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TE WĀNANGA ARONUI
O TĀMAKI MAKAU RAU

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DESIGN & CREATIVE TECHNOLOGIES
RESEARCH REVIEW 2015



FROM THE DEAN

It is my pleasure to bring you this fourth issue of the magazine *τεχνη & λογός* profiling the research of the Faculty of Design and Creative Technologies during the year 2015. While the Faculty houses the Schools of Art & Design, and Communication Studies, this year has seen the merging within the faculty of the schools of Engineering, Computer and Mathematical Sciences, to create a more visible presence in the Engineering and Technology areas. Complementing this range of disciplines, *Colab* as a combined research and teaching unit in Creative Technologies has a central role in both tying together and transcending the disciplinary threads of this diversity in the faculty.

The Faculty exists to take advantage of this very diversity, aiming to generate a distinctive fusion of creative disciplines through research, teaching and practice. Thereby our goal is to make a global and local impact on the communities and professions which we serve. In this edition we profile the researchers and their work originating within their differing disciplinary contexts and spreading wider through community and industrial connections.

The Faculty's disciplines of design, science, technology, communication and the arts are exercised in the research projects and profiles presented here. The types of research we engage in are varied too. There is research of a highly theoretical nature undertaken by our scholars, and we make no apologies for that, as that higher order thinking can

advance our society in the social, cultural and economic spheres. From a learning perspective, that form of thinking can serve to challenge our students to a greater critical awareness of the world in which they live. The Pacific Media Centre's 'bearing witness' project presents a notable example of the 'research-teaching-practice nexus' approach to research in the Faculty. Often highly grounded and situated, in many cases the work is conducted with partners and in practice contexts. For instance in Professor David Robie's work with students engaged in 'journalism as research', on the 30 year anniversary of the sinking of the Rainbow Warrior.

In this edition we introduce a set of research and academic leaders, who joined the Faculty in 2015, through their personal 'reflections', where they outline their visions for their disciplines and their schools. In this, my last contribution to this report as Dean of the Faculty, I am encouraged by their enthusiasm, keen sense of vision and desire to lead the Faculty in new directions, while building on the strong base already in place. I hope you enjoy reading the magazine, and come away nourished, enlightened, informed and inspired by the magnificent work of the Faculty's scholars. Ka Kite Ano.

Desna Jury

Dean, Faculty of Design and Creative Technologies
Auckland University of Technology

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Editorial commentary

The voluminous lists of publications included in this Review have been drawn from the University's research repository. They appear as the reporting system has generated them based on the original data entered by the researchers, without further editing.

Design and Production



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STAFF AWARDS AND DISTINCTIONS GAINED IN 2015

Associate Professor Charles Walker

Appointed as *Creative Director* of the New Zealand Exhibition at the 2016 Venice Biennale.

Christina Milligan

Producer of "The Price of Peace" which won *Best Documentary* at the ImagineNative 2015 Film Festival in Toronto. Directed by Kim Webby.

Professor David Robie

Presented with the 2015 *AMIC Asian Communication Award* at the Asian Media Information and Communication Centre's Gala Dinner in Dubai for his "unstinting contribution as a journalist, educator and human rights and environmental champion in the region".

Jim Marbrook

Won the *Vice Chancellor's Award for Research Excellence* in the category "Emerging Researcher".

Justin Matthews

Producer of the comedy/drama web series "High Road" which received awards for *Best Production (Oceania)* and *Best Directing (International)* at the Webfest Montreal Festival.

Professor Nikola Kasabov

Won the *University 2015 Medal* for sustained and outstanding contribution to the academic success of AUT.

Dr Stephen Reay and the DHW team

Won several awards at the New Zealand's Best Design Awards 2015:

- *Supreme Award "The Purple Pin"* and *Gold Award* in the category New Zealand's Best Public Good Design for Designing better healthcare experiences;
- *Silver Award* in the category New Zealand's Best Spatial Design (Offices and Workplace Environments).

Professor Stephen Henry

Won *Supreme Innovator of the Year Award* for Potential Cancer Treatment at the 2015 New Zealand Innovators Awards.

Professor Sergei Gulyaev

Elected a *Councillor of the Royal Astronomical Society of NZ*.

REFLECTIONS





Members of the Software Engineering Global interAction research Lab (SEGAL)

ON BECOMING A RESEARCHER

Contributed by Adjunct Professor Daniela Damian

My three months at AUT in 2015/2016 were fruitful in interacting with graduate students, learning and connecting with new projects, and identifying new opportunities for collaboration within AUT and beyond. On a sabbatical leave from my University of Victoria (UVic) in Canada, where I lead the SEGAL research lab (thesevalgroupp.org), this was my second working visit in SERL (AUT's Software Engineering Research Laboratory) in the last four years. I thus have the opportunity to reflect upon the benefits of traveling and interacting with students and researchers at other universities abroad, and what we, as *enablers of research*, can do to help our students *become* researchers.

A growth mindset

A researcher's life is one of inquiry, continuous dissatisfaction with one's findings, always in pursuit of greater insights. But how does one become a researcher? Is 'researching' a skill we can truly teach or is the best we can do merely enable opportunities for one to grow into it?

It takes a village

Research is largely based on individual, lonely effort. However, growing into a researcher rarely is. We become researchers by learning from others, with others. As a graduate student, I recall the long discussions with my lab mates about their research designs, the first conference where I presented and received some harsh feedback (but that proved useful later on), and the many meetings with my supervisory committee, members of which became my mentors through my graduate student life and beyond. I have become the researcher I am because of the people I worked with, that challenged me and helped me *grow* along the way!

The students in SERL work in an environment that helps them grow. The lab itself is a vibrant, collegial and productive place of work. Doctoral students come to work on their projects daily, though often having to interleave their SERL time with teaching duties. During my research visits, they benefited from my input, in various ways. With some students I worked on the details of their research design and interpretation of research results; with others, on writing research papers, or simply provided feedback on their progress, or advice on their research life. Together with Associate Professor Tony Clear we organized a one-day, hands-on workshop on Writing and Reviewing Research Papers in Software Engineering in March 2016, where students critically reviewed research papers, and obtained feedback on their own research writing (we organized a similar workshop at the University of Victoria in 2015 during Tony Clear's visit to the SEGAL lab).

Similarly, SERL students are able to present and get feedback on their research at national and international workshops and conferences, thanks to AUT's policy to provide travel funds for published work. During our ongoing research collaboration, they can also do longer research visits at the University of Victoria to interact with the students in my research lab. These are all invaluable opportunities for them to grow as researchers.

International exchange is critical

New Zealand's location makes it less ideal for travel, but I posit that exposing AUT students to the international world is very important. Not enough can be said about complementing a graduate student's in-depth literature review and meticulous lab research skills with interactions across (international) research labs and cultures. Travel to conferences, research visits to other universities, or simply working with international researchers is crucial for broadening one's view of research results, perspectives of what research means, of ways to present and argue about research.

In this respect, AUT's funding of researchers' (students included) travel to present their research papers at international events is a unique, important opportunity I have not seen at North American universities (where travel is provided by the project PI's own research funding). It exposes them to external, realistic feedback from a larger community where their research will have to withstand criticism during their long-winded future research journey.

Focus on research

Reflecting upon differences between research cultures across universities has been the great opportunity and benefit of my own international exchange during research visits such as these at AUT. It has allowed me to realize how fortunate the AUT students are to have this focus on a research growth mindset and international exchange. One difference from my own university, however, is how often the doctoral students have to share their research time with teaching, to make ends meet. While teaching is an important element in the making of an educator, a better balance should be achieved during these formative years of our researchers. A focus on research would not only allow them to complete their programmes in a timely manner, but also give them the background for research-informed teaching that will further contribute to AUT's standing as a teaching and research institution.

I wish the SERL students all the best in their research endeavours, and thank Associate Professor Tony Clear, Professor Steve MacDonell and the other SERL members for another great research visit.



Professor Geoffrey Craig

EXCITING FUTURE FOR COMMUNICATION STUDIES

Contributed by Professor Geoffrey Craig, Head of Research, School of Communication Studies

One of the reasons why I was attracted to the School of Communication Studies at AUT was a belief in its potential to develop a strong research culture. The School has historically attracted many undergraduate students to its excellent majors in areas of media production and communication studies that have in turn provided career pathways for those students. While the School continues to do this, there is also a sense that the School is evolving with a growing rank of senior, established researchers and some exciting young researchers.

In the short time since I joined the School as Head of Research in September 2015 we have already had a number of staff members complete their PhDs. I have also been greatly encouraged by the enthusiasm I have encountered from a wide range of colleagues about embarking on, and further establishing, research projects. For those colleagues who have not previously seen research as a priority, I have tried to highlight the expertise they already have, an expertise that can be manifested across a range of research outputs, including practice-based work.

We need to build on our strengths and Communication Studies is a discipline that has always benefited from a dynamic interaction between communication theory and media practice. There is a structural diversity across Communication Studies schools in New Zealand but we are very well placed for the future given our burgeoning research environment, our proven record in quality teaching, our broad range of major offerings, our excellent facilities, and our location in Auckland.

The most important task we have is to cultivate an intellectual environment where researchers are engaged in critical and creative research that advances knowledge, serves and challenges the community, and develops future communication experts and skilled media practitioners.

My two areas of research are political communication and environmental communication. I conduct my research because I believe the media are crucial for the democratic health of our society and because they are vital agents in helping us understand and communicate the urgent problems of climate change and the need to build more sustainable communities. I am well aware that numbers, money and rankings need to be considered but they will not follow if the research culture does not flourish.

There is a lot of work to do. Few people look forward to PBRF but we are preparing well for the audit, holding school-wide and group seminars with great help from Doug MacLeod, Sharon Mazer, Anne French and Emma McFadgen. Staff members are busily working away at developing their Research Elements profiles and preparing their Evidence Portfolios. We are keen to see our postgraduate numbers increase and external research income is something we need to address. I would also like to see our School connect more with other Schools in the Faculty and across the University.

I believe our School is in a fortunate position at AUT as we continue growing our research culture. We have excellent support from our Dean, Desna Jury, and all the team in the Faculty office. There is good financial backing for the School's research activities. The WG building is a beautiful, modern space. I have studied and taught at a range of very different universities across Australia, the United States, the United Kingdom, and here in New Zealand, and I must say that I am enjoying working at a young, dynamic institution where there is a palpable sense of an exciting future.



What makes the Design for Health and Wellbeing Lab a unique initiative is its emphasis on human-centered design, which is about designing with hospital users

ART + DESIGN + RESEARCH + CULTURE

Contributed by Professor Thomas Mical, Head of School of Art and Design

The multiplicity of research and creative works emerging from the AUT School of Art and Design necessarily resists singular descriptions. The initiatives are across scales, from objects to urban spaces, collaborative and individual, directed or exploratory. In the School of Art and Design, this multiplicity is an extension of the importance of diversity, and the roles that critical difference can make in the analysis and future projection of our concepts into the world. In some ways, we can say metaphorically that this is a school that operates as a machine for producing materialized narratives – insights legible in and through design projects and artistic production.

There is a shared value in the role of process thinking, as process is central in art and design. Some of this can be articulated with precision, but some of the art and design work may appear mysterious. The determination of excellence can be quite difficult the further removed you are from the established mode of practice, and hence peer-review has been the operative mechanism for determining quality in a majority of our disciplines. The uncertainty around innovative, experimental, and especially inter-disciplinary work is, at one level, a problem for neat categories, and significantly, the source of much of our research and creative work. This “messy” or “noisy” approach has its home in the studio culture at the centre of our Art and Design pedagogies – and in the expanded fields of our pedagogical spaces.

As I joined the School of Art and Design as the Head of School in late 2015, the diversity of research accomplishments and research initiatives in 2015 were an important part of my learning curve (as was learning the differences of the REF, ERA, and PBRF). In the research strategy of the school, there were many emerging collaborations and initiatives directed towards the future. It is important to acknowledge the role of research clusters, indeed to prioritize them, as effective drivers of increasing research culture.

This move towards a cluster approach is but a codeword for collaborative, cooperative, and combinatory arrangements – as intellectually and economically sustainable models. And these have figured in earlier School Research Strategy reports as a top ambition for the School, and its future. The idea of the research clusters is simple – find and attune a diversity of voices and approaches, internal and external, towards parallel or diverse outcomes, growing the ambition and inertia (and mentoring) through shared spaces and shared processes. It is very important for the emergence of future research projects and overall research culture that we adopt a more porous and polyvocal activation of the research and creative work / space (as silos can become dead ends). To counter the pressures towards isolation and austerity, we are proposing to growing collectives, advocating for new knowledge ecologies, and demonstrating experimental processes for increasing the range, diversity, and impact of our efforts.

The School of Art and Design has always wisely centred studio culture as the locus of our identity. The studio culture forms and informs our disciplines, and we inform our disciplines as designer-researchers. In the same manner, we can adopt the collaborative and critical ethos of the design studio culture to drive the expression of our growing research culture. In such cleared spaces for exchanging critical insights and sanctioned experimentation, our range of diversified insights and experiences are articulated so as to focus and deepen the studio explorations, certainly as a pedagogy, but also as a culture. Our design and art research and creative works are in a tight reciprocal relation to such cultures. It is this shared understanding of our place in the world that leads to our continued exploration, sense-making, and enhancement of the local, national, and international spheres of our meaningful influence.

ART AND DESIGN

TIMES OF DESIRE, ANXIETY AND GLOBAL POSITIONING IN THE AIRPORT TRANSIT SPACE

Contributed by Dr Ron Left, Associate Dean (South Campus)

In the transit spaces of air travel, the private life of the traveller and the worlds of desire and anticipation collide with the scrutinised, processed and codified. There is a simultaneous loss of a sense of personal time, and a hyper-realisation of time. Waiting and boredom slow the pace of time. The traveller is robbed of time, yet bound by codes of timing, control, and the globalisation of time. In the transit space we are tethered to time, our personal time is replaced with regulated and global time, and we move and act within tightly controlled parameters. Space itself seems colonised by time.

Ron Left's recently completed doctoral project zeroed in on the transit space of air travel to find images and processes that exaggerate temporal experience. In this strange yet disconcertingly banal space, time is privileged over place. The transit zone is emptied of history and memory, and the traveller is caught in a temporal anxiety of waiting, of being on time, delayed, cancelled, and being processed. From the broad temporal experience of travel and transit, the research project focused in on moments and events that appear to make visible the invisibility of time, transition and becoming. The discontinuous moment of transit and the disruption of narrative provided a wealth of temporal moments, associations, and states that were the material for a practice-based doctoral project.

Ron's thesis was a sort of treatise on time in two parts. It culminated in a single painting over 15 metres in length exploring ideas and images related to transition and transmission from one state to another. This was accompanied by an exegesis¹ exploring philosophical ideas on the nature of time, movement and change. The two parts of the thesis interacted throughout the project and in the final work. Research and theory did not merely inform the visual arts practice, nor did the art work illustrate theoretic ideas. Rather in this project there were mutually influencing and informing processes between researching and writing, drawing and making, and interpreting.

Central to the philosophical enquiry in the project was the work of Gilles Deleuze, notably his ontological theories. Deleuze's idea of two parallel and real realms of actual and virtual states that interact and determine each other was central to the project. For Deleuze actual and virtual aspects of reality interfere with each other to create change and transmission. The art work for the project sought to enter into moments and events where transmission and change become paramount. In the airport arrivals and destinations boards for example language, place, time zones and travel status are constantly reinvented. Words become new words, language stutters and morphs, and we witness transmission itself.

In the strange, isolated, yet disturbingly familiar world of transit we move almost as figures in a diagram or board game. In the structural abstraction of this transitory space there are isolated moments, states and events that by their function are diagrammatic, obscure and coded. The transit space is a potent space/event for the exploration of time; as movement, as the interaction of the actual and virtual, of past, present and future as a single process, and the simultaneous obsession with, and loss of, identity.

The art work for this research project enters into sites where space is increasingly mechanised. Here, objects and travellers passing through a between-space are rendered inert and often stationary. On the carousel our personal belongings surrender to continuously revolving motion. The numbed traveller is transported on the escalator into and out of spaces, up and down between layers of space. The transit space is dedicated to processing and movement. It is dominated by new forms of movement, and an inversion of our normal experience of moving in space. Here we are still and the space itself (the escalator, carousel and traveller) moves.

This study was concerned not solely with the phenomenon and social impact of the mechanisation of space, but proposes that this inversion of the relation between objects, space and movement allows radical shifts in thinking related to space and time. Avoiding a focus on social control through an analytical study, the project instead considered the aesthetic possibilities of the transit space by entering into the dynamics of transition and moving space. The aporia of the coexistence of phenomenological and cosmic time, of the simultaneous workings of the singularity and multiplicity of time, of the evasiveness and invisibility of time, remain issues. These problematics, however, become fuel to the processes of creative practice. In 1969, Gaston Bachelard challenged many of the mechanical and scientific notions of the nature of space in a study titled *The Poetics of Space*². This doctoral project proposed a poetics of time.

¹ Accessible in *Scholarly commons* <http://aut.researchgateway.ac.nz/browse?value=Left%2C+Ronald+Joseph&type=author>

² First published in 1958 under the title *La Poétique de l'espace* by Presses Universitaires de France.



Ron Left's thesis *Painting and Time: The dynamic of the actual and the virtual*



Ron Left's doctoral painting exhibition *Painting and Time: The dynamic of the actual and the virtual*



Models, Methods and Assumptions
Te Uru Waitakere Contemporary Gallery, 2015



The Brain
Te Uru Waitakere Contemporary Gallery (photo by Sam Harnett)



Survey with incomplete models
Exhibited at ZK/U Berlin

PROVISIONAL ARRANGEMENTS

Contributed by Associate Professor Paul Cullen

Associate Professor Paul Cullen is an artist working across the disciplines of drawing, sculpture and installation. Deploying constructional methods and found objects, his research projects are an investigation of models, process, and the provisional, manifested as sculptural space and materiality. Models in sculpture and in architecture have represented an intermediate stage in the process towards a completed sculpture or building and in that respect are inherently provisional, a means towards an end.

Paul's 2015 projects reflect the breadth and depth of this investigation: *The Orange Theory* included in a travelling international exhibition, a sculptural installation during a two month residency at Zentrum für Kunst und Urbanistik (ZK/U) Berlin, a sculptural structure of scaffolding and plastic for *The Brain* exhibition at Te Uru Contemporary Gallery, a window project at Te Uru and an outdoor commission for Brick Bay Sculpture.

The Orange Theory was commissioned by Spanish curator Nilo Casares for his travelling exhibition "Valija diplomática low cost", an exhibition premised on diplomatic travel and facilitated through Spanish embassies world-wide. Sixteen international artists were invited to participate in the exhibition in which a valise was the element of continuity; each artist was asked to make an artwork using a suitcase which could be easily shipped from venue to venue. Paul's

project, *The Orange Theory* explored the duality of the model as a sign of something and as an autonomous sculptural thing in its own right. Built into an aluminium suitcase, *The Orange Theory* is a makeshift construction comprising an electric motor, a blue masking tape covered sphere and an orange sponge individually turned via a system of lego cogs. Paul's choice of suitcase was motivated by a desire to locate the project in a technological context by using the kind of case in which scientific and technological equipment is stored while making reference to the form of the orrery in the structure of the sculpture. A peripatetic makeshift quasi-technologic object. Over a two year period the exhibition will travel to galleries in: Madrid, Santiago, New York, Rome, Paris, Montevideo, São Paulo, Melbourne, Wellington and Munich.

Survey with incomplete models was an installation developed during a two month residency at ZK/U, Moabit, an inner city district of Berlin. Moabit is an artificial island with borders defined by three watercourses, the Spree River, the Westhafen Canal and the Berlin-Spandau Navigation Canal. Paul's project proposed an interpretation of the urban structure of Moabit using Deleuze and Guattari's concept of smooth and striated space, the nomadic and sedentary, to reinterpret space of the network of transport infrastructure (rail, cycleways, waterways and roads) and the architectural fabric of residential, commercial and industrial buildings. The installation comprised a sequence of spaces configured with 'models'



Models, Methods and Assumptions
Te Uru Waitakere Contemporary Gallery, 2015



The Orange Theory
Included in *Valija diplomática low cost*, international touring exhibition



Monument (provisional arrangements)
Brick Bay Sculpture

constructed from builders rules, chairs and an inverted table. Again the duality of the model as a sign and as a sculptural object was explored proposing and simultaneously withdrawing the possibilities of mensuration and function.

For *The Brain* exhibition at Te Uru Contemporary Gallery Paul was commissioned by curator Christina Read to produce a sculptural structure, which would work conceptually and pragmatically with her curatorial premise. From a curatorial perspective *The Brain* was intended to operate as an idiosyncratic spatial and conceptual diagram of a brain, using video and a sculptural support structure to map questions both academic and amateur. Paul's solution to this request was a scaffold type structure hung with plastic sheeting, which acted to break the gallery up into a sequence of permeable spaces in which sixteen video works were located. The videos explored themes including: landscapes of perception and cognition, tangible thoughts, altered states, phantom limbs, TV brains, dream archives, memory files, language and the mind-body connection. Conceptually the scaffold structure acted as a spatial diagram of the architecture of the brain, glimmers of diffuse light and sound were experienced as one moved through the structure proposing the electrical nature of our brains and the glimpsing and recollection of memories and experiences. Scaffolding is our everyday reminder of the provisional, an essential part of large scale building projects but a component that becomes redundant once building is complete.

Over the past decade Paul has made small sculptural works using books, modified in response to characteristics such as form, colour, title and dimensions. He was invited by Te Uru curator Ioana Gordon-Smith to make an installation of new

works for the window exhibition space. His response, *Models, methods and assumptions*, used El Lissitzky's concept of the Prounenraum as its structure; for El Lissitzky this involved an exploration of the visual language of suprematism in a spatial context, a small room in which ideas begun in two dimensions were rendered in three dimensions. Prounenraum were one of the precursors of installation practice and important in locating space as a material for sculptural practice. For *Models, methods and assumptions* eight modified books were located on the ceiling, floor, and walls of the shallow window exhibition space. Each book had a scientific title, *Soils of the World*, *Avian Anatomy*, *Practical Course in Mineralogy and Petrography* and through the process of modification each had been made over into a sculptural thing, the knowledge referred to in the title of each book hermetically sealed or 'withdrawn' from access.

Monument (provisional arrangements) commissioned by Brick Bay Sculpture as a permanent outdoor work, presented an interesting challenge in requiring permanence while being conceptually focused on process and the provisional. The solution was an aluminium outdoor chair with a piece of basalt rock cast in blue pigmented concrete propped in place on the seat as if arrested in the process of installation. Historically the monument in sculpture has emphasised permanence and has been made from enduring materials like stone or bronze. Paul's project ironically substitutes an aluminium chair for the plinth or sculptural base and a cast of a rock (potential material for carving) in the place of a completed form. The rock is supported in place by two warning-yellow painted steel props, signifiers of provisionality, warning work in progress!



TAKING DESIGN TO THE NEXT LEVEL

Contributed by Dr Gjoko Muratovski

Design has never been more important than it is today; it influences how we live, what we wear, how we communicate, what we buy, and how we behave. Yet, in practice, designers rarely participate in the planning of the strategies that determine what kind of design solutions should be developed, for whom, or why. Instead, most designers tend to focus on delivering creative outcomes without necessarily questioning whether the proposed outcomes are also the right solutions.

The creative process of design, which is based on tacit knowledge, intuition, assumptions and personal preferences, is often seen as a standard way of working in the field. However, as the world is becoming an increasingly complex place, the process of design needs to become more rigorous and more strategic. Given the influence that design has on our everyday lives, designers are now required to demonstrate a greater sense of accountability and transparency in their work. In his recent book *Research for Designers: A Guide to Methods and Practices* (2015) Gjoko Muratovski shows in great detail how this can be achieved.

Published by the leading academic publisher SAGE Publications, in London, Los Angeles, Washington DC, Singapore and New Delhi, the book has received stellar reviews by notable academic researchers in the field, award-winning designers and leading business executives interested in design-led innovation. The former Vice President for Advanced Technologies at Apple, Donald Norman, who is now Professor and Director of Design at the University of California San Diego, wrote the following review for the book:

“Today, designers design services, processes, and organizations: craft skills no longer suffice. We need to discover, define, and solve problems based upon evidence. We need to demonstrate the validity of our claims. We need Design Research, but as special kind of research, with methods appropriate to the applied, constructive nature of design. We need a book on research for designers that can educate students and be a reference for professionals. And here it is: Gjoko Muratovski’s masterful book for 21st century designers.”

The Vice President for Innovation and Entrepreneurship at The Coca-Cola Company, David Butler, has provided the following endorsement:

“Inspiring and engaging. Gjoko Muratovski gives us a visionary preview on the future of design. He argues that design is transforming from “problem-solving” to “problem-finding”—something every company—from startups to multinationals—needs in today’s hyper-connected and fast-changing world. Muratovski provides the context and more importantly, the implications of the rise of design as a powerful competitive advantage. If you want to know more about the role of design in the past, present and where design is headed, start here. If you’ve ever wanted to become a “design-driven” company, read this book.”

Within a matter of few months after the publication, over 160 universities from around the world requested copies of the book for their courses, including leading academic institutions such as the Royal College of Art, Glasgow School of Art, University of Arts London, and the London School of Economics. The Parsons New School of Design in New York have launched a design research course based on the book. At AUT, the book is already a required reading for selected groups of undergraduate students and for the newly developed postgraduate design programme at the School of Art & Design.

In 2015, Dr Gjoko Muratovski was appointed as a Guest Associate Professor at the College of Design at Tongji University – one of the oldest and most prestigious universities in China.

The same year he was named a Fellow of the Designers Institute of New Zealand for his distinguished service to the New Zealand’s design community and the Institute. In addition to this, as an expert in the field, he was invited to contribute to the new Bloomsbury Encyclopedia of Design (2015), where he authored the definitions of ‘Design Strategy’ and ‘Strategic Design’. Over the last five years, Dr Muratovski has published five books and numerous other publications. His latest book, *Consumer Culture: Selected Essays* will be published in March 2016 by Intellect Books (UK) and the University of Chicago Press (USA).

Dr Gjoko Muratovski is a Senior Manager at the School of Art & Design, Founding Head of the Communication Design Department and Director of AUT’s DESIS Lab.



Stephen Reay and the DHW team won a few awards at the New Zealand's Best Design Awards 2015: Supreme Award "The Purple Pin" and Gold Award in the category New Zealand's Best Public Good Design for Designing better healthcare experiences

DESIGNING BETTER HEALTHCARE EXPERIENCES

Contributed by Dr Stephen Reay

Dr Steve Reay is currently focused on developing a collaborative interdisciplinary network of research in the area of design for health and wellbeing with a group of researchers from across AUT. A Design for Health and Wellbeing Network was established and centred around the innovative Design for Health & Wellbeing (DHW) Lab of which Dr Reay is a Co-Director. This network clusters a truly inter-disciplinary team of early and mid-career researchers at AUT around design-centred consultancy with Auckland's District Health Board (DHB) and other external partners and stakeholders. The DHW Lab (www.dhwlab.com) – the heart of this collaborative 'ecosystem' of design-led research – is located at Auckland City Hospital, among the real-world end-users of the projects: patients, families and staff.

The road to patients' recovery is compromised by situations, interactions, or procedures in an environment that does not support the wellbeing and rights of individuals resulting in patient vulnerability and loss of dignity. Health services need to provide environments and products that are both therapeutic and restorative. When people are unwell they are particularly vulnerable due to the constraints of their own capabilities. The addition of invasive healthcare treatments, shared space and the uncertainty of health outcomes, can easily cause patients to feel at risk of violation. Within this new programme of research we contribute creative and responsive design-led solutions – providing real world opportunities to advance both applied and theoretical research into how design can be integrated within health environments.

Fundamental to this approach is user-centred and codesign in which patients, families, and medical staff are part of the interdisciplinary-collaborative design process so that the value of the design reflects real needs rather than assumed needs.

The research undertaken by the network has enabled novel research activities and collaborations that are positively impacting on healthcare experiences. This has demonstrated significant potential for bringing design into interdisciplinary teams to transform both research and health delivery. It has also illuminated complexities and challenges of design-led research in hospital and healthcare environments.

Our focus on consolidated research collaborations in 2016 and beyond will ensure we are not only building a new area of research for AUT, but a new way of approaching research and teaching with significant social impact, that showcases the university for the changing world.

Recent DHW Lab achievements have included two awards at the Best NZ Design awards – Silver in the Spatial Design category and a *Purple Pin* for the Public Good Award which recognises and celebrates work that has been undertaken for the welfare of communities and for public interest.

The Purple Pin is the highest award given for work that raises the bar of New Zealand design. Examples of our research include the following projects in collaboration with Auckland DHB:



The Purple Pin Award

Healing Environments

Hospital environments often fail to appreciate the emotional and practical needs of families when supporting, or waiting for news of acutely unwell whānau. Protecting privacy, dignity and the complex cognitive, emotional, social and practical needs of families are seldom considered in hospital designs, processes, or in academic literature, despite the long-term profound impact that such events have. The experience of waiting for news of someone fighting for their life has been described as isolating, distressing, guilt-ridden and “living in a time bomb”. Our ADHB partners have recognised the importance of both the environment and of the experience of families confronting extreme trauma events. Environment affects emotions; positive emotions support helping behaviour and healing of families. This could also impact on the experiences of health professionals who work in this area and interact with the families who use this space. Our ongoing research platform explores how design can improve health care experiences with patients, families and staff, and involves many staff- and student-led research projects.

Wayfinding

We are supporting a large piece of wayfinding work in the Auckland Hospital’s wards and decisions made within this space affect the execution of the wayfinding system throughout the whole campus, moving into public corridors, lifts, entryways and so forth. Transitioning from prototyping wayfinding undertaken by Master of Art & Design student Eden Short into standardising designs, the exploratory approach and values from the research are being finessed and incorporated into practical outputs. Staying focused on readability, holistic decision-making, and transparency in the process means wayfinding continues to move forward in the Auckland Hospital and consistency can be more effectively maintained.

The Little Ones

“The Little Ones” was a practice-lead PG research project by Antion Wan, which explored the bathing experience of neonatal infants in the Neonatal Intensive Care Unit at Auckland City Hospital. The aim was to design a revised bathing solution that addresses the clinical, systemic and pragmatic issues identified by staff. However, through the research engaging with staff and understanding the NICU environment, the project progressed towards more emotionally sensitive design. This produced a product that is emotionally empathetic of the NICU experience through its intuitive design, improved ergonomics and emotionally resonant aesthetic.



Two distinct shades of blue are used in the wayfinding system to help indicate this zoning



Antion Wan is a postgraduate student who has worked on a baby bath design with the Neonatal ICU staff

COLAB



Anna Jackson on her graduation day at the University of Melbourne

CATALYTIC COLLABORATION

Contributed by Dr Anna Jackson

An invitation to speak at a Colab/Film Auckland event, 'Envisage 5' in 2011 turned out to be a catalyst for Anna Jackson. Anna had recently returned from Melbourne, where she spent the first year of her doctoral studies researching the emergence of online, multiplatform and interactive documentary and where she was introduced to the exciting possibilities of transmedia storytelling. Compared with Australia, New Zealand's media production ecology seemed slow to adapt and innovate, and television documentary was failing to thrive in an intensely commercial broadcasting environment. Anna was encouraged by the strong turnout for the Envisage event however, and took the opportunity to circulate a sign-up list for a meet-up group, which grew into 'Transmedia NZ' under the direction of Anna and co-director Fiona Milburn. From 2011 to 2015, Transmedia NZ provided online Transmedia resources, ran workshops and events in partnership with industry organisations, blogged for creative community The Big Idea and continued to run meet-ups at Colab, where everything began.

While transmedia has played a huge role in Anna's professional life and continues to be a major focus for her teaching and research, her primary passion is the expanded possibilities that digital interactive and immersive media offer the field of documentary. Anna's PhD thesis 'Innovation and Change in Aotearoa New Zealand's Documentary Production Ecology 2010-2013' examines the challenges and opportunities for screen-based documentary during a period in which a range of economic, political and technological factors effected some significant changes in media production, distribution/circulation and use, both locally and on an international scale.

Anna's research focus on documentary innovation led to an important collaboration with documentary producer Julia Parnell. After an introduction by Anna's PhD supervisor, Professor Annie Goldson, Anna and Julia found they shared a common concern for the future of New Zealand documentary in a climate in which there were few opportunities for television documentaries to be produced. Both women wanted to see more creative, innovative and diverse documentaries made in New Zealand, and could see the potential of online distribution. After several years of development and persistent effort, NZ On Air and the New Zealand Film Commission provided funding for their three-minute documentary initiative, Loading Docs that produces short (3-minute) documentaries. Ten films launched under the Loading Docs banner in 2014, online and on the NZ Herald website. The short documentaries were highly acclaimed by local and international audiences, and in 2015 a second round of films were released, screening on Vimeo, TVNZ On Demand, at the New Zealand International Film Festival, on Air New Zealand international flights and many high profile websites.

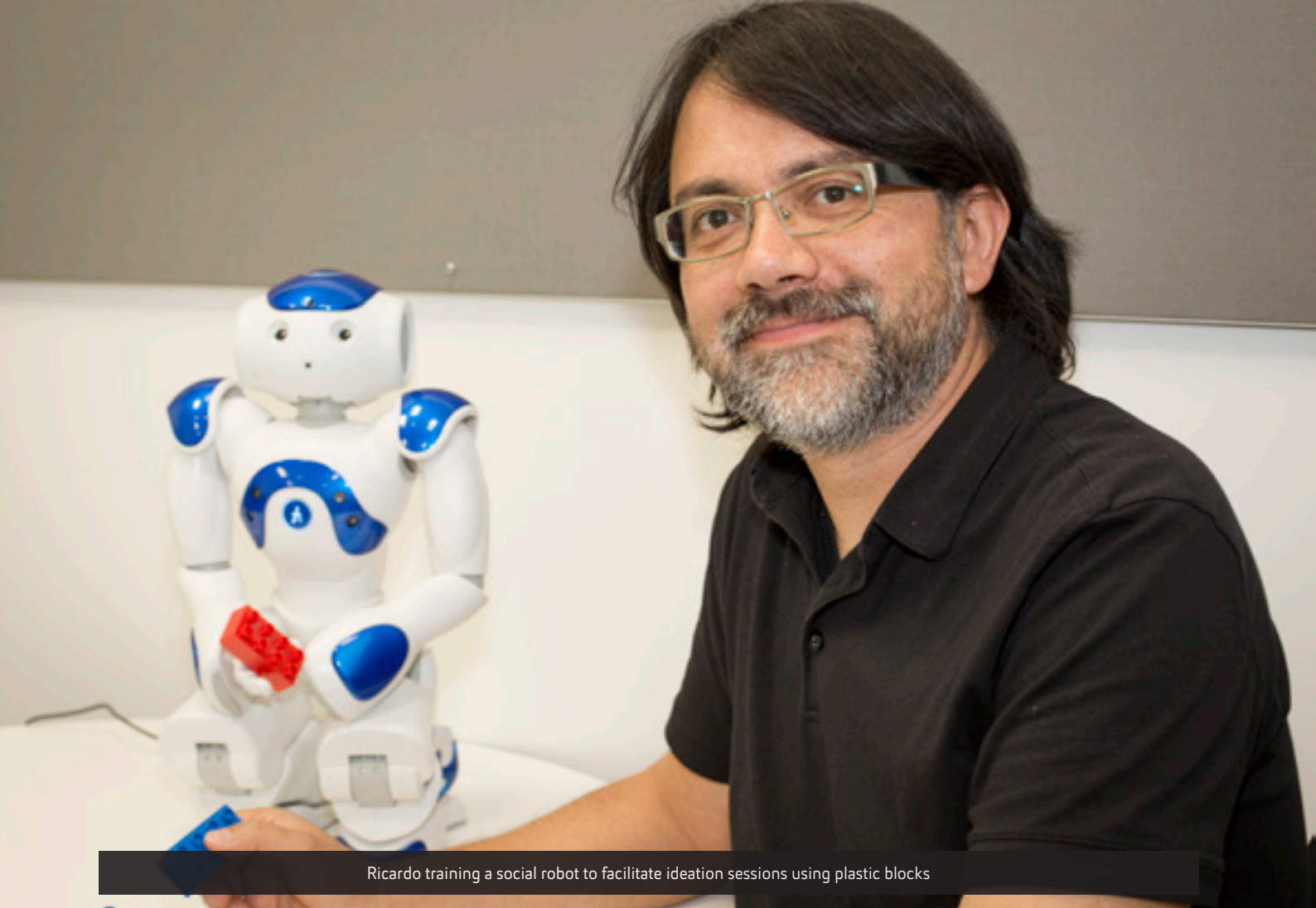
Loading Docs continues to grow as a platform for local documentary filmmakers and as a development initiative, with another batch of ten documentaries due to launch mid 2016.

After many years of hard work, one of the great highlights of 2015 for Anna was attending her graduation ceremony in Melbourne. Anna's joint PhD (University of Auckland and University of Melbourne) was supported by an Australian Postgraduate Award scholarship, and her time in Australia played a key role in shaping the direction of her research and the development of the creative and professional dimensions of her career.

Anna joined Colab as a lecturer and researcher in February 2015. A focus on transdisciplinary research, industry engagement and collaboration makes Colab the perfect place for a researcher like Anna who wears many creative and academic hats. In addition to her ongoing role in Loading Docs, in 2015 Anna was also involved in a few other projects: Digital Art Live's interactive memorial *Still*; the AUT, Colab, University of Auckland and Auckland Live interactive installation *Beambox: Interactive Playground*; and in a global collaborative storytelling project, *Sherlock Holmes and the Internet of Things*.

Anna is an advisor to The Arts Foundation's crowd funding platform, Boosted, and a member of Unitec's ePress advisory committee. Her varied interests are also reflected in the range of public engagements she undertook in 2015, such as speaking at Webfest, the Screen Edge Forum, The Women's Collective, the NZ Women in Leadership @ AUT Summit, running workshops at Arts Alliance and (in partnership with Curative) Leadership NZ's 'Dinner with a Difference'.

Anna's current research springs from a collaboration with AUT's 2015 Journalist in Residence, Julie Starr. *Newsable* is a public media initiative that explores the use of open data, digital journalism and transmedia storytelling as a way to deepen public engagement with complex social issues. Anna presented *Newsable* at the biennial iDocs symposium in Bristol in March 2016 and will run a pilot studio-based 'Newsable Lab' with Colab's Bachelor of Creative Technologies students in Semester 2 of 2016.



Ricardo training a social robot to facilitate ideation sessions using plastic blocks

CREATIVE ROBOTS

Contributed by Dr Ricardo Sosa

Robots have captured our imagination for a long time, as illustrated by a stream of stories and movies featuring a variety of automata – from docile butlers to evil murderers. In real life, it is challenging to design and program a robot, especially in everyday situations that are not under our control or that change constantly, and where robots are meant to interact with us, unpredictable humans. But based on recent cross-disciplinary research developments, creative robots are becoming feasible. By *Creative Robots* we refer to three types of autonomous machines, or *agents*: those creatively designed to help tackle real problems (the proverbial “killer apps”), those which augment our creative and design capabilities as intelligent collaborators, and those that exhibit creative behaviour.

Ricardo is a product designer and design researcher who collaborates with experts from several disciplines, including social robotics – the field dealing with robot technology for everyday applications. He learned computer programming at age eleven and spent his early years tinkering with a variety of materials, including computer code. As a teenager, he designed and built a buggy car and a house, before enrolling in the Product Design course at UAM in Mexico City.

Always interested in the creative possibilities of digital technologies, Ricardo embarked upon multimedia and interaction design in an era when content was distributed via CD-ROMs and the Internet consisted of just a handful of websites.

After a five-year journey to get his PhD from University of Sydney, in the area of Design Computing, he helped to set up a series of new programmes combining technology and creativity in Universities in Australia, Mexico, Ecuador, Panama, and, more recently, in Singapore.

During those years, Ricardo specialised in creative collaborations across disciplines and cultures. From diagnosing melanoma using mobile devices to facilitating creative thinking with “ultra-poor” communities in remote areas of South East Asia, he has been shaped by these experiences to firmly believe that the most complex socio-technical challenges demand creative collaborations across conventional demarcations. Building on this background and on a decade of modelling agent-based simulations, Ricardo secured in 2012 a competitive grant from the MIT-SUTD International Design Centre for over half a million dollars in partnership with roboticist Dr Rajesh E. Mohan.

They developed two lines of research that yielded a string of publications in the intersection of product design and social robotics, contributing with evidence and insights to the design of creative robots.

The first research area in their collaboration covers *Reconfigurable Robots and Products*, integrating creative design and engineering principles to advance the development of innovative multi-functional products, as well as future robots that can self-reconfigure to rapidly adapt to changing conditions. Reconfigurability strategies include *intra* (internal changes in single shape-shifting agents), and *inter* (coupled changes across a collection of agents that coordinate to work as subcomponents of a larger system), which they also used to formulate guidelines for the design of transformable products. Their first working prototype of a reconfigurable Theo Jansen Leg was developed with Dr Nicolas Rojas and Shunsuke Nansai, and was showcased in specialised conferences and journals in 2014 and 2015.

The second area of research originates from having identified a gap in the design of social robots and the design of the everyday spaces that they share with humans. Conventional wisdom in robotics is to increase the autonomous capabilities of robots to help them negotiate the wildly diverse and continuously changing conditions of everyday spaces, such as homes, offices, hospitals, and schools. On the other hand, architects and product designers tend to shape these everyday environments ignoring social robots as a new type of future “users.” As a simple example, social robots today struggle to operate even simple door knobs and handles due to the variety and inconsistency in their configurations. Design guidelines that respond to user requirements, robot capabilities, and aesthetic freedom have the advantage of maximising adaptability whilst decreasing costs and

complexity. From this work, the term *Robot Inclusiveness* was coined to define the study of best practices for the connected design decisions that will shape future robots and the spaces most suitable for their functioning.

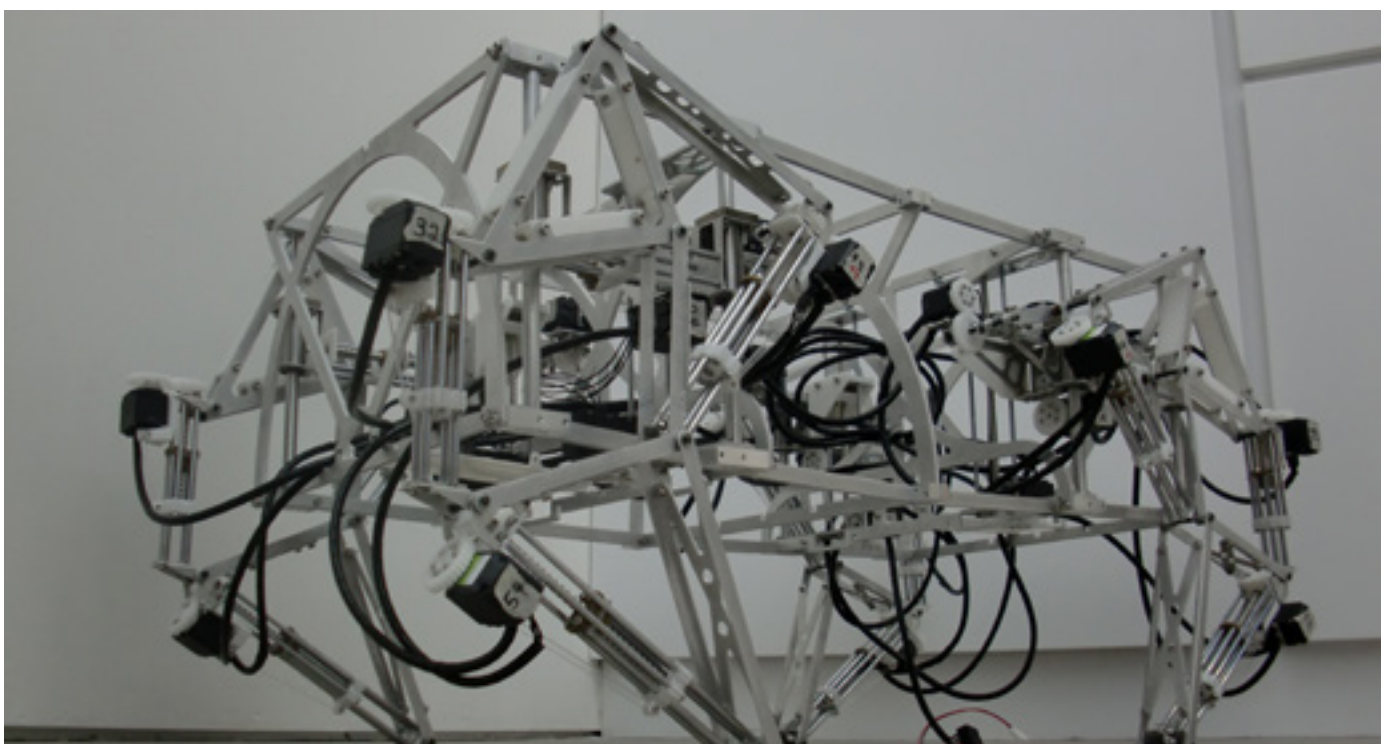
The team, including Dr Ning Tan and Xu Qinqi, has started to reveal the synergies that result from cross-disciplinary work to jointly design future spaces and products that support robot functionalities, whilst enabling design expressiveness and prioritising user needs.

By combining these research approaches, Ricardo and his colleagues go beyond the current research in robotics by proposing future roles for robots as collaborators in the design process. This takes advantage of adaptive robots that can be deployed in new spaces to interact with users and to survey daily usage patterns gathering data to help identify changing and latent needs.

In the last decade, Ricardo has also helped shape the field of Computational Creativity, where several examples exist of computational agents that generate output deemed as creative by discerning audiences.

Creative robots are imminent, not in the form of unnerving “idea generation machines,” but as active and responsive agents that designers can use as part of creative teams. In 2016 Ricardo collaborates with Dr Bryn Evans, under a research grant from the Faculty of Design and Creative Technologies at AUT, to systematically examine the role of humanoid robots in facilitating creative ideation sessions.

This work will contribute to revealing new and original applications for future creative robots and the best strategies to interact with humans and together amplify each other’s capacities.



Working prototype of a reconfigurable Theo Jansen Leg developed by Dr Ricardo Sosa in collaboration with Dr Nicolas Rojas and Shunsuke Nansai

COMMUNICATION STUDIES



Associate Professor Lorna Piatti-Farnell



Book cover for *Fan phenomena: The Lord of the Rings*

RETHINKING THE POPULAR: GOTHIC, FANDOM, AND THE WAY WE LIVE

Contributed by Associate Professor Lorna Piatti-Farnell

Associate Professor Lorna Piatti-Farnell loves everything Gothic. She loves vampires, zombies, and phantoms. She loves Gothic histories, Gothic cultures, and all recurrences of the Uncanny in popular media and culture. In her research, Associate Professor Piatti-Farnell sees manifestations of the Gothic, especially in the popular scope, as metaphors for the way we live in our Western cultures. Gothic narratives are reflections of what we covet, what we fear, and ultimately how we consume. It is in this querying that Associate Professor Piatti-Farnell's work lies.

2015 saw the publication of *New Directions in 21st Century Gothic: The Gothic Compass* (New York: Routledge), edited by Associate Professor Piatti-Farnell and Professor Donna Lee Brien (Central Queensland University). Through a collection of cutting-edge topics and research, this book moves beyond the representationally based aspects of literature and film that have dominated Gothic studies, and maps its changing and mutating incarnations. The essays in the volume present new approaches to contemporary Gothic, and visiting innovative areas including the Gothic and digital realities, uncanny food experiences, and representations of death and the public media.

Associate Professor Piatti-Farnell and Professor Donna Lee Brien's volume, as well as their international collaboration, testifies to the multifaceted nature of Gothic studies in the 21st Century, and its importance in our cultural structures.

To extend the reach and impact of her research on popular Gothic, Associate Professor Piatti-Farnell frequently presents at international conferences in the field. In October 2015, she delivered the keynote address for the inaugural Death Studies Network Conference, held at Central Queensland University, Australia. The conference brought together international researchers, students, and practitioners with an interest in death as part of critical, cultural, and political narratives. Associate Professor Piatti-Farnell's speech was entitled 'The Politics of Undying: Vampire Genetics and Cultural Politics of Immortality'. Continuing her presentations on popular Gothic, Associate Professor Piatti-Farnell also gave a keynote speech on the topic at the inaugural symposium of the Popular Culture Research Unit of Kingston University, UK, and presented a paper at the annual 'What Lies Beneath' conference, held at the Centre for Gothic Studies at Manchester Metropolitan University, amidst the gargoyles and fan vaulting of the famous John Rylands library.

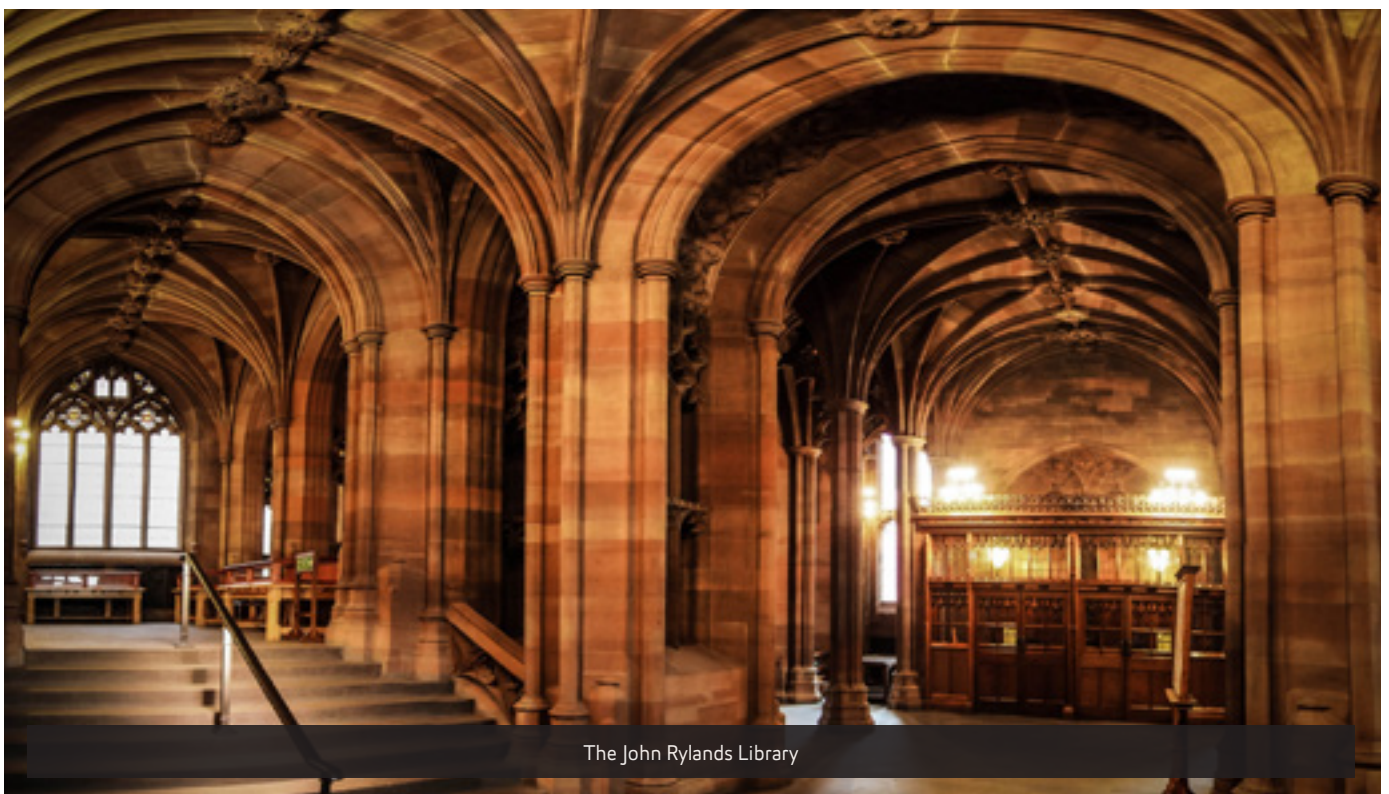
Associate Professor Piatti-Farnell's research into popular media, culture, and history also extends beyond the Gothic. When she is not busy entertaining the critical, cultural, and economic repercussions of the supernatural, she also maintains a productive interest in all things food (studies)-related. As with the Gothic, Associate Professor Piatti-Farnell has carved out a distinctive research profile around the question of food-as-metaphor in film, television, fiction, and popular history. In 2015, she published a journal article for the Australian Journal of Environmental Education on food, identity, and consumerism in the well-known television series *SpongeBob SquarePants*. Food and the Gothic have much in common: as metaphors, they both expose the simultaneously appealing and dangerous layers of our consumption practices, from pleasure to addiction.

In 2015, Associate Professor Piatti-Farnell published *Fan Phenomena: The Lord of the Rings*, an edited collection of essays. The book was published by Intellect, UK. Here, her interest in the socio-industrial aspects of popular entertainment media has led Associate Professor Piatti-Farnell to pursue the analysis of reception-based research, including matters of fandom. The book includes multi-faceted evaluations of the world of fandom in relation to *The Lord of the Rings*, in both, its incarnations as J. R. R. Tolkien's original books, and Peter Jackson's film trilogy. The chapters collected in the volume delve into such topics as the philosophy of the series and its fans, the process of adaptation, the role of New Zealand in the translation of words to images – and the resulting *The Lord of the Rings* tourism, and the presence of women in Tolkien's fandom. This book includes scholarship from Shaun Gunner, the Chairman of the prestigious Tolkien Society, with whom Associate Professor Piatti-Farnell maintains a successful professional relationship.

As well as being an active researcher in the field, Associate Professor Piatti-Farnell is a long-standing fan of fantasy as a genre, and *The Lord of the Rings* in particular.

Closer to home, Associate Professor Piatti-Farnell is the Director of the Popular Culture Research Centre at AUT, which was founded as a way of supporting and contributing to the development of AUT researchers in this rich field of study. The Centre is the first of its kind in New Zealand and Australia, and offers colleagues here the opportunity to share their work directly with other scholars in Australasian universities. As Director, Associate Professor Piatti-Farnell planned an international Symposium on 'Popular Gothic', held at AUT in February 2015. The Symposium included presenters from a number of Universities in New Zealand and Australia. Colleagues from the Centre who presented at the event included: Dr Sarah Baker, Dr Rosser Johnson, and Richard Pamatatau. The list of active members of the Popular Culture Research Centre also includes: Dr Peter Gilderdale, Dr Peter Hoar, Justin Matthews, Associate Professor Sharon Mazer, and Dr Matt Mollgaard.

Given the subject of Associate Professor Piatti-Farnell's research, from vampires to food, it is perhaps too obvious to point out that it is often interesting to readers beyond academia. Associate Professor Piatti-Farnell is often invited to speak about her books on various media outlets; in 2015, she engaged in a conversation with Bryan Crump at Radio New Zealand, discussing her research on the Gothic, and the publication of *New Directions in 21st Century Gothic*. As an academic and a professional, it is Associate Professor Piatti-Farnell's ultimate goal to make her research meaningful and evocative to all those who encounter it, both within and outside the bounds of academia.



The John Rylands Library



RAINBOW WARRIOR BOMBING LEAVES LEGACY FOR MAJOR RESEARCH MICROSITE PROJECT

Contributed by Professor David Robie

France detonated 193 of a total of 210 nuclear tests in the South Pacific, at Moruroa and Fangataufa atolls, before halting them in 1996 in the face of Pacific-wide protests. On 10 July 1985, French secret agents bombed the Greenpeace flagship Rainbow Warrior in Auckland Harbour, killing photographer Fernando Pereira, in a futile bid to stop a protest flotilla going to Moruroa. Pacific Media Centre director Professor David Robie was on board the Rainbow Warrior for more than 10 weeks of her last voyage. He was awarded the 1985 *New Zealand Media Peace Prize* for reportage and investigations into the 'Rainbow Warrior and Rongelap Evacuation'. The following year, the author's first book *Eyes of Fire* told the inside story of state terrorism in the Pacific. He subsequently reflected on a 20-year legal struggle by Television New Zealand and other media campaigners to prevent the French spies gagging reportage of their guilty plea from a public video record and the lingering secrecy about the health legacy of nuclear tests in the Pacific in a research paper for Australian Journalism Review. In the context of the *Frontline project for journalism as research*, initiated by Pacific Journalism Review research journal, his work inspired a major microsite – a community-driven collaborative project in 2015 coordinated by the independent publishers, Little Island Press led by Tony Murrow, interrogating participants over a three-decade period and

challenging the nature of mainstream media in New Zealand with an alternative reader's media model.

At the core of this five-month research project lies the notion of 'bearing witness' and academic justifications around journalism methodology as research. According to a Collins English Dictionary definition, to bear witness is to: "1. give written or oral testimony, or 2. be evidence or proof of, while synonyms include, bear out, testify to, be evidence of, attest to, be proof of, or give evidence, testify or give testimony". In an environmental journalism context, bearing witness draws from the Quaker spiritual tradition that was inspirational in the establishment of Greenpeace. The idea was to 'become living testimonies' for or against something that activists themselves 'had experienced first-hand'.

The Excellence in Research for Australia framework (ERA) "acknowledges in-depth, original journalism practice and publication as equivalent to traditional research outputs" and this has increasingly become accepted in New Zealand too as part of the PBRF audit criteria. This was a logical step following a commentary by PJR's Frontline section editor Wendy Bacon addressing the interface between professional, or practice-based journalism and scholarly journalism practices.

She mirrored the rise of similar debates in other countries, noting Sarah Niblock’s argument, for example, that the rise of the journalism academic “who was often an experienced practitioner, was breaking down the ‘once barricaded boundary lines between journalism practices and journalism theory’”.

Features of the innovative *Rainbow Warrior Project* collaboration involved:

1. A series of mini journalism reports by the Television Journalism students (led by lecturer Danni Mulrennan) including a final news bulletin incorporating all twelve news stories.
2. A series of five studio-based in-depth interviews by the Television and Screen production students (led by Gilly Tyler) of key players at the time of the bombing.
3. A series of six in-depth reports by a postgraduate student of the Pacific Media Centre, Alistar Kata, including international interviews via Skype with research support by Dr Robie.
4. Dr Robie researched and wrote the anchor article for the microsite, entitled *Rainbow Warrior redux: French terrorism in the Pacific*.

The television journalism students won the annual *2015 Ossie Award for Best Innovative Television Journalism* for what the judge, media writer Myriam Robin of Crikey, said was a ‘multimedia-rich’ website. She added in her citation:

“The *Eyes of Fire* project used the online medium well, through a clear easy-to-navigate and multimedia-rich website, but also contained significant amounts of more traditional print and video reporting, which was tightly edited and interesting. The two were combined well to both entertain and impart information. Looking through it was an education [on] the Rainbow Warrior and its significance.”

Alistar Kata, of Ngapuhi/Cook Islands heritage, who was also contributing editor of the Pacific Media Watch Freedom Project at the time of the project, was a key contributor to the microsite before graduating and joining the Tagata Pasifika television magazine programme in early 2016. Collectively, her multimedia package of stories and interviews totalling more than 35 minutes was a strongly researched and insightful reportage on the legacy of the nuclear-free New Zealand and Pacific movement, the aftermath of the bombing and the future of New Zealand activism as the country faced the growing impact of climate change. As part of her research, Kata also conducted a 16-minute studio interview with then Greenpeace New Zealand executive director Bunny McDiarmid, who had been one of the crew members on the bombed ship.

In the final analysis of the peer-reviewed 9000-word project exegesis, published in the July edition of *Pacific Journalism Review*, the conclusion was:

“Although that hostility [after the bombing] eased, especially after the halt to nuclear testing in 1996, there is still ongoing environmental fallout from both nuclear testing and climate change that makes it imperative that this sort of deeper journalism practice continues. A striking common factor involved in the Rainbow Warrior and the Rongelap experience was the lifelong legacy that bound the participants together as activists for the planet, whether it was through direct action such as through Greenpeace, or through journalism. We had all been changed profoundly by the experience”.

Reference:

Robie, D. (2016). The Rainbow Warrior, secrecy and state terrorism: A Pacific journalism case study. *Pacific Journalism Review*, 22(1).
The microsite: <http://eyes-of-fire.littleisland.co.nz/>



David Robie’s bombed passport (photo by AUT Pacific Media Centre)



Rainbow Warrior after bombing (photo by Gil Hanly)



Associate Professor Verica Rupa

AUT MEDIA OBSERVATORY: NEW DIRECTION IN JOURNALISM RESEARCH

Contributed by Associate Professor Verica Rupar

AUT Media Observatory – a new, ongoing research programme within Journalism, Media and Democracy Research Centre – grew out of the interest in journalism performance. It is often said that journalism is losing its place at the heart of democratic society: the financial pressures are negatively affecting the quality of news coverage, more journalists than ever are concerned about their credibility with the public, concentration, conglomeration and globalization of news media ownership are crushing the ideals of independent, autonomous and professional journalism. Journalism crisis has become an academic cliché but systematic evaluative frameworks for assessing quality of news in New Zealand context are missing.

The absence of regular assessment and analysis of news is a reflection of the fact that existing journalism enjoys a strong position in setting the criteria by which it is evaluated. Programmes such as “Media Watch” on RNZ and “Media Take” on Māori Television have been created to give an insight and enlighten the audience about the practice that stands behind media coverage of the events. And they do the job. The internal monitoring of media performance creates a viable forum for public debate but it has its limitations. It creates an environment where imagining what journalism might become, is restricted by what journalism is.

The AUT Media Observatory has been set up to address the absence of systematic and disciplined monitoring of news and to generate data for exploring how the discursive practice of journalism negotiates its democratic role in opening a space for public dialogue in increasingly mediated social and political environment.

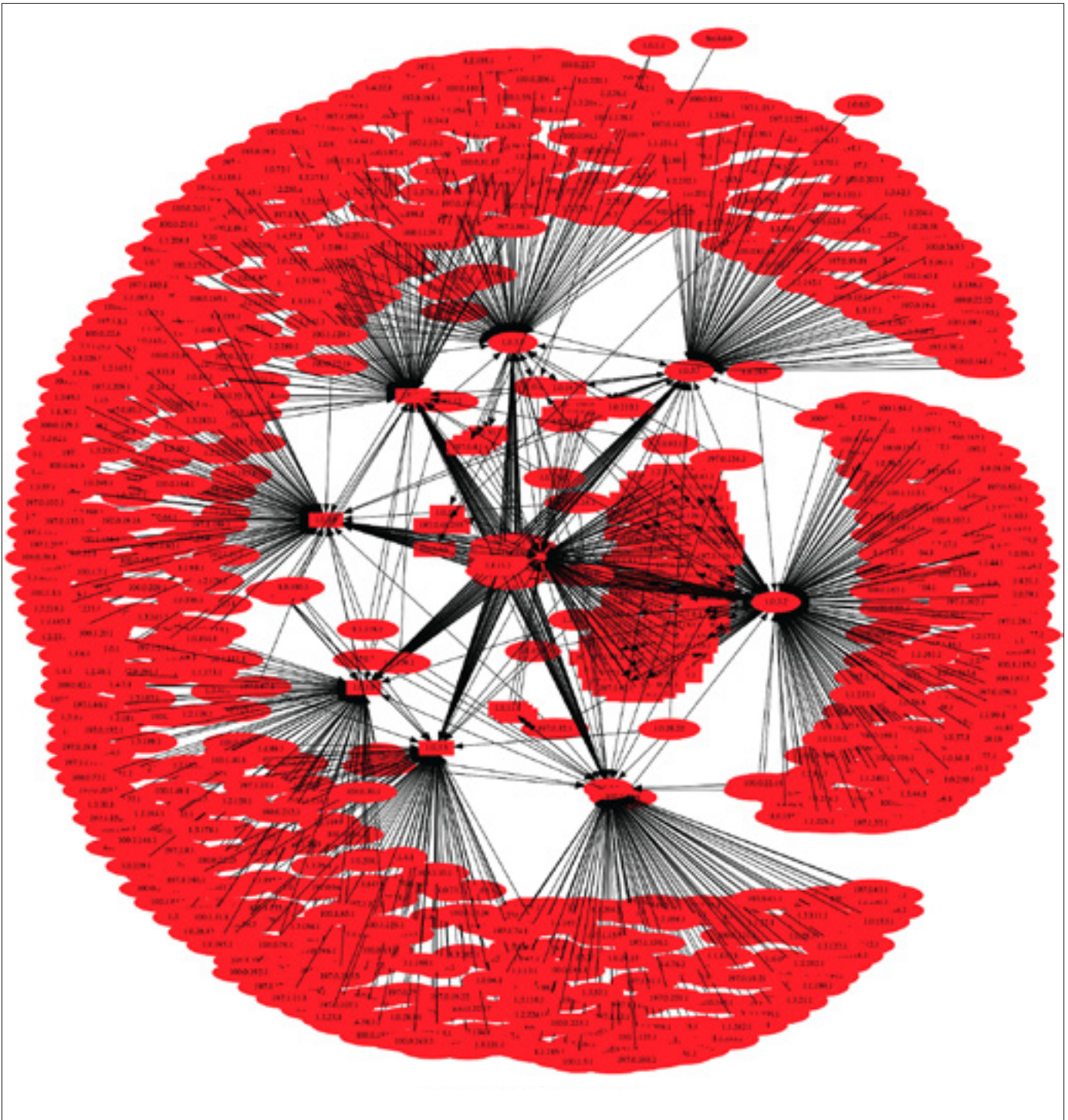
The first project focused on “News, Politics and Diversity in the 2014 New Zealand General Election”. A team of researchers from the School of Communication Studies – Associate Professor Verica Rupar (principal investigator), Dr Sarah Baker and Dr Thomas Owen with support from Dr Parma Nand (in the School of Computer and Mathematical Sciences), investigated media coverage of the elections and political reporters’ use of Twitter.

The study found the 2014 elections were not only highly mediated by political parties, but also highly mediated with clear willingness from news media outlets to represent the dominant sources of information and prioritise political parties and leaders within the coverage. Focusing heavily on party voices – more than all other voices combined – media reduced its role from objectively informing the public to simply replaying party messages and adopting parties’ agendas.

Perhaps most concerning, the disproportionate focus on politicians and political parties minimised the space left for citizens’ voices in the coverage, to the degree that citizens were used only slightly more as sources than the National Party alone (215 to 209, respectively), and considerably less than political party sources in general. The members of the public – representing the diversity of voices ingrained in media’s promises to carry the democratic torch on behalf of the citizenry – were deployed here and there to give their opinion on the issues of a day, but their presence was minor. These findings engender the critical question, also asked by previous scholars, as to whether it is indeed the source of information or the information itself that journalists are seeking in their everyday work – election coverage included.

Data collected in the AUT Media Observatory election project are available to other researchers. Following the AUT strategic goal of promoting intellectual debate, curiosity and discovery, and engaging with issues of national and international importance to communities, industry business and the professions, the Observatory contributes important knowledge to the national debate over our news media’s performance, and to ongoing international inquiries into the nature of contemporary media and democracy. It also provides a focal point for strengthening relationships with other research and professional news media bodies, as well as raising AUT’s profile and reputation and increasing its attractiveness to new students and staff.

COMPUTER AND MATHEMATICAL SCIENCES



ISO Network

SOCIALISING AND FINALISING SCIENTIFIC RESEARCH

Contributed by Dr Brian Cusack

Research as a creative endeavour has many representations. The challenge for researchers is to find suitable outlets and to get the type of recognition that the University requires in, for example, PBRF outputs. Seldom is scientific research that concerns the physical and information sciences seen as a social activity where the outputs from systematic and structured enquiry are renegotiated for social impact. In the world of international standards this is exactly what happens to the outputs of scientific research. Over the last 15 years a significant portion of Dr Cusack's research has been in the negotiation of international standards, the preparation of oral expert opinion and the publishing of documentation as the editor. These outputs can all be captured by the PPRF requirements. The added benefit is the growth of a vast international social network of experts who help contribute to the reputation of AUT research and funding.

The International Standards Organisation (ISO) was founded in 1947 as the international body to negotiate scientific standards. Although there are many other associations, industrial, proprietary and national bodies that produce standards, ISO is the governing reference body for 172 nations. It operates as an international facilitating body for the brokerage of knowledge around the constantly evolving understandings of the scientific and technical worlds. It is also a reference body to the UN. The importance of ISO is demonstrated in the organisation's ability to apply the lexicon for linguistic definition and the authority of processes for dispute resolution. When an international standard is released an agreement has been made as to the meaning of disparate terms. An agreement is not easy to come by. Most international standards take between four and six years to proceed through due processes and then to materialise in documentation for dissemination throughout the world.

Some of the more interesting examples Brian has negotiated were for governance systems, and more recently, cryptographic applications for credit card security. In each of these instances the differences in word usage by the different nation state orders and the liaison representations from other standards associations such as the IEEE and the CSA, become apparent in the protraction of issues and the intensity of debate. In the negotiation of the governance standard it took four years to bring about agreement because in many of the jurisdictions the word 'governance' was simply not used. These jurisdictions in Asia and Europe tended to use the term 'management' and to prefer a flat two tier organisational structures. Introducing a three tier model (termed the tin hat model) confounded thinking and required a paradigmatic shift that was difficult to make.

Also more recently in Florida the debate over the inclusion or exclusion of a particular cryptographic algorithm in the security mechanisms for protecting information in credit card transactions, showed that strongly held scientific beliefs could

have stood in the way of the social implementation of security services. However, the application of due social processes for the resolution of conflict resolved the scientific contention.

The concept of the end of science as a social demise is not new. No matter how intensely a discipline of knowledge asserts its internal reliability, the external validity will be judged from a multidisciplinary perspective. In the case of science, Thomas Kuhn introduced the concept of paradigms as part of an explanatory framework that relocated knowledge-building endeavours into a domain of social consequences. He is famed as saying: "What were ducks in the scientist world before the revolution are rabbits afterwards. The person who first saw the exterior of the box from above later sees its interior from below."

The concept of breaking the world into many small conversations is also a well-developed resistance to scientific meta-narratives. However, Brian's work in ISO has shown that decomposing speech into its parts is insufficient for a common conversation. The key to a consensus is the harmonisation of differences into a loosely distributed network in which most people are prepared to participate. A standard is an agreement that has harmonised conversations that are both great and small into a socially acceptable text for communication. The more difficult question, of course, is capturing the abstractions from negotiations and assuring the viable life worlds for the many and diverse users of the international standards. This is completed by the reinterpretation of the variations and the adoption of the text into multiple contexts that include scientific and non-scientific genre.



The megaminx in its START configuration (left) and the SUPERFLIP (right)

LETTING THE COMPUTER TAKE THE STRAIN: COMPUTATIONAL MATHEMATICS IN AUT

Contributed by Dr Robin Hankin

AUT researcher and Senior Lecturer in Mathematical Sciences Dr Robin Hankin works on the interface between mathematics, statistics, and computer science. Much of his research output is the extension and generalization of the R computer language, with a focus on the writing of new mathematical functionality. The aim is to contribute to the provision of efficient, working software to address mathematical problems. For example, the R language has no internal mechanism for dealing with multivariate polynomials.

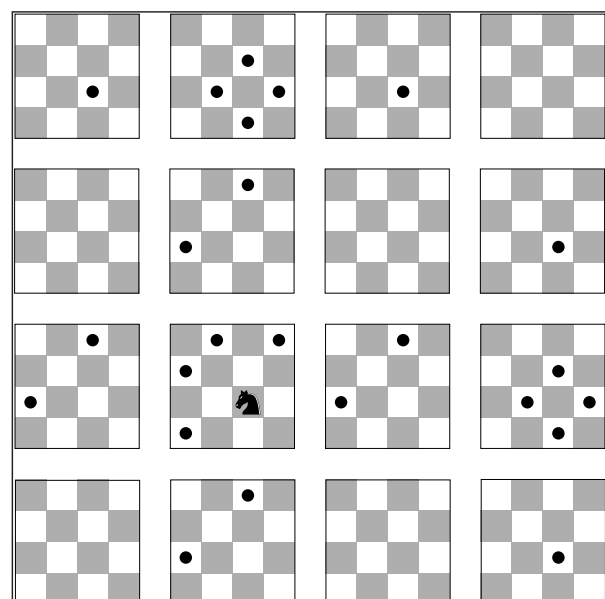
In 2015, Robin wrote a suite of software which builds on his previous work in the implementation of sparse polynomials (the 'spray' package) to manipulate multivariate polynomial expressions (figure *Four-dimensional chess knight* shows one whimsical application of these objects to a generalized chess knight which moves on a four-dimensional chess board). His work in combinatorics includes implementing functionality for studying the mathematical field of group theory in the R language.

Group theory is the abstract study of symmetry and finds applications in many fields such as chemistry, public-key cryptography, and fundamental physics. One outcome of this is an improvement on a long-standing lower bound for a superflip sequence (shown in the figure above), an achievement which is currently under peer review.

Computational combinatorics has many facets, one of which is the analysis of game theory. Game theory is the study of conflict between intelligent rational decision-makers, and as such has many applications in economics, business, and behavioural ecology.

The field originated in the 1920s with mathematicians such as Borel and von Neumann introducing the concept of the zero-sum game. However, now computers have entered the field and it is now possible to study more complex systems than the early pioneers considered.

Robin is using his software to consider new types of zero-sum games, specifically liability allocation games in which the players have to dispose of an allocation of unwanted items in the most efficient way.



A four-dimensional chess knight on a 4x4x4x4 board:
Cells attacked by the knight are shown by dots



Krassie with her Master student Sagorika Datta

MOBILE TECHNOLOGY, SERVICES AND APPLICATIONS: DEVELOPMENT, ADOPTION, AND IMPACT

Contributed by Krassie Petrova

The research interests of Krassie Petrova include “all things mobile”, with a triple focus on mobile data services (MDS) development, impact, and adoption. Yes, everybody has a mobile phone, almost everybody has a smart mobile phone, and many have also a tablet or an iPad that can be connected to the mobile Internet. While in 2011 only about 25% of all mobile phones in the world were smart phones industry research predictions indicate that by 2020, the number of smart phones will exceed 60% of all mobile phones, that about half of all smart devices will be 4G capable, and that mobile data traffic annual growth rate will reach 60%. In everyday life mobile devices are still mostly used to connect people, and to facilitate communication; however, performing common everyday tasks using mobile technology has become increasingly popular too (e.g., paying for one’s car park, or transferring funds from a bank account). While 3G mobile data networks are currently prevalent and SMS is still widely used, it may be expected that the gradual transition to the next generation mobile data technology (4G and 5G), coupled with innovative approaches such as software-defined networking and network virtualization, will offer even more opportunities for the development of innovative customer-oriented services.

This growth has created a potentially very significant customer market for services that individual customers can use at their convenience – anytime and anywhere within the reach of their mobile network connection. Instances of numerous readily available and relatively simple mobile services can be found in the mobile applications online stores; the number of applications available to the users of the arguably most popular smart device platform (iPhone) has surpassed 1.5 million. It may be expected that designing, developing and providing MDS will continue to appear as an important innovative aspect of mobile technology adoption, and that new and diverse services will be offered. The rapid technology development and increased customer participation has created a stimulating but challenging environment for MDS developers and providers, with customers becoming active participants and service value co-creators. Therefore, research in the area may have important academic as well as industry implications.

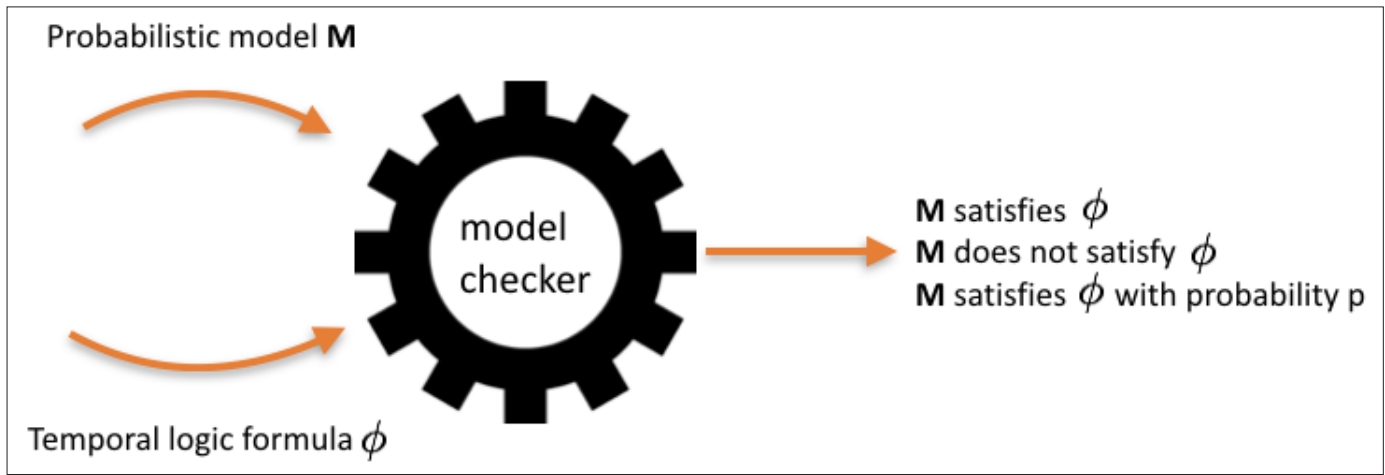
Krassie has been involved in a number of MDS-related research projects, often in her supervisory role of Master’s research students. Her previous research on mobile technology adoption has been published in *International Journal of Technology Diffusion*; work related to the adoption of mobile banking, mobile payment, location-based services, and mobile learning has appeared in *International Journal of e-Services and Mobile Applications*, *Journal of Electronic Commerce in Organizations*, *International Journal of Web-based Learning and Teaching Technologies*, and *Electronic Commerce Research*, respectively.

More recent work includes the research on the use of serious mobile games (a multi-authored paper published in *Computers & Education*), and the development of a mobile learning tool supporting early childhood education (co-authored article in preparation).

Krassie’s current specific focus is on the investigation of MDS customer and MDS supplier interactions as part of the MDS ecosystem, on factors informing MDS supplier decisions about developing and providing MDS, and on including an MDS supplier perspective in MDS adoption models. Krassie’s doctoral thesis (submitted for examination) contributes an MDS value framework, a dynamic MDS customer typology, and an MDS adoption framework that reflect MDS supplier views on customers and the environment. With respect to industry implications, the thesis provides a number of recommendations including the provision of a value co-creation space and opening MDS design to customer input.

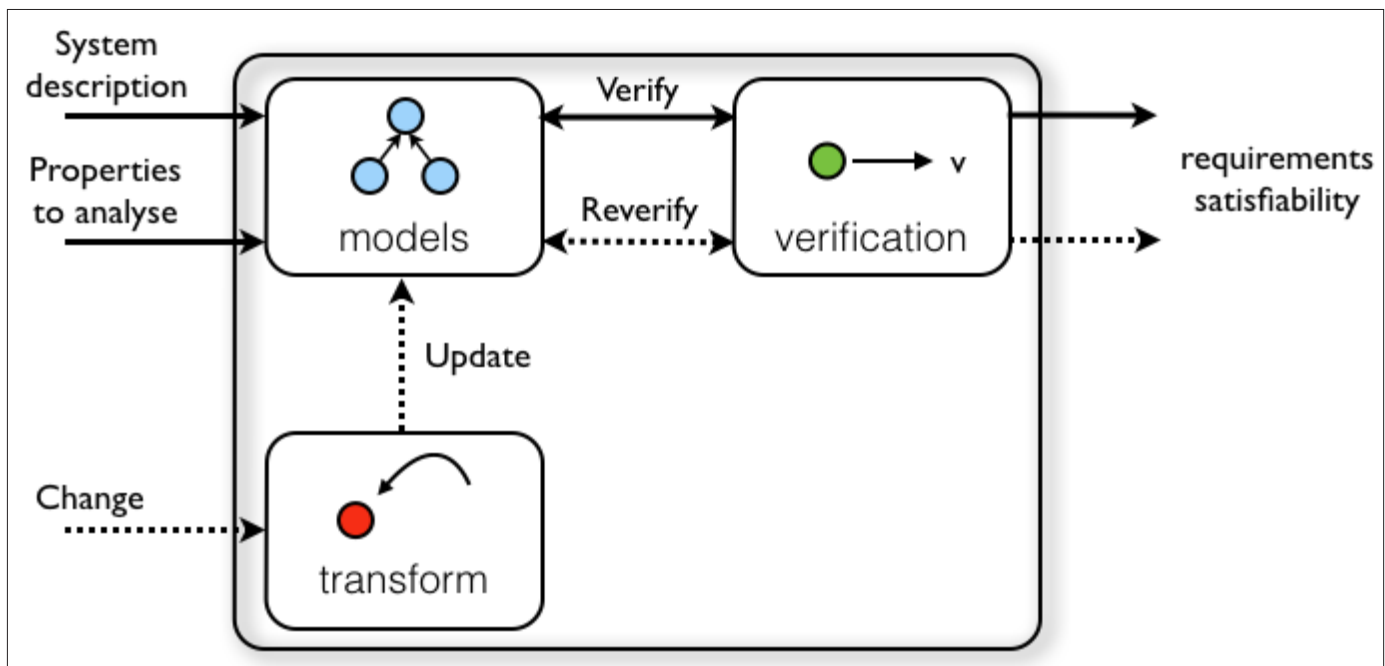
The value co-creation and interaction between customers and the “new professionals” (individuals who use extensively new technologies and social media channels to create, promote and offer services and products) is the topic of the latest student research work Krassie is supervising. Featured on the photo is her Master of Computer and Information Sciences research student Sagorika Datta.

Figure 1



A probabilistic model checker determines the satisfiability of a probabilistic temporal logic formula ϕ on the probabilistic model M

Figure 2



When started, the framework verifies each component model to determine requirements satisfiability, as depicted by solid lines; when a change occurs during runtime, models are updated and reverification occurs, as depicted by dashed lines

FORMAL VERIFICATION FOR SYSTEM DEPENDABILITY

Contributed by Dr Kenneth Johnson

Modern systems are large-scale and complex, comprising all kinds of components, scattered across platforms, businesses and geographical regions. They form the technical backbone of the digital services we use daily and are found in industrial manufacturing systems and eHealth applications. We expect these systems to be always available and deliver a high quality of service despite running in a dynamic environment.

To be considered dependable, a system must be adaptable and respond to changes that occur frequently during runtime, such as:

- Failure of components deployed on cloud computing infrastructure;
- Increased workload on the system during peak hours;
- Modification of the system's architecture, such as adding new components.

A system unable to adapt to these and other kinds of change may provide decreased quality of service such as slow response time or lose system functionality. This reduces productivity, profits and can potentially endanger lives.

Dr Johnson's research creates adaptive technologies to automate system evolution in response to changes at runtime. He has developed a mathematically mature approach to this problem, based on formal verification techniques (FVTs). The most successful FVT is model checking, in which a finite state machine representing the system is exhaustively checked by software tools, giving irrefutable proof for satisfiability of logical formulae specifying system requirements. These techniques have a proven track record of success in analyzing both hardware and software systems. Figure 1 illustrates the probabilistic variant of model checking which calculates the probability of a model satisfying a property.

However, there are two key challenges to realize the FVT approach for system adaption. The first challenge is that modern systems are simply too big, and trying to analyze their models is an intractable verification problem, or the analysis will take too long to be useful. The second challenge is that changes frequently modify components, leaving their models to quickly become an inaccurate representation and previous verification results become outdated.

To address both of these challenges, Dr Johnson has developed a generic, tool-supported framework based on compositional FVTs. The framework is illustrated in Figure 2 and takes a system description and local properties to analyse as input and performs a sequence of verification steps over components models. The results are combined to form a compliance guarantee for the entire system, thereby avoiding direct analysis of a huge system model.

Dr Johnson and his colleagues at AUT and in the United Kingdom have applied the framework on case studies in industrial systems, such as baggage handling and food processing systems and digital systems deployed on third party cloud computing infrastructure. For some of these case studies, the effectiveness of the framework was demonstrated by using existing probabilistic assume-guarantee model checking techniques for component models of a cloud deployed digital service. The verification analyzed components and cloud infrastructure, measured as the probability of the component's failure over one year, determining the entire system's reliability.

Once initial verification is completed, the framework moves into the runtime phase, where components are monitored for change. The kinds of changes handled by the framework can be divided into three main categories: addition, removal and modification of components. For the digital services case study, imagine that a physical server within the cloud infrastructure is modified due to failure of a hard disk.

The change in the server is interpreted as an operation performed on the model, to represent the new configuration of the server and thus reverification of the model provides a new measure of reliability. If the change decreases reliability, then incremental reverification steps are taken on components depending on the server, computed from the system's architecture. In this way, the framework determines the minimal amount of analysis required to guarantee system compliance. This effectiveness is necessary for verifying frequently changing systems.

Dr Johnson's most recent research contributions have been the use of belief-desire-intention agent technology as a means to performing verification of large-scale systems. An agent is assigned to a component and is responsible for performing a verification task after a system change, communicating results to other agents. Intelligent agents are a natural paradigm for specifying decision-making policies for adaptation.

Logical reasoning on agent behaviour opens possibilities to formal verification of adaption strategies, which can help determine the actions an agent should take in response to change. Kenneth and his colleagues expect to make future contributions by developing new forms of compositional FVT based on confidence interval analysis and parametric model checking.



Nik Kasabov with some of his PhD students in the NeuCube Lab

OPENING THE BLACK BOX: A CONVERSATION WITH PROFESSOR NIKOLA KASABOV

Contributed by Anne French

Professor Nikola Kasabov, Director of the Knowledge Engineering and Discovery Research Institute (KEDRI), is one of AUT's most distinguished academics. A Fellow of the Royal Society of New Zealand and Fellow of IEEE, and Adjunct Professor at Shanghai Jiaotong University and ETH Zurich, world-leading research universities, in 2015 he was awarded the University's supreme academic award, the *University Medal* for sustained and outstanding contribution to the academic success of AUT.



Professor Kasabov has nearly 180 journal papers to his name, and has received many awards and prizes. He is co-founding editor of *Evolving Systems*, published by Springer, and Associate Editor of 12 other journals in neural networks, information science, informatics, and related fields, including three *IEEE Transactions*. He estimates that he has given more than 80 keynote, plenary and invited addresses at international conferences. So it comes as some surprise to discover that he has re-started his academic career three times as he has moved from one country or university to another, rebuilding his research team as he became accustomed to a new country, a new university, and different ways of doing things.

Nik Kasabov was born in Bulgaria, and studied at the Technical University in Sofia, the capital. His first Masters degree was in electrical engineering, specialising in the exciting new field of computer science. He did a second Masters degree in applied mathematics, but his PhD was in mathematical sciences, on algebraic structures and information structures, leading to the design of new computational architectures.

Soon after he completed his PhD he had several patents in addition to his academic papers, but was much more interested in pursuing his fundamental research on novel methods of representing information than in following his IP out into industry. Years later, when he accidentally found out that a world-leading electronics company had used his work (after the patent had expired) to commercialise a stack memory device, he felt mixed emotions. On the one hand, someone else had made money from his work. But on the other hand, it was a resounding commercial validation of his thinking.

Like everyone else, he started his academic career at the bottom, working his way up from research assistant to associate professor, becoming director of the International Graduate School in Artificial Intelligence at TU Sofia. Inspired by how the brain processes information, he was the first person in Bulgaria to introduce neural network models, in which the elements of information interaction are neurons. This approach led to new techniques. When he moved to the UK in 1989, to the Department of Computer Science at the University of Essex, the field of neural networks was completely new there, and Nik was its first researcher.

Now Essex is home to a large Computational Intelligence laboratory, building on the work he started as a newly appointed research fellow. Nik's work was supported by funding from industry, the Leverhulme Trust – a novelty for a researcher from Communist Bulgaria.

The next step was innovative. The brain doesn't merely process numerical information: it also organises information in terms of symbols and concepts. Nik's approach was to incorporate fuzzy logic with neural networks, so as to insert human knowledge into a neural network and also to extract new information from neural networks trained on data, now as linguistically meaningful terms. This was a crucial step in *opening 'the black box'* – which is how neural network models were considered at the time. This allowed for a better understanding of data and the processes that generated it. It also opened up the possibility of turning expert knowledge into an engineering tool; and also of extracting knowledge from trained neural networks. That is, it is possible to derive fuzzy logic rules from data.

When he moved from the UK to the University of Otago in 1992 with his family – his wife Diana and daughters Kapka and Assia – there was another career re-set. Once again, he started at senior lecturer level, this time in the Department of Information Science. When he offered the first postgraduate course at Otago in neural networks and fuzzy logic, he had only one student, and 'everyone laughed'. Ten years later, he had more than 50 postgraduate students doing the course. By the time he left Otago, he had established the first Knowledge Engineering Lab and the first Bioinformatics Research Group in NZ. There he supervised 9 PhD's to completion. In 1996, MIT Press published his book "Foundations of neural networks, fuzzy systems and knowledge engineering". It was seminal. To date it has been cited more than 1200 times and is still being used widely as a postgraduate textbook. One of his methods of fuzzy neural networks for learning from data, called DENFIS, published in 2002 by IEEE, has been cited more than 900 times.

At Otago, Nik decided that systems should continue to evolve in response to new data, just as the brain continues to grow new connections in response to new information. This led to new work that he named *evolving connectionist systems*, and a new book, now in its second edition, that has been cited over 1000 times.

Whilst at Otago, Nik became interested in the application of his methods to bioinformatics, and began collaborating with colleagues in science, notably Professors Parry Guilford and Anthony Reeves. He was invited to co-found a spin-out company, known as Pacific Edge Biotech, since his analysis had shown the theoretical effectiveness of a new set of diagnostic markers. Pacific Edge is now a listed company with several products already in the market and a new one having successfully completed clinical trials in the USA, confirming that the diagnostic test is 97% accurate in detecting bladder cancer (with a correspondingly very low rate of false negatives). An excellent result for work that was speculative and risky. 'In research, you can have a good intuition – but you need also to take the risk'.

Nik moved to AUT in 2002, where he added new dimensions to his work: neurogenetic and quantum-inspired methods for data modelling, since the brain also uses genetic and quantum processes. In addition to bioinformatics, he added neuroinformatics and data mining to his research topics. 'From data mining, you can create systems of knowledge, leading to knowledge engineering', he explains. At AUT, he initiated new research on spiking neural networks (making his approach even more 'brain-like'), where information is represented as temporal sequences of events, called spikes. This approach is best suited to temporal or spatio-temporal data – the most difficult data to model and understand.

At the heart of KEDRI is the new NeuCube, a neuro-computer for spatial and spectro-temporal data, patent protected for AUT. The NeuCube is currently being used by the 13 PhD students in the Institute, as well as research fellows and visiting researchers from Europe, China, and Japan – currently more than 20 researchers. The application areas are very diverse, ranging from brain-computer interfaces and emotion recognition to personalised medicine and earthquake modelling using seismic data.

One of Nik's most fruitful collaborations is that with the Institute for Neuroinformatics at ETH Zurich on spiking neural networks. The engagement was originally funded by the EU, under a Marie Curie Fellowship. When the results of the applications to the Marie Curie Fund were announced, Nik was delighted to find that his was ranked first in the world in the Engineering pool, with a score of 96.7%. (He comments wryly that the same project had failed to get through to the second round when offered to the Marsden Fund).

Nik has also developed close collaborations with some Chinese academic institutions. One is a tri-partite project with Jiaotong University, Shanghai and Xinjiang University, Urumqi, affectionately termed by the Chinese colleagues 'The three brothers'. The second collaboration is with the Institute of Automation at the China Academy of Sciences. Professor Kasabov and his overseas collaborators have co-supervised a few PhD students and have published together; he pays extended visits to Zurich and China each year.

Nik's former PhD students are to be found in leading labs all around the world, from Auckland to Malaysia and Portugal to China – as well as New Zealand companies such as Fisher & Paykel Healthcare, Spark, and Orion. Some of his PhD students are pursuing successful academic careers at the University of Auckland and the University of Otago.

Professor Kasabov continues to be excited about the possibilities of his research, whether it is to understand bioinformatics and neuroinformatics data, to capture the relationship between air quality and acute hospital admissions, or working with scientists from GNS Science to use seismic and geodetic data to predict earthquakes, and much more. But most importantly, he wants to advance brain-like data analytics and to build new spatio-temporal data machines. He always says that the most important things for him to achieve and for science in general are still ahead!



Dr William Liu

A RELOCATION OF RESEARCH FOCUS: FROM GREEN NETWORKING TO SUSTAINABLE NETWORKING

Contributed by Dr William Liu

It is a larger purpose that called us to the academic life – connecting scholarship and practice to address problems that are significant to citizens, institutions and society. (Fear, A.F., et al. 2001, p.32)

The research interests of Dr William Liu include green and sustainable networking.

The term of “green networking” has recently become widely popular and has taken on an increased importance, although its conceptual origin is almost three decades old. In 1991 the *Green Lights Program* was introduced by the Environmental Protection Agency (EPA) to promote energy-efficient lighting. In 1992, the *ENERGY STAR* programme introduced energy efficiency specifications for computers and monitors. However, it is only in the last decade when green networking has gained traction because of the rapid growth of the Internet technology. The need to keep low the cost of energy used for running the global Internet infrastructure is the key driver of green networking.

Since joining AUT in 2010, Dr William Liu and his students have been working on researching the links between energy consumption and carbon generation, as well as tackling the challenges related to lessening the energy consumption both in telecommunications and in Internet networking. Several novel energy- and resource- aware routing algorithms have been developed to achieve the most energy efficient data transmission. Moreover, William has discovered the mathematical relationships between the energy consumption performance of a network and its underlying structure, which allows to maximize the network energy efficiency.

Since 2012, Dr William Liu has been actively participating in the activities of the IEEE Technical Committee on Green Communications and Computing (TCGCC), in the roles of general reviewer, TPC member, and has also served on the organizing committees of several TCGCC sponsored premier conferences and workshops: as a Programme Vice-Chair of the 2015 IEEE International Conference on Green Computing and Communications (GreenCom), Publicity Chair for the IEEE International Workshop on Green Standardizations and Industry Issues for ICT and Relevant Technologies (GSICT) in GlobeCom2015, the IEEE International Workshop on Sustainability, Implementation and Resilience of Energy-Aware Networks (SIREN) in ICNC2016 and the IEEE International Workshop on Green and Sustainable Networking and Computing (GSNC) in INFOCOM16.

Due to the immediate impact on business value, it is likely that green networking will remain focused on reducing energy-related costs while improving the performance of energy-hungry network infrastructures.

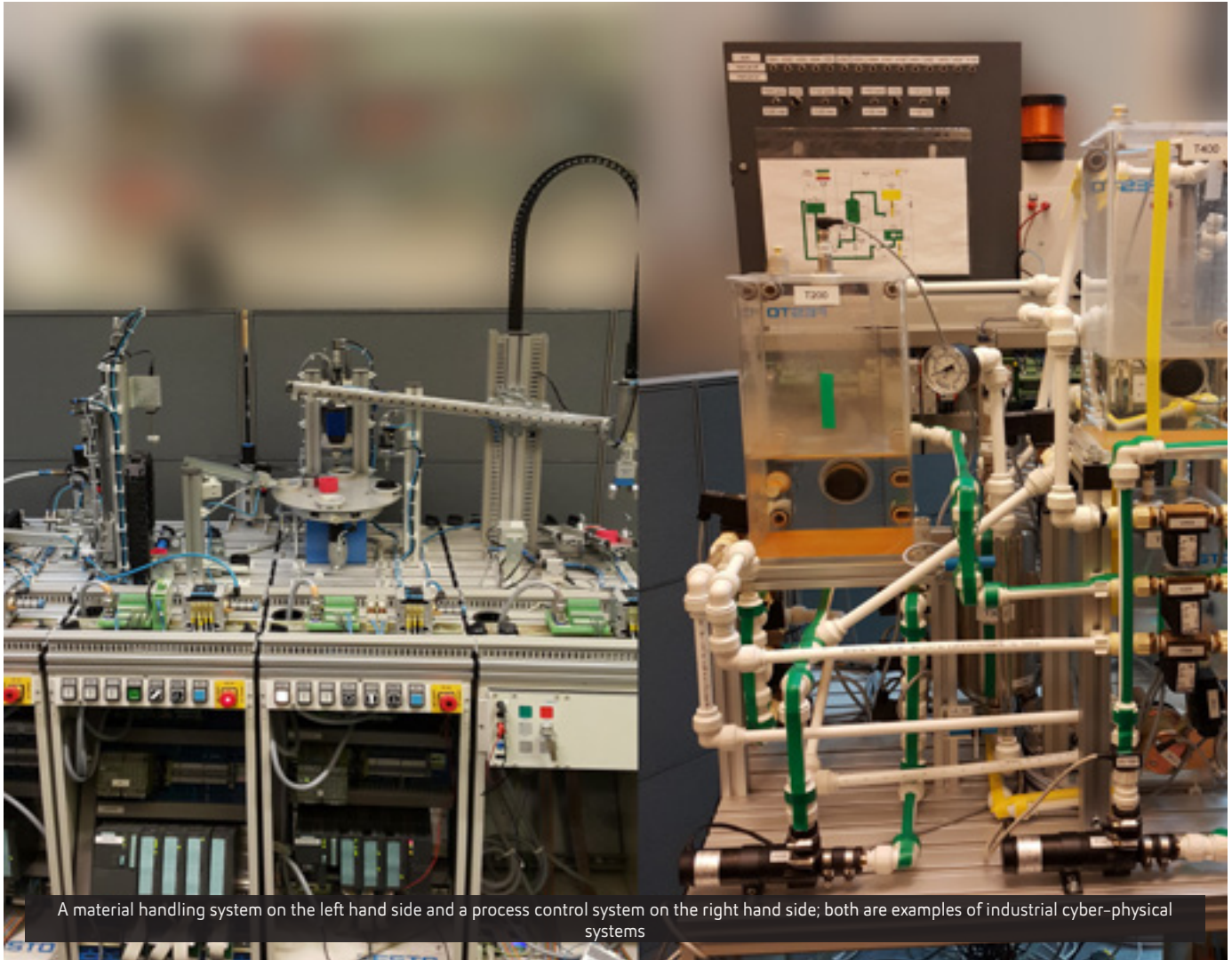
However, it is unlikely that this first wave of activities will be extended sufficiently in order to enable the overall minimization of the ecological footprint of global networking. It is critical to challenge the existing energy efficiency oriented technological solutions by assessing their impact on society: what is the ecological effect of such solutions, in other words, do they have a potential to contribute to sustainable development? Sustainable development has been a focus of in the development of international public policies since the Earth Summit in 1992. It identifies three core objectives for human development: economic growth, social inclusion and environmental sustainability. Only by pursuing these together can the world achieve “development that meets the needs of the present without compromising the ability of future generations to meet their own needs”.

In September 2015, an agreement on 17 Sustainable Development Goals (SDGs) and 169 related targets was reached by the United Nations, and this has also been included in the UN Post-2015 Development Agenda till 2030. William and his research collaborators Assistant Professor Luca Chiaraviglio from University of Rome Sapienza, Italy and Associate Professor Jinsong Wu, from Universidad de Chile, who is also the Chair of the TCGCC committee, have initiated a number of SDG-oriented research activities, such as forming a special interest group (SIG) of SDGs, calling journal special issues and organizing relevant workshops. The aim of these activities is to promote further research and innovations in the area of ecological and energy-efficient networking. They envision that new studies in sustainable networking will soon trigger a second wave of green networking innovations. This second wave will encompass the adoption of ecological strategies to redefine the networking design requirements, will spur innovations that will integrate technical design and solution. They also hope that all these activities will further raise the businesses awareness of the need for environmental and social responsibility.

Currently William and his research students are charting some new directions in their sustainable networking research agenda. This includes improving the quality and efficacy of network infrastructure and connectivity while ensuring their affordability and access for all by using delay-tolerant and community-based networking approaches.

Reference:

Fear, A.F., Rosaen L.C., Foster-Fishman, G.P. & Bawden J.R. (2001) Outreach as Scholarly Expression: A Faculty Perspective, *Journal of Higher Education Outreach and Engagement*, 6 (2), 21-34.



A material handling system on the left hand side and a process control system on the right hand side; both are examples of industrial cyber-physical systems

DESIGNING NEXT-GENERATION DISTRIBUTED EMBEDDED SYSTEMS

Contributed by Dr Roopak Sinha

Can your driverless car be found responsible when it causes an accident? Who takes responsibility when your personal data app fails to warn you of an impending stroke? Will technology really evolve fast enough to be the panacea for environmental problems such as low crop yields or high greenhouse gas emissions in the year 2050? Unlocking the immense potential of technology in the Brave New World of the Internet-of-Things (IoT), Big Data, and Cyber-Physical Systems, requires systematic design and testing strategies for distributed embedded systems.

What does research look like at the cutting edge of computer science, embedded software engineering, the Internet-of-Things and industrial cyber-physical computing? Pretty exciting, if you ask Dr Roopak Sinha from the School of Engineering, Computer and Mathematical Sciences. Roopak has been working actively with leading international researchers towards unlocking the potential of embedded systems to solve key current and future technological problems.

As a computer systems engineer, Roopak has always been fascinated by *embedded systems*, which combine hardware and software to solve specific problems. Embedded systems are everywhere: small hand-held devices for detecting melanoma, mobile apps on smart phones, farm-hardened gadgets to weigh cattle, complex heterogeneous factory manufacturing systems, mazes of conveyors handling large volumes of baggage in an airport, and autonomous vehicles are all embedded systems. Roopak's focus has been on the systematic design and testing of the software contained in embedded systems using formal or mathematical modelling techniques. His research focuses on making it easier to develop complex embedded software for smart homes, factories and cities in a not-so-distant future.

In 2015, Roopak visited Aalto University in Finland and worked with Professor Valeriy Vyatkin's research group, focusing on systematic *requirements management* for highly distributed embedded software used in large industrial process control systems. Requirements state what a system must do, and managing the enormous number of requirements for industrial process control systems using traditional, informal document-based methods, just does not work. Through this research, the team were able to show that using formal and semi-formal techniques and related tools, requirements management can be systematized, and testing time and effort can be reduced significantly by automating the generation of test-cases.

At AUT, Roopak has taken this project forward with post-graduate students Barry Dowdeswell and Awais Tanveer (whose research was funded by a 2015 DCT mid-career award) to address challenges in *tracing* requirements to the parts of software code that is written later to satisfy the requirements.

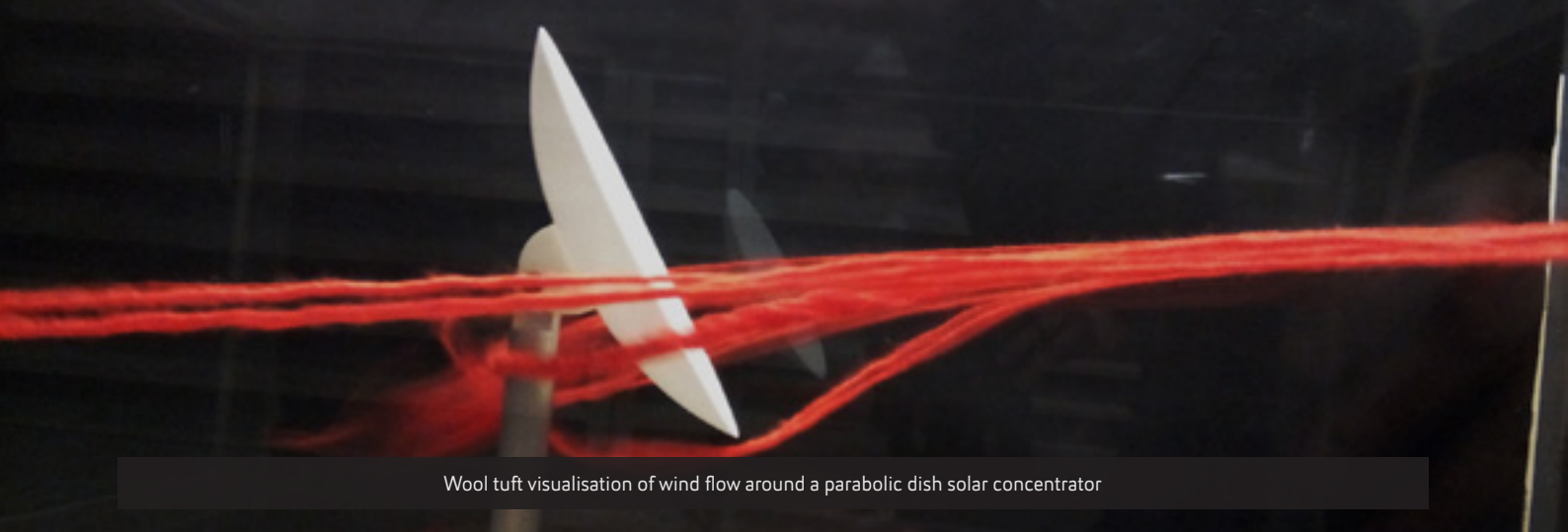
This research direction has yielded several high quality peer-reviewed conference and journal papers in 2015. The team is now looking at getting industry input in creating industry-ready tools that can be used in the New Zealand context.

Roopak's other works include the hierarchical design of industrial control software which results in more compact, faster, and easier to maintain code. This work has been published in IEEE Transaction on Industrial Informatics, listed as one of the top100 journals in the world by Google Scholar. Roopak has also been working with Tru-Test, a leading NZ company developing embedded solutions for the farming sector, to make embedded software code easier to develop, maintain and evolve. This work has been supported by a Tru-Test/Callaghan Innovation grant in 2015-2016. Roopak has been working with AUT colleagues Dr Kenneth Johnson and Dr Ji Ruan, to look at how large distributed embedded software can adapt automatically when problems or changes occur while it is running. This helps in reducing the impact of disruptions. Roopak is also working with Professor John Grundy's group at Deakin University, Melbourne, and with Associate Professor Dave Parry at AUT, on deploying mobile apps that can seamlessly interact with smart homes and help patients with in-home rehabilitation. A part of this project was funded by a summer project grant by the AUT's Centre for eHealth. Finally, Roopak and Associate Professor Hamid Gholam Hosseini co-supervise Shereen Afifi's PhD research on cost-effective hand-held embedded devices for faster and early detection of melanoma.

Roopak's other research-related activities in 2015 involved serving as the Organizing Chair of IEEE International Symposium on Real-Time Computing (ISORC) held at AUT in April 2015, and as a program committee member for several conferences, including IEEE INDIN and ETFA. He was also invited to become the only NZ-based member of the IEEE Technical Committee on Industrial Informatics (TCII) and to chair the TCII Sub-Committee on Formal methods in Industrial Informatics. He is also the only NZ-based member of international working group of the IEEE P2660.1 Standard "*Recommendation practices on industrial agents: integration of software agents and low level automation functions.*"

Dr Sinha also completed a Master in Commercialisation and Entrepreneurship degree in 2015, which will enable him to work more closely with industrial partners.

ENGINEERING



Wool tuft visualisation of wind flow around a parabolic dish solar concentrator

LIVING IN A WORLD OF CONVECTION HEAT TRANSFER

Contributed by Dr Timothy Anderson

The frigid blast of a southerly on your face on a brisk winter morning, a cool dip at the beach on a scorching summer day, the whistling sound of a kettle heralding the arrival of your morning coffee – everyday events linked by a common theme: convection heat transfer. Like many aspects of the physical sciences, convection heat transfer has a long history steeped in empirical observations and developments; from the ancient wind catchers of Persian buildings designed to harness the cooling breeze to the observations of fluid motion by Leonardo da Vinci.

The history of modern convection heat transfer, however, is much shorter and can be traced back to Newton's attempts to define an extended temperature scale (c1700). In this work he observed a relationship for the change in the temperature of a body with time and advocated for a law of cooling. Fast forward several hundred years, and Newton's work has delivered what is now often referred to as Newton's Law of Cooling:

$$q = h\Delta T$$

In this relationship the heat flux from a surface (q) is linked to the temperature difference between the surface and a fluid (ΔT) by means of a proportionality constant termed the convective heat transfer coefficient (h).

It is the mere mention of convective heat transfer coefficients that can strike fear into even the most hardened of engineers and scientists who desire certainty. Lying within this innocuous looking term, of an apparently simple equation, lies a scientific can of worms involving boundary layers, flow transitions, separations, mixing and turbulence that throw certainty out the window. It is about this time that most people would opt for a cup of tea and a good lie down; however for Dr Timothy Anderson in the Department of Mechanical Engineering, this is where things start to heat up.

In particular, Dr Anderson is interested in how convection heat transfer may impact the performance of a range of technologies such as modern low energy buildings, thermal storage systems, solar water heaters, desalination systems and large concentrating solar thermal power stations.

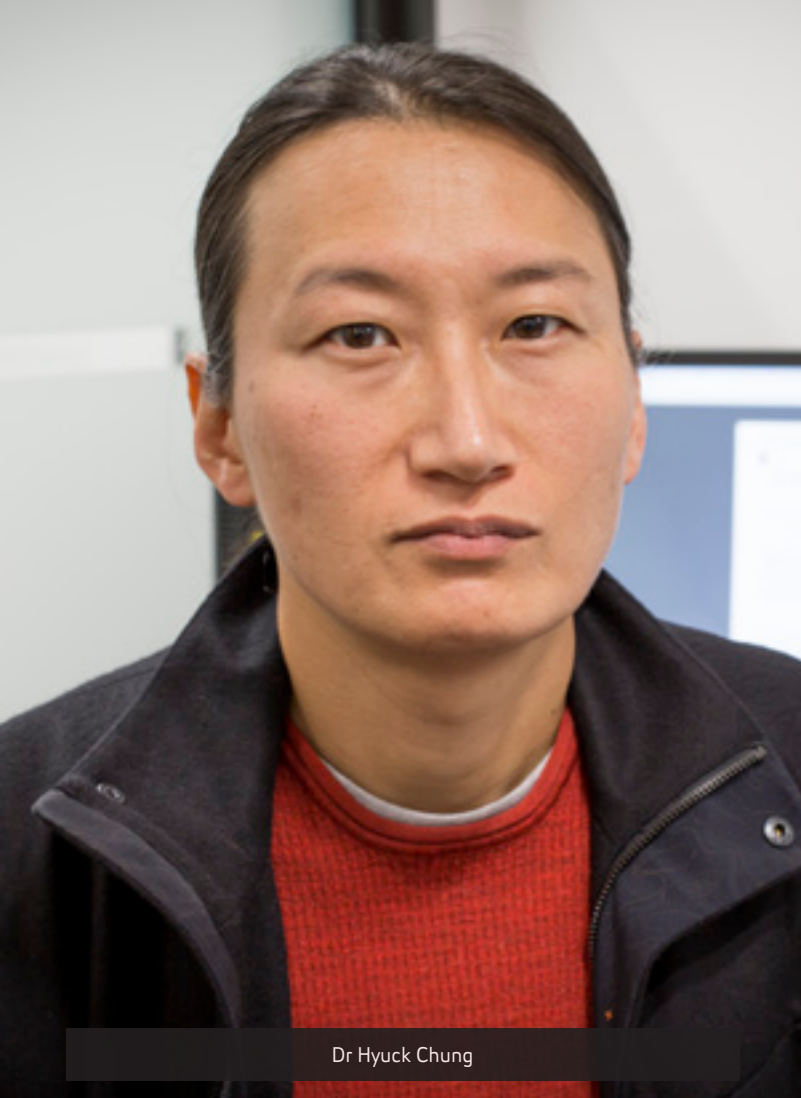
As the 21st century unfolds, many of these devices will become more commonplace and at the heart of each lies the challenge of improving the conversion of energy and controlling heat transfer by convection.

To tackle these challenges, Dr Anderson, his colleagues and research students utilise both the latest numerical and experimental techniques. One such project is the development of a solar desalination system by PhD student Reza Enayatollahi, under the guidance of Dr Roy Nates and Dr Anderson, in which the heat transferred from a sheet of falling liquid to a stream of air passing through it has been quantified. As the first study of its kind, it has shown that a number of flow structures can be observed in such an arrangement, and has developed a series of relationships to describe the convective heat transfer.

Similarly, in another recent project, Dr Anderson has been working with Dr Stuart Norris of the University of Auckland on how openings in enclosures influence the convective heat loss from them. In this work they have utilised a combination of numerical modelling and experimental measurements of the low velocity convective flows and have begun to make inroads into understanding how the phenomena might impact future design practices in the built environment.

Most recently, PhD student Muhammad Uzair working under the guidance of Dr Anderson and Dr Nates has utilised numerical simulations and experiments to understand the wind-induced convective heat loss from high concentration ratio parabolic dish solar collectors for power generation. In this world-leading research, the team have shown that the wake of the parabolic dish can reduce heat loss from these systems by nearly 25%. This work will allow future models of such systems to predict more accurately their power output and so reduce their construction costs.

So the next time you feel a cold draught in the night or receive a shockingly large electricity bill, remind yourself that these are all artefacts of convection heat transfer, and that at least someone at AUT is trying to do something about it.



Dr Hyuck Chung

WAVE SCIENCES IN INDUSTRIAL AND ENVIRONMENTAL APPLICATIONS

Contributed by Dr Hyuck Chung

For the past few years, Hyuck has been working in the areas of water wave and sound wave propagation in various media. The theoretical and experimental research in water waves is used in coastal engineering and environmental studies around the Arctic and Antarctic oceans. The research on sound waves has applications in day to day lives, for example, improving the sound insulation performance of wall panels without increasing their mass. These studies require collaborations with researchers in engineering and mathematics, and end-users of the theoretical and experimental results. In 2015, Hyuck attended and organized a few conferences, which furthered the research he and his collaborators have developed. In July, Hyuck and his German colleague Dr Malte Peter organized a mini-symposium at the WAVES conference in Karlsruhe, Germany. Five invited speakers from Europe and the US presented topics in theoretical modelling of the wave propagation in water and air. All participants have been working in the field for over a decade and had many collaborations over the years.

The meeting was a good place to exchange ideas and see the current state of the research. In December 2015, a conference on waves sciences, KOZWAVES (Australasian-KiwiOz conference on wave sciences), was held at the University of Adelaide, of which Hyuck was a member of the organizing committee. This conference series was created to give the wave-science researchers in Australia and NZ an opportunity to gather and exchange their latest findings and insights in the area without the need to travel to Europe or North America. At the meeting, it was decided that the next conference would be organized by Hyuck and held at AUT in February 2018.

In addition to the academic activities, Hyuck has been working with the engineering consulting firm Marshall Day Acoustics (MDA), to improve their software package for sound insulation performance prediction. This working relation has led to an ongoing consulting contract between MDA and Hyuck in 2015. In the past, this collaboration led to an improved prediction software package for studded panels commonly found in roofs or exterior walls. They are currently working on improving the software for predicting sound insulation performance of studded double walls.

Hyuck's involvement in conferences in Australia over the years has led to a collaboration with Associate Professor Nicole Kessissoglou from the School of Mechanical and Manufacturing Engineering, University of New South Wales. They are currently studying the sound absorption by sonic crystals, which is a collection of cylindrical objects, such as metal pipes, arranged to scatter sound waves and reflect or disperse the sound away. Hyuck and Dr Fabien Montiel from the University of Otago have been able to incorporate slotted pipes that have a C-shaped cross section, which gives wider range of sound blocking ability to a sonic crystal. These sonic crystals are considered as noise barriers along railway lines or motor ways.

Research in water waves has a larger scope than research in sound waves, particularly the studies of the long wave propagation. Many of the researchers at KOZWAVES are involved in large-scale wave and climate modelling projects. Dr Luke Bennetts of the University of Adelaide and Hyuck have been working on the long wave propagation over varying seabed geometry. It has been known that the wave energy becomes attenuated over irregularly shaped seabed, but the precise mechanism of this phenomenon is yet to be found. Hyuck and colleagues have been able to show that some attenuation results obtained from existing models are artificial creations of statistics and could not be observed in real life experiments.

Dr Chung's research activities in 2015 were typically collaborations with various researchers from several disciplines including the Bayesian statistics expert Dr Kate Lee, who also teaches at AUT. Many mathematical models of waves have an aspect of uncertainty that may only have stochastic estimates. One of the promising tools for understanding such uncertainty models is the Bayesian inference, and Dr Lee and Hyuck are working on this together, focusing on structural dynamics and hidden defects that can affect the performance of the finished products.



Professor Steve Henry (photo is courtesy of the NZ Innovation Council 2016)

CREATIVE COLLISIONS: AN INTERVIEW WITH PROFESSOR STEPHEN HENRY

Contributed by Anne French

In 2015, Professor Steve Henry won the *Supreme Innovator's Award* as CEO and CSO of Kode Biotech, a company he founded in 1996. The award capped off a great year, in which he also closed a multi-million-dollar deal with a UK-based pharmaceutical company. In 2011, he won the *Royal Society's RJ Scott Medal for Engineering Science and Technology*, an award that places him in the company of New Zealand's finest applied scientists and engineers.

Steve Henry admits he's not a typical academic. Equally at home in business and academia, he runs Kode Biotech alongside his academic work. At AUT he is part of the Centre for Kode Technology Innovation, a research centre within the School of Engineering, Computer and Mathematical Sciences, where he supervises eight PhD students. This AUT centre has recently appointed a professor in Molecular Engineering, a Russian 'with an h-index of 48 and >400 academic papers' and the co-inventor of Kode Technology. Their vision is to develop advanced chemical engineering within the School, together with the Head of School, Professor Enrico Haemmerle who is the Director of this Centre.

No one who met Steve as a schoolboy, delivering meat for the local butcher to earn his pocket money, would have guessed the shape his career would take. Growing up in 'a poor family', Steve's commercial nous was to the fore. He remembers negotiating with his parents to paint the house for money – excellent preparation for a career in business.

'I've always had a full-time job while I was studying.' Steve started tertiary study at ATL in 1979, as a medical lab scientist. It was 'five-year apprenticeship training', and Steve mostly trained on the job, working at Greenlane Hospital and the NZ Blood Service. Then he decided he needed a university qualification. He had already published 11 peer-reviewed journal papers, and he had the good fortune to encounter Professor Roy Geddes at the University of Auckland, who admitted him to the Masters programme, despite the fact he had no first degree, just his NZCS (paramedical) from AIT, a Diploma in Medical Lab Technology, and two Immunohaematology Certificates from the NZ Medical Laboratory Technologist Board.

Despite holding down a full-time job and bringing up a family, Steve did well in the Biochemistry Masters, finishing in two years with First Class Honours in 1991. The next logical step appeared to be a PhD in Biochemistry – and it was during his PhD study at the University of Auckland that he started to meet interesting overseas colleagues, from France and Sweden. After completing his first PhD in 1993 he was invited to go to Sweden, so in 1994 he ‘packed up his family’ and went – only to discover that the only way to be supported was to undertake a second PhD, this time in the Faculty of Medicine at the University of Gothenburg, followed by a postdoc in molecular biology.

By 1996 he was thinking about returning to New Zealand to set up a company. At a scientific meeting in Seattle, he heard a familiar Scottish accent in the crowd. It was Professor Roy Geddes, who told him that AIT was trying to become a university, and he had moved across from the University of Auckland to lend a hand. Roy encouraged him to return, and undertook to find some funding to support him, so Steve shipped the family back home and started the company in his garage and on a back bench in B-block.

‘I would turn up on a Monday morning, and Roy would say, “Good news! I’ve found you another month’s worth of money.” It went on like that for a year or so. I picked up odd bits of teaching. Week by week, month by month, but I was never worried about it. It was random money, but it was continuous.’ The position became more stable and eventually Steve was appointed Associate Professor in 1998 – one of the four original Professors of AUT.

Despite the hand-to-mouth funding of the first year, Steve has found AUT to be the perfect place to base Kode Biotech, the company. ‘The management back then (and now), was well aware of what I was doing, and understood the need for Kode to control both its IP and commercialisation, and executed a simple MoU that allowed Kode Biotech to operate autonomously within the walls of AUT. That’s why I’m at AUT – because AUT is smart enough to accept different business models.’

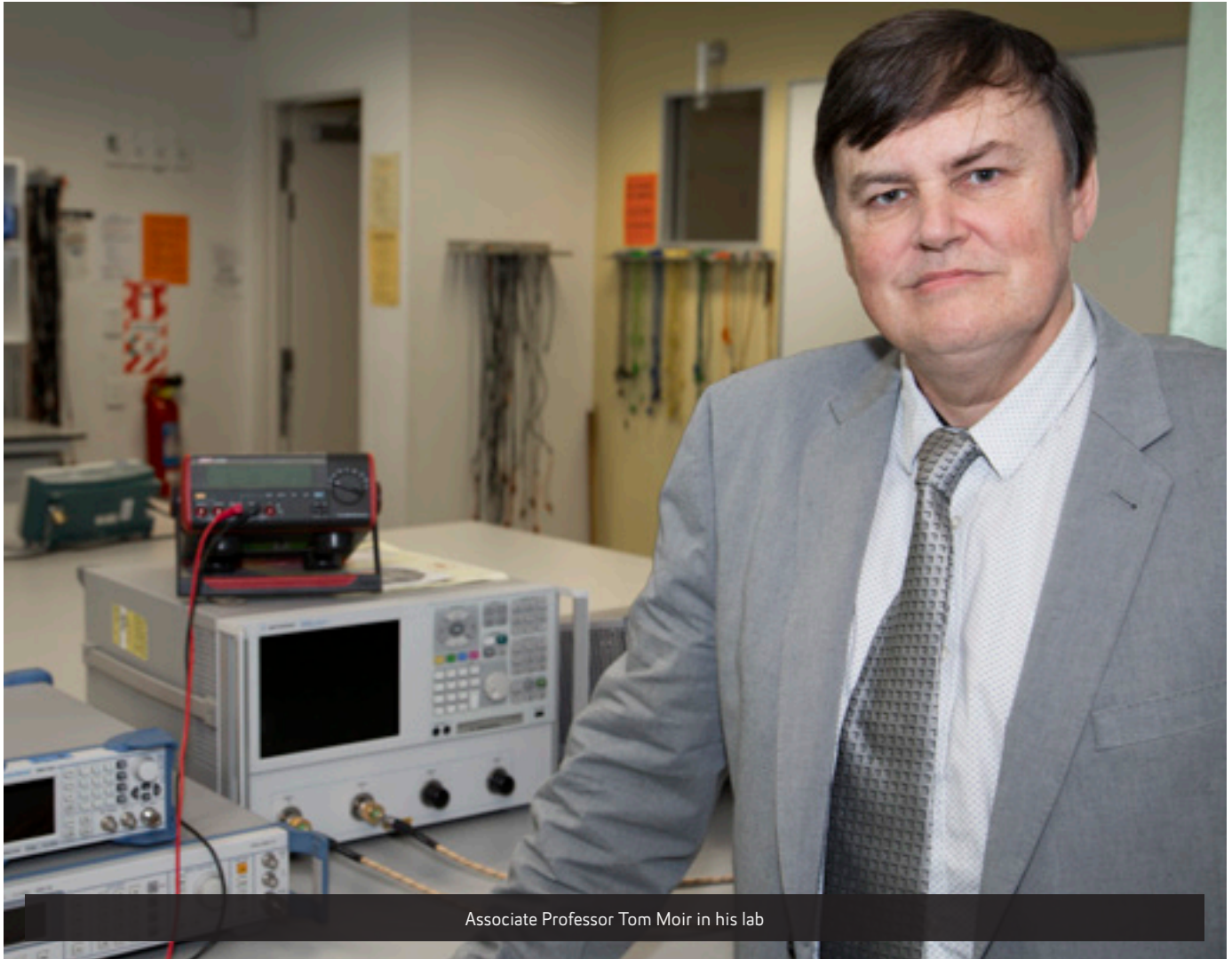
Over time, Steve has become more of a businessman and less of a scientist, but insists it’s ‘just a change in ratio and skill basis’. His name is on 180 patents (28 patent families), most of which are related to each other and to Kode. ‘Kode is an IP company. Our model is all about licensing Kode Technology IP. Today Kode Biotech does not do any research and instead we get it done by AUT.’ One licensing example is the deal with UK-based Agalimmune, said to be worth \$44 million in development and sales milestones for a treatment for solid cancers, with a potential annual royalty stream in the tens of millions. Kode’s molecules will be used to ‘label’ the outside of a tumour, enabling the body’s immune system to recognise and kill other tumours. The technology is due to go into human clinical trials in 2016. Another deal, with a French pharma company, is a collaboration to develop a new drug delivery product for oncology drugs. Several new licensing deals with Big Pharma are currently under negotiation.

‘The way to work with Big Pharma is to understand Big Pharma. Often Big Pharma wants others to do the invention (R&D), and then for them to do the innovation (the conversion of our R&D into their product). Therefore our business model is to license to them our novel technology that will either improve their existing products or create new products.

Steve has some advice for inexperienced inventors. ‘The biggest mistake people make is to over-estimate the value of what they have. I know how many steps are still to be done. Commercialisation is at least 85% of the job.’

This kind of insight is invaluable to young engineers. Steve teaches a paper called ‘Innovation Management’, so that students can learn how to do innovation and learn the practice from someone who has actually done it. Post-graduate students, he says, ‘are hungry for it, but generally have no idea of what to do.’ The key to success in business is communication and being able to network. ‘Business is all about communication and relationships – something many of us are not good at’.

DCT is more than a hospitable home – it is a fertile ground for creative collisions. Steve is enthusiastic about the concept of the Faculty. ‘I love the concept, but we still need to push people (staff and students) out of their boxes. We need to get Art people and Communication people working in here with engineers. I want to see people and disciplines mixed up and mashed up, out of their comfort zones. We need more of what Enrico calls “creative collisions”!’



Associate Professor Tom Moir in his lab

RANDOM SIGNALS AND NOISE

Contributed by Associate Professor Tom Moir

Associate Professor Tom Moir began his post PhD research in 1983 at the University of Strathclyde in Glasgow, Scotland. He worked in the Industrial Control Unit which had just been set up at the time. At that time he was working in a team designing new methods of controlling dynamic positioning of vessels in the North Sea. Such work had emerged in the 1960s with the pioneering research of Rudolf E. Kálmán with his famous Kalman control and estimation methods that had been used in many military applications and the race to the moon. Kalman had built on the earlier work during World War II of a famous mathematician and prodigy Norbert Wiener.

It was a different time from today in terms of research and many younger people entering the stage should reflect on how easy it is today compared with those earlier days. Research engineers relied on main-frame computers and later mini-computers and programmed all simulations themselves from the ground up. Very little software was available to help you (Matlab had not been invented, there were no personal computers and all programming was text-based with no data-flow languages). The internet existed, but there was no world-wide web to find publications. You carefully watched when the latest editions of journals in your field came out and poured through them in the library. Computer searches via the Institute of Electrical Engineers (IEE) INSPEC software (now IEEE Xplore) was available at a price – on a per search basis! Normally you got only one chance, one search was all you could afford.

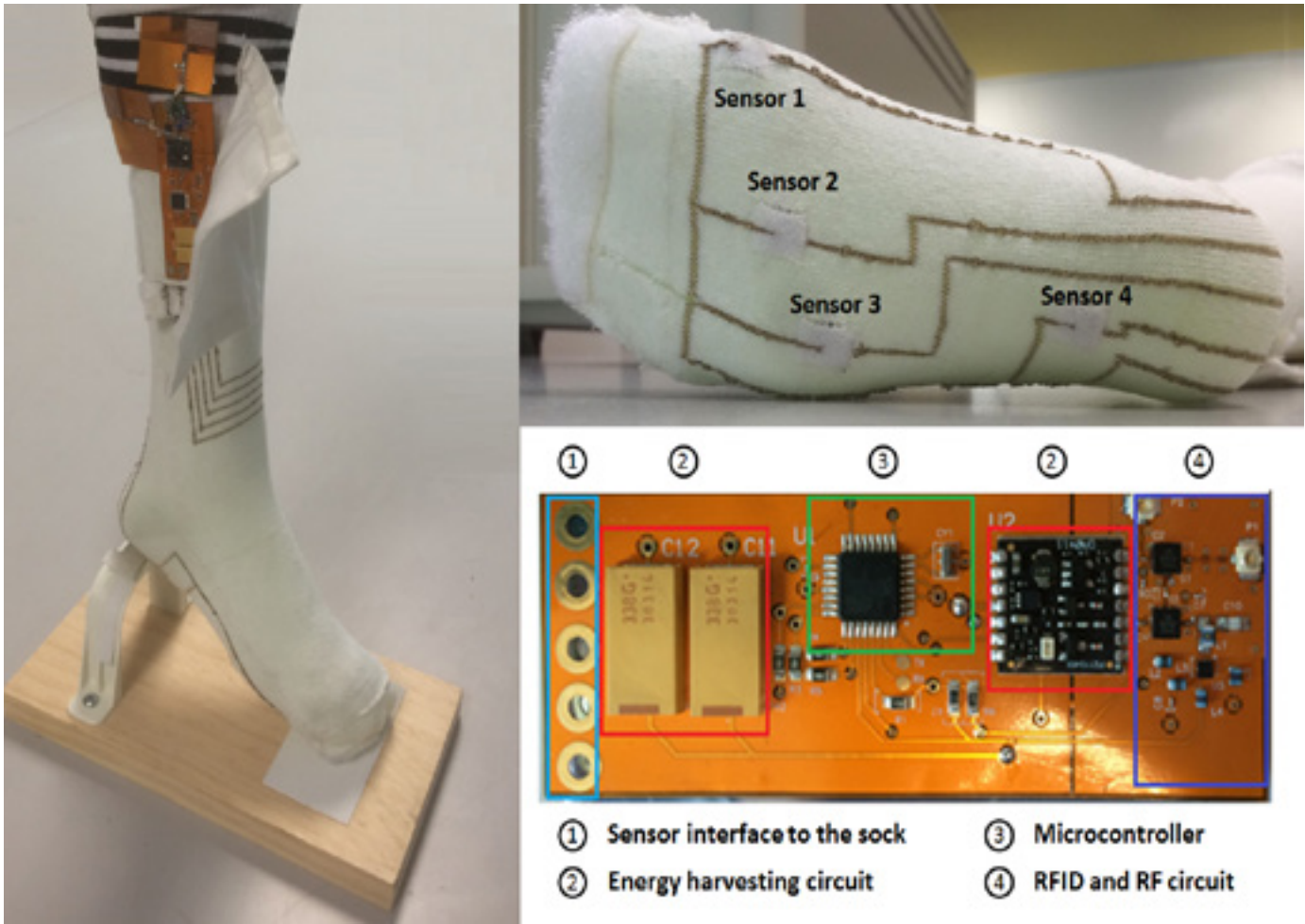
Dr Moir has worked in a wide variety of areas associated with mathematical techniques in control engineering. The early Kalman work showed that filtering was the mathematical dual of the control problem and hence many people worked on filtering as well as control problems. Dr Moir worked on early polynomial based deconvolution filters and smoothers and adaptive state-variable control, writing papers with colleagues which attempted to unify the theory of filtering and control in the frequency domain. He later moved more formally into signal processing doing less work on control systems. The processing of random signals is an important area and has applications in such areas as speech-recognition, filtering noise from speech, channel equalisation in communication telephony and adaptive echo-cancellation. The seeds of our modern communication and information revolution were planted a very long time ago, as far back as the 1940s and the mathematical techniques used often go back centuries. Much of the theory was available long before the hardware could handle it.

Capitalising on his earlier work in control systems, Dr Moir worked with an older engineer who founded his own company in Scotland known as Ampsys Electronics Ltd. There they worked on new methods of reducing multi-path interference in ordinary FM radio.

These methods were based on a new invention, the Amplitude Locked Loop. Later moving from Scotland to Auckland, he continued work on signal processing, particularly in the link between control systems and adaptive algorithms (which all have feedback around them). By that time the level of bench based computing was getting to the stage where some of the earlier algorithms of twenty years previous were getting within the grasp of running in real-time operating systems. The rise of Matlab and in particular the data-flow based LabView made such implementation far easier than before. National Instruments LabView made programming field programmable gate-arrays (FPGAs) within the grasp of most ordinary engineers and tests on adaptive algorithms were relatively easy to perform. Whilst at Massey University Dr Moir investigated the low-frequency humming noise that has been known since the 1970s in Auckland. He is known as the first person to capture the noise which many people around the world recognise as being similar to what they hear on a daily basis. He also investigated smart-house technology and the use of artificial intelligence and speech recognition to control the house environment and devices.

Since moving to AUT in 2012, Dr Moir and Roneel Sharan (a former PhD student) had been working in the fairly new area of sound recognition. Sound recognition is a machine that can classify different genres of sounds. These sounds can arise from a variety of different sources. In the current literature, researchers have examined areas as diverse as sounds in nature (for example bird sounds), medical applications (sounds of the heart), recognition of musical sound tracks and Sharan's PhD study on security and surveillance (sounds of a burglar, gunshots, screams, footsteps, breaking glass etc.). For machine learning, a large corpus of sounds is required first before work can begin. Dr Sharan used the BBC sound effects library and sounds from the Real World Computing Partnerships (RWCP). Using common data sets such as this, enables work across the world to be compared accurately. Dr Sharan obtained a good number of high ranking publications from his work and completed his PhD (including viva) in 2.5 years. Dr Sharan did not just look at ordinary classification of sounds, but also at the effect of additive noise on the performance of such algorithms. This is the more difficult part of all such algorithms since they work well in clean (no additive noise) environments but begin to deteriorate under noisy conditions.

The future is bright for such research as its applications are numerous and it is relatively cheap to perform. Dr Moir has been a researcher for over 33 years and every new discovery or development is still exciting as it was in the early days.



Smart sock equipped with fabric antenna that functions as a human body temperature sensor, in addition to being a normal antenna that communicates over 5G communication networks

INFORMATION AND COMMUNICATION TECHNOLOGIES

Contributed by Dr Boon-Chong Seet

The research activities of Dr Boon-Chong Seet have spanned the fields of information and communication technologies (ICT), including sensing, computing, networking, and communications. His current research is focused on the emerging fields of smart textile technologies and 5th generation (5G) communication systems.

A recent highlight is the successful development of a piezo-resistive textile pressure sensor, which exhibits a wide detection range and can be integrally embedded in regular fabric. An array of the developed sensor along with other electronics was subsequently employed in a “smart sock” application to assist in the early-detection of abnormal foot pressure changes for diabetic patients. This was a collaborative project on Electronic Textiles with colleagues from the AUT Textile Design Lab and Health and Rehabilitation Research Institute. During the 2015 Smart Textile Symposium at AUT, a complete smart sock prototype with radio frequency (RF) energy harvesting for battery-free operation was showcased by the team, which attracted much attention and queries from the attendees, including NZ designers, material scientists, electronics engineers, and company representatives. In addition, the design and characterization results of the developed textile pressure sensor were published in the reputable IEEE *Sensors* journal.

Another direction of Dr Seet’s research in smart textiles is the development of textile-based RF structures such as antennas, coplanar waveguides, and frequency selective surfaces, engineered to operate at millimeter-wave (mmWave) bands to support future 5G communication systems. Since they are constructed from soft conductors (e.g. conductive yarns, liquid metals) and textile substrates, these RF structures are well-suited for implementing in wireless sub-systems of wearable applications, i.e. due to their flexibility they adapt well to the human body and their softness allows for comfort wearing. By designing for mmWave, the wearable systems can communicate over the ubiquitous and high bandwidth 5G mobile networks. Thus far, the team has successfully designed a fabric antenna that can function as a human body temperature sensor, in addition to being a normal antenna that communicates over 5G frequency bands. Imagine a garment embedded with the developed fabric antenna that non-intrusively detects and communicates the wearer’s body temperature to his/her care giver. Due to its relatively high quality (Q) factor, the antenna’s resonant frequency is sensitive to even small variations in the substrate’s dielectric constant induced by the narrow range of temperature changes (within few degrees from normal body temperature) of the human body. The development of mmWave RF structures have been facilitated by recent CAPEX investments on the necessary research facilities such as the vector network analyser and RF anechoic chamber.

In order to meet the capacity demands of future 5G systems, achieving high spectrum usage efficiency is critical. A research project that commenced in 2015 and will continue over the next few years is the multi-user interference estimation and data decoding for Non-Orthogonal Multiple Access (NOMA) systems. NOMA is a technique for boosting 5G system capacity by combining signals from multiple users in power domain and separating them at receiver through interference cancellation. Hence, NOMA can enable more users to communicate simultaneously than other techniques known today. By minimising the impact of multi-user interference within the NOMA signal during data decoding, the receiver performance can be improved. Towards this end, the project team recently proposed a new receiver structure based on parallel interference cancellation that alleviates several performance limiting factors posed by current receiver designs for downlink NOMA. This work attracted much attention from international researchers when it was presented by Dr Seet at the IEEE-sponsored 10th International Conference on Information, Communications, and Signal Processing (ICICSP), and was nominated for best paper award.

The Year 2015 also marked the conclusion of a three-year (2012–2015) collaborative project between Dr Seet and his colleagues at University of British Columbia (UBC), Canada, on vehicular social networks (VSNs) – a class of mobile social networks involving road users for Intelligent Transportation System (ITS) applications. Dr Seet was invited to participate and share his expertise on vehicular networking in the project following his sabbatical leave at UBC in 2011. The project ended on a high note with a joint publication on a proposed agent-based framework to support context-aware applications for VSNs with his UBC colleagues and other collaborators from Shanghai Jiaotong University and Hong Kong Polytechnic University, in the IEEE Transactions on Emerging Topics in Computing. Dr Seet hopes to re-establish his collaboration with UBC when he hosts a three-week visit by a UBC professor to AUT in the second half of 2016.

Dr Seet was the recipient of the 2015 *Dean’s Award for Research Excellence* and a finalist (one of two) in the Vice-Chancellor award for postgraduate research supervision.



Dr White discussing nebulisation device details with Operations coordinator Anushka Verma

THE PATIENT AND DEVICE ASSEMBLAGE: BIOMEDICAL ENGINEERING THROUGH A DESIGN LENS

Contributed by Dr David White

Over 2,000 years ago, Hippocrates, the founding father of modern medicine, first noted the nasal cycle, where each nasal airway takes turns at passing more air through one nostril than the other. This trait is found in all mammals, but why it occurs has remained a mystery until 2015 when Dr David White, Director of the BioDesign Lab, identified its functional purpose. While this discovery was made as part of a larger investigation into nasal airway drying during pressurised breathing, it serves to demonstrate the benefits of the design methodology being employed within the BioDesign Lab.

Breathing is an essential part of human life which we tend not to think too much about and yet as many as 25% of the population experience sleep apnoea, a condition where breathing ceases for extended periods during sleep. Loud snoring is often the first risk indicator of airway closure which occurs when throat muscles become relaxed during sleep and is typically of more concern to a bedpartner. Deterioration in this condition commonly leads to repeated periods of full blown choking which is termed obstructive sleep apnoea (OSA). During sleep, OSA sufferers need to partially awaken to activate muscles to unblock their airway so that their breathing can recommence.

Surprisingly it is not the repeated choking episodes but the continual sleep disturbances that lead to serious health conditions, such as obesity, hypertension, heart attack, stroke and Type 2 diabetes. Sufferers also experience extreme daytime sleepiness and are more prone to employment and motor vehicle accidents.

The gold-standard of treatment for OSA is continuous positive air pressure (CPAP) therapy. This treatment requires the patient to wear a face or nasal mask that delivers pressurised air during sleep so that their airways remain open throughout the night. Despite its efficacy, around 75% of CPAP patients use this therapy for less than four hours per night and around 50% discontinue long-term use completely.

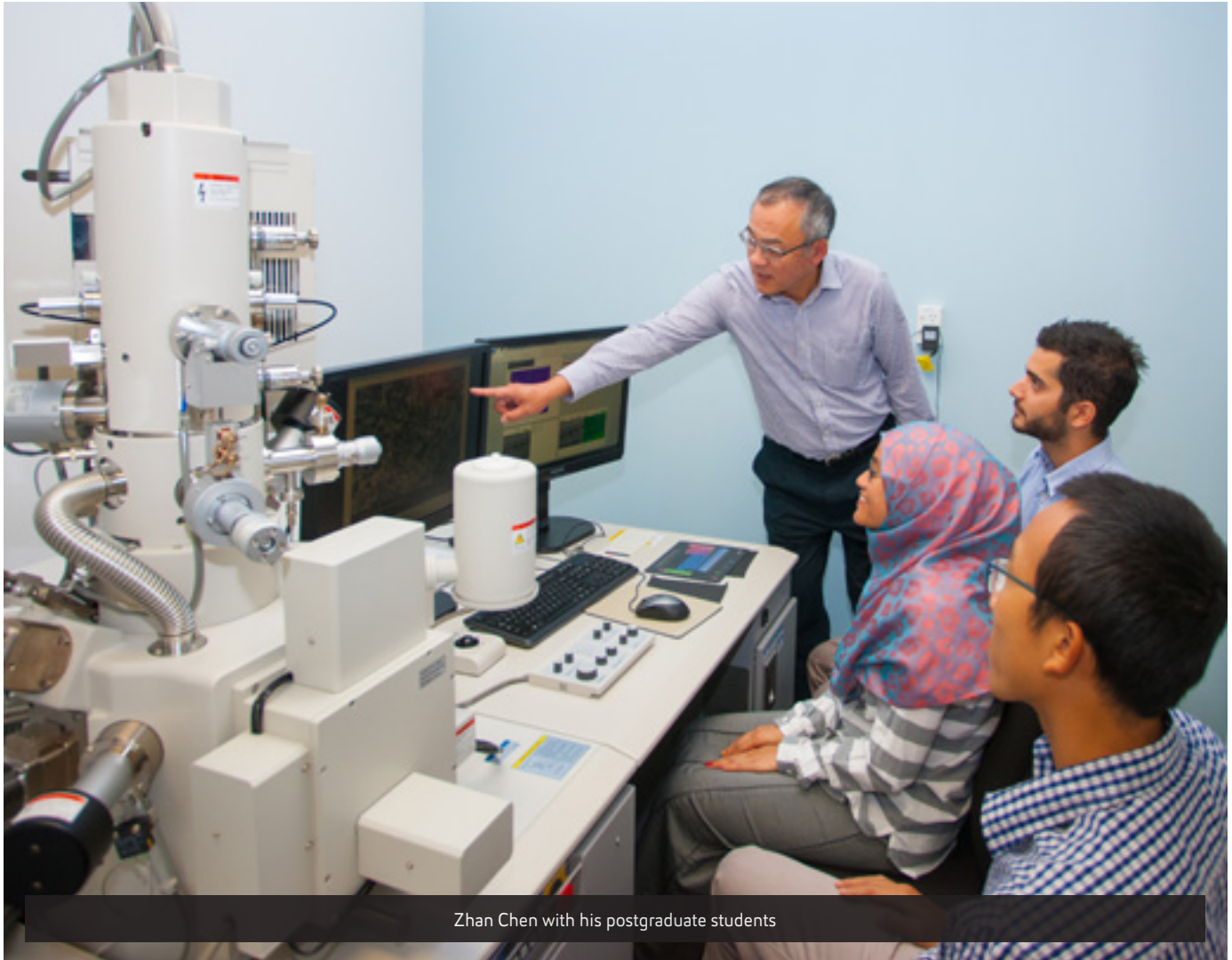
Airway drying is currently thought to be the reason for poor adherence to CPAP treatment but the root cause of this has eluded researchers and the medical device industry for over 30 years.

The challenge to understand the source of airway drying was picked up by Dr White who has taken a design-centric approach to solve this mystery. This required the use of a design philosophy which considers the medical device and patient as an assemblage rather than two individual components. Viewing the design challenge in this way has come from within Dr White's larger inter-faculty research network that spans the AUT's Design for Health & Wellbeing Lab, Psychophysiology Lab and the Centre for Person Centred Research.

Working closely with clinicians and patients, Dr White has developed a computational air-conditioning model of the human nose and CPAP device that predicts change in nasal physiology during nasal breathing of both ambient and pressurised air. From this it was possible to get new insights into the functional purpose of the nasal cycle and resultant pathophysiology during pressurised breathing.

Other research collaborations have enabled a new type of breathing therapy to be developed that overcomes airway drying and improves treatment adherence. After some initial prototypes of the new breathing device were developed, Dr White received support and funding from AUT Enterprises Ltd (AUTEL) to commercialise this technology. Further co-funding from the Health Innovation Hub, KiwiNet and AUT will support a clinical sleep study that will provide evidence of the clinical efficacy of this new technology.

Other adaptations of this breathing platform have enabled research collaborations across and beyond AUT, investigating the role breathing has on other physiological and neurological body systems. This work has enjoyed the support of AUT by the Strategic Research Innovation Funding (SRIF) and Dr White hopes that this technology may provide a non-pharmaceutical and non-surgical alternative to current treatments used for many common ailments, such as stroke and Alzheimer's disease.



Zhan Chen with his postgraduate students

UNLOCKING METAL ADDITIVE MANUFACTURING

Contributed by Professor Zhan Chen, Head of Research at the School

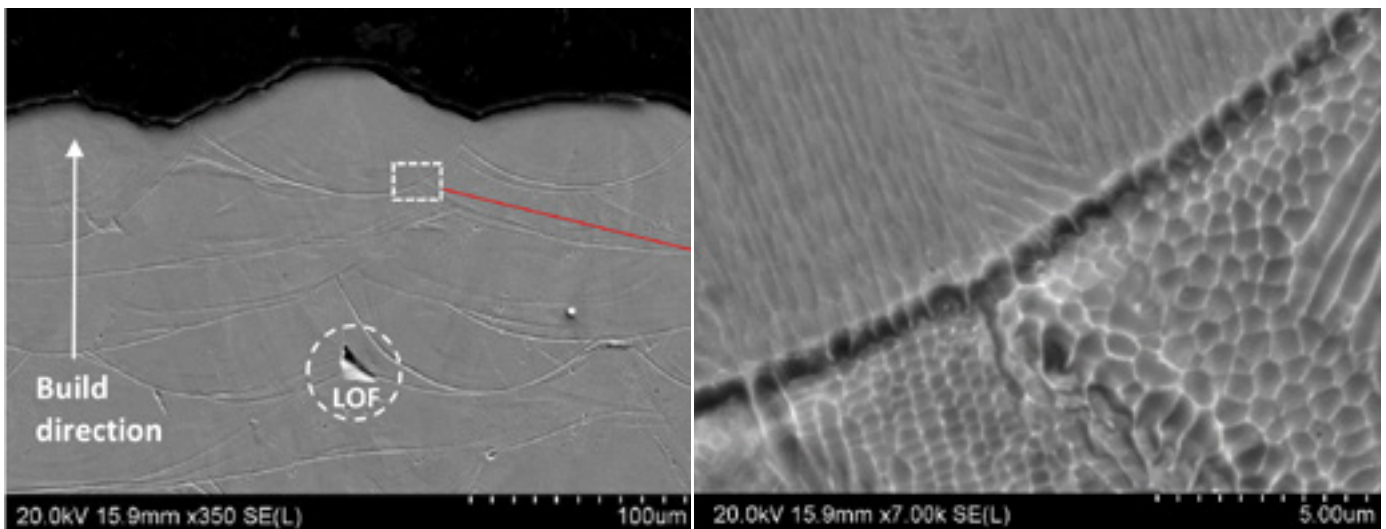
Professor Chen studies how materials behave during processing/manufacturing and materials performance in service. For a number of years, he has been conducting research with his students on two thermomechanical related processes, friction stir welding/processing of various alloys and machining of difficult-to-cut materials. In the last 20 months, however, Professor Chen has been moving deeper and deeper into metal additive manufacturing (AM) research. His past and strong research experience in solidification, welding metallurgy and material performances are valuable and relevant for studying the various physical and metallurgical phenomena in the field of metal AM.

Metal AM, which is the industrial term for 3D printing of metal, is capable of producing parts of very high shape complexity. However, unlike polymer 3D printing, the adoption of metal AM has not been widespread due to a number of barriers. The most serious of these currently is perhaps the lack of certainty about the quality and reliability of metal AM parts, due to the complex processing science of metal AM not yet fully understood. Worldwide, extensive research efforts are being directed toward understanding how AM build parameters affect the behaviours of the very small and fast 'moving' melt pools that form during the build process, their solidification and subsequent phase transformation behaviour, and how these factors relate to quality and material properties. Not until these challenges are overcome will the enormous potential of metal AM be widely fulfilled.

AM is an AUT research theme and one of the primary objectives of this theme is to assist NZ industry to develop capabilities of and capture the benefits of AM technologies. Overcoming the challenges of producing metal AM parts of high quality and excellent properties is currently a much needed effort for metal AM to be applied widely. Knowledge on the various causes of defect formation and the complex thermal field dependent microstructure formation during metal AM are crucial for developing capabilities for process control for quality and property requirements.

Professor Chen and his PhD students are currently studying:

- defect formation mechanisms and elimination/minimization,
- microstructure formation/evolution and favourable AM strategies, and
- mechanical behaviours affected by AM specified structures.



Scanning electron micrographs of CoCrMo biomedical alloy processed by selective laser melting (SLM), currently a major metal additive manufacturing process, using parameters recommended by machine supplier. A defect (lack of fusion, LOF) is circled. The high magnification micrograph on the right displays epitaxial (cellular) grain growth from a fusion boundary (FB) into the new track. Note that in FB a new cell can grow in a direction different from the one in the previous track. The reason for this is the difference in heat flow directions during SLM due to the use of different laser scanning direction after each layer building. Crystal growth can then follow another preferred, but equivalent, orientation that is close to the heat flow direction.

RESEARCH OUTPUTS
COMPLETED RESEARCH DEGREES

MASTER DEGREES 2015

ART AND DESIGN - MASTER OF ART AND DESIGN

Name	Date granted	Thesis title	Supervisor
Alex Plumb	30/07/15	Topographies of the self: a community of others	I. Jervis
Charlotte Jane Murdoch Drayton	30/07/15	Flexible Spaces for Happy People (almost, almost)	M. Redmond
Colin Nairn	30/07/15	As normal: an art exploration of the gendered self	I. Jervis
Diya Liu	17/12/15	Baling Hou	D. Sinfield
Donna Dinsdale	30/07/15	Something old, Something new, something borrowed, something true... An exploration of wedding attire through a personal bi-cultural sensibility	K. Fraser
Ekarasa Doblanovic	30/07/15	Colour Action: An Exploration of Values and Shifting Modes in Painting	A. Thomson
Hannah Alleyne	30/07/15	Traversing Memory: The Last Days of the Old Mangere Bridge	S. Hedges
Hyun Jin Yun	30/07/15	3D Machine Knitting: Composite Forms and Illumination	M. Smith
Jason McCormick	30/07/15	This Was Now Here!	D. Jansen
Kirsten Fitzsimons	30/07/15	Wonder Lux	M. Redmond
Lucy Meyle	30/07/15	No Longer / Not Yet - Lacuna and Dissemination in Practice	J. Randerson
Philippa Nielsen	17/12/15	Impossible to Prove	A. Thomson
Rene Burton	17/12/15	A Creative Consideration of Climate Adaptation as a Social and Ecological Palimpsest	W. Ings
Sarah Ryan	30/07/15	Static Animation	D. Sinfield
Sophie Hermann	30/07/15	Poetic displacement: Journeying through an installation-based practice	J. Randerson

ART AND DESIGN - MASTER OF PHILOSOPHY

Name	Date granted	Thesis title	Supervisor
Cecelia Faumuina Khakh	17/12/15	Malanga: The voice of positive dissonance	W. Ings
Eloise Coveny	30/07/15	The Survival of Things	M. O'Connor
Mairi Gunn	30/07/15	Common Ground: A creative exploration of narratives of connection between people and land in Scotland and Aotearoa / New Zealand	W. Ings
Mike Hutcheson	17/12/15	Paradox: How New Zealand culture enables creativity yet mitigates against its spread	W. Ings
Neerali Parbhu	17/12/15	Valuing the voices of children: A case study of involving children in the process of medical equipment design in the hospital environment	S. Reay

COLAB - MASTER OF CREATIVE TECHNOLOGIES

Name	Date granted	Thesis title	Supervisor
Benjamin Lai	17/12/15	Selective commitment: How game design promote players to dedicate towards their own choice of game goals	B. Kenobi
Donald Smith	17/12/15	Avatar Mirrors	J. Charlton
Emile Drescher	17/12/15	Talking Books: The Development of an Interactive, Education, Digital Application	F. Joseph
Ezra Whittaker-Powley	17/12/15	Agential Flow: Practical Applications of Flow Theory in Modern Board Game Design	B. Kenobi
Hengbo Wang	17/12/15	Dear Diary: An investigation of Emotionally Engaging Computer-game Narratives	B. Kenobi
Jenna Gavin	17/12/15	Embracing possibility: A playful attitude towards the creation of playful objects	B. Kenobi
June Kim	17/12/15	Being and Thing become space(s). Reflecting // Interacting// Mirroring	C. Walker
Kirsty Harvey	17/12/15	Savings for irrational humans: A design meets psychology approach	S. Karmokar
Lina Pierson	17/12/15	A Couple of Jokes: using co-creation and methods of generative design to study humour in multicultural couples	G. van Melle
Luke Munn	17/12/15	Digital Disembodiment	J. Charlton
Marcel Allen	17/12/15	From Spectacle to Socially Engaged Art Practice: Art as potential disruptor and transformer of engagement with the spectacle	J. Charlton
Marty Martin	17/12/15	Investigating Anticipated Conventions of Wearable Devices as a Mainstream Technology	J. Charlton
Phil James	17/12/15	Lieutenant Butterfly: Exploring Videogames through Ordinary Psychedelic Play	J. Charlton

COLAB - MASTER OF PHILOSOPHY

Name	Date granted	Thesis title	Supervisor
Jan Kruse	30/07/15	Interactive Evolutionary Computing in design applications for virtual worlds	A. Connor

COMMUNICATIONS - MASTER OF COMMUNICATION STUDIES

Name	Date granted	Thesis title	Supervisor
Aditya Kundalkar	17/12/15	Cover to cover: The changing identity of the magazine journalist as the medium goes from print to digital	H. Sissons
Alex Perrottet	17/12/15	News values in three Pacific nations: A case study in development journalism and the reporting of the Pacific Islands Forum in Fiji, Vanuatu and New Zealand	D. Robie

Corey Walden	17/12/15	"A Living and Breathing World...": Examining Participatory Practices Within Dungeons & Dragons	L. Piatti-Farnell
Leonie Williams	17/12/15	Adult literacy mobile learning: A smartphone app proposal to aid adult learners to practise their literacy skills	M. Guinibert
Maurits Benjamin Pieper	17/12/15	"The Student-Lecturer Relationship on Facebook: Identifying the measures lecturers take in order to maintain a balance between their personal and professional image when using Facebook"	L. Piatti-Farnell
Patrick Usmar	17/12/15	Broken Heroes: The crisis of masculinity in post-2000 Hollywood film	L. Piatti-Farnell
Sophia Spivak	17/12/15	ARticular: An augmented reality game concept for a museum setting	A. Kala
Stephanie MacMillan	30/07/15	No suits allowed: In what ways does the creativising of central Auckland reveal the workings of Bormann's (1973) shared fantasy themes?	F. Nelson
Yvonne Brill	17/12/15	Conflicting Digital Futures: An analysis of the New Zealand digital television debate in relation to public service principles and commercial imperatives	W. Hope

COMMUNICATIONS - MASTER OF PHILOSOPHY

Name	Date granted	Thesis title	Supervisor
Anna Majavu	17/12/15	Merging the Black press with mainstream newspapers in post-apartheid South Africa: A phenomenological study of journalists at Sowetan newspaper between 2009 and 2012	B. Evans
Rosemary Louise Brewer	17/12/15	"You married for better or worse, didn't you?" An Analysis of Changing Attitudes to Love, Marriage, and Divorce in the New Zealand's Woman's Weekly 1950-1980	L. Piatti-Farnell

COMPUTER AND MATHEMATICAL SCIENCES - MASTER OF COMPUTER AND INFORMATION SCIENCES

Name	Date granted	Thesis title	Supervisor
Abhijeet Sudhir Kasture	17/12/15	A Predictive Model to Detect Online Cyberbullying	P. Nand
Akshay Raj Gollahalli	17/12/15	NeuCube based Brain-Computer Interfaces for Virtual Quadcopters	N. Kasabov
Anne Abbott	30/07/15	A framework for monitoring backups and their properties for a vast number of heterogeneous systems in a Business Cloud Computing Environment	K. Petrova
Awadh Althwab	17/12/15	Distributed Relational Database Performance in Cloud Computing: an Investigative Study	A. Litchfield
Brian Green	17/12/15	Data mining log file streams for the detection of anomalies	R. Pears
Guangyu Wang	30/07/15	Content Based Authentication of Visual Cryptography	WQ Yan

Jeff Wang	30/07/15	A Framework for the Integration of the Emotiv EEG System into the NeuCube Spiking Neural Network Environment for Robotics Control	N. Kasabov
Johan Jonathan Nugraha	30/07/15	Optimizing the Computation of the Fourier Spectrum from Decision Trees	R. Pears
Rohini Gaur	30/07/15	Assessing the Socio-Technical Impacts of Cloud Computing in New Zealand Organisations: An Exploratory Study	A. Litchfield
Solomon George Georgewashington	17/12/15	Performance evaluation and extension of cachejoin in a real-life environment	M. Naeem
Tyler Tong	17/12/15	Analysis of a secure virtual desktop infrastructure system	WQ Yan
Wang Peng	30/07/15	Is a Multi-touch Gesture Interface Based On a Tablet Better Than A Smart Phone for elderly users?	D. Parry
Wesam Abusaber	17/12/15	Remembering Future Tasks: Usability Study of ComMotion	P. Carter
Wriju Bhattacharya	17/12/15	A brain-computer interface based on a spiking neural network architecture - NeuCube and neuro-feedback	N. Kasabov
Yihua He	17/12/15	Procedural Game Environment Generation in Independent Game Development: Case Study and Simulation Approach	N. Sarkar
Yucheng Zhou	30/07/15	RFID - based Blood Bag Monitor Research	D. Parry
Yunyi Chen	17/12/15	Evaluation of a Data Mining Application adopting a Private Information Retrieval in the Cloud Computing Environment	S. Tegginmath
Zi Lin	17/12/15	Software Approaches to Support RFID Temperature Monitoring for Blood Products	D. Parry

COMPUTER AND MATHEMATICAL SCIENCES - MASTER OF SCIENCE

Name	Date granted	Thesis title	Supervisor
Eleanor Da Fonseca	30/07/15	Utilizing Spatial Locality of ColourFAST Features for GPU-Accelerated Object Recognition	A. Ensor

COMPUTER AND MATHEMATICAL SCIENCES - MASTER OF PHILOSOPHY

Name	Date granted	Thesis title	Supervisor
Kostya Ross	17/12/15	Dynamic Algorithms for Partially-Sorted Lists	J. Liu

ENGINEERING - MASTER OF ENGINEERING

Name	Date granted	Thesis title	Supervisor
Febin Paul Nottath	30/07/15	Analysis of a Microwave Patch Antenna Array for Reflection Measurements	J. Collins

PHD COMPLETIONS 2015

ART AND DESIGN

Name	Date granted	Thesis title	Supervisor
Albert Refiti	17/12/2015	Mavae and Tofiga: Spatial Exposition of the Samoan Cosmogony and Architecture	T. Engels-Schwarzpaul
Anthony Cribb	17/12/2015	XX/XX/XXXX - XX/XX/XXXX (Variable-Span-Variable) : An exploration of the miniature and reverie in contemporary art	C. Braddock
Carol Peters	17/12/2015	Our community voices: The Birth of Community Television in Whangarei	M. Jackson
Ian Jervis	17/12/2015	Painting of time: Duration emergence sensation	M. Jackson
Talita Tolutau	30/07/2015	Veitalatala: Mātanga 'o e Talanoa	W. Ings

COLAB

Name	Date granted	Thesis title	Supervisor
Frederik Schmidt	30/07/2015	A Multi-Objective Architecture Reconstruction Approach	A. Connor
Maggie Buxton	30/07/2015	Tricksters, Technology and Spirit: Practising Place in Aotearoa-New Zealand	S. Frielick

COMMUNICATION STUDIES

Name	Date granted	Thesis title	Supervisor
Boonyalakha Makboon	30/07/2015	Spiritual Vegetarianism: Identity in everyday life of Thai non-traditional religious cult members	S. Norris
Emma Kelly	30/07/2015	A critical examination of film archiving and curatorial practices in Aotearoa New Zealand through the life and work of Jonathan Dennis	L. Piatti-Farnell
Helen Sissons	30/07/2015	Whose News? Investigating Power Relations Between Journalists and Public Relations Practitioners	P. Theunissen
Jesse Pirini	17/12/2015	Research into Tutoring: Exploring Agency and Intersubjectivity	S. Norris
Matt Mollgaard	17/12/2015	Powerful Music: Media, Culture and the 'Third Way' in New Zealand. A Grounded Theory Analysis of Kiwi FM.	R. Johnson
Sarah Gumbley	30/07/2015	The Facebooked Organisation - A Critique of corporate social media in New Zealand	F. Nelson
Wan Norbani Wan Noordin	17/12/2015	Towards a public-organization conversational framework of reputational influence: A grounded theory study	P. Theunissen

COMPUTER AND MATHEMATICAL SCIENCES

Name	Date granted	Thesis title	Supervisor
Allan Fowler	30/07/2015	Understanding learning within a commercial video game: A case study	B. Cusack
Md Zulfikar Hossain	17/12/2015	How Albot1 Computes Its Perceptual Map	A. Yeap
Muhaini Binti Othman	17/12/2015	Spatial-Temporal Data Modelling and Processing for Personalised Decision Support	N. Kasabov
Paul Davidson	17/12/2015	Subsumption & Economic Preference Expression: An Agent-Based Computational Architecture for Principled Exploratory Applications	N. Kasabov
Raymond Lutui	17/12/2015	Digital Forensic Procedures For Mobile Business Devices: Smart Technologies	B. Cusack
Sakthithasan Sripirakas	30/07/2015	Capturing Recurring Concepts in High Speed Data Streams	R. Pears
Srdan Zagorac	17/12/2015	Materialization Strategies for Web Based Search Computing Applications	R. Pears

ENGINEERING

Name	Date granted	Thesis title	Supervisor
Abd Halim Embong	30/07/2015	An Investigation into Abdominal Aortic Aneurysm (AAA) Rupture Prediction	A. Al-Jumaily
Mike Protheroe	30/07/2015	An investigation of droplet evaporation characteristics in an ultrasound environment	A. Al-Jumaily
Mohammed Rajeh	30/07/2015	Comparative analysis of Construction Procurement Systems Based on Transaction Costs	J. Tookey
Ogechi Okoro	30/07/2015	Corporate social responsibility agenda for international oil companies (IOCs) – New Perspectives from Stakeholder Engagement in the Niger Delta Region (NDR) of Nigeria	J. Tookey
Saud Altaf	17/12/2015	Smart Sensor Network Organisation: Sensor Data Fusion and Industrial Fault Traceability	A. Al-Anbuky
Tung Vuong	30/07/2015	An Investigation into Acoustics and Vibration Characteristics of CPAP Devices	A. Al-Jumaily

RESEARCH OUTPUTS
STAFF PUBLICATIONS



ART & DESIGN

ALAN YOUNG

Publication Type	Citation
Journal article - Article	Gray, B., Young, A., & Blomfield, T. (2015). Altered Lives: assessing the effectiveness of digital storytelling as a form of communication design. <i>Continuum: Journal of Media & Cultural Studies</i> , 29(2), 635-649. Retrieved from: http://www.tandfonline.com/eprint/a25NHF4rnABZSstuCwdn/full#.VUa3kGbTRiY
Journal article - Article	Young, A. S. (2015). Commercial art to graphic design: The rise and decline of commercial art in Australia. <i>Journal of Design History</i> , 28(3), 219-234. doi: 10.1093/jdh/epv021

AMANDA BILL

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Reay, S. D., Collier, G., Bill, A., Kennedy-Good, J., & Old, A. (2015). Designing New Healthcare Experiences: prototyping a physical space that enables a design approach to improving patient experiences in hospital. In Christer. Proceedings of the 3rd European Conference on Design4Health, Design4Health, 3rd European Conference on Design4Health. Sheffield, UK.
Conference contribution - Paper Published in Proceedings	Bill, A., Collier, G., & Reay, S. (2015). Making Things Happen: Experiments in prototyping from a Hospital Design Lab. Virtuous Circle Summer Cumulus Conference. Milan.
Conference contribution - Published Abstract	Reay, S. D., Bill, A., Collier, G., & Kennedy-Good, J. (2015). Designing authentic learning experiences: Interdisciplinary collaboration between design and healthcare. AFRM/NZRA Combined Rehabilitation Meeting 2015. 2 Grey St, Wellington, NZ.
Conference contribution - Oral Presentation - Paper Presentation	Bill, A. (2015). Design as Knowledge Work: Understanding design in a knowledge economy.. Paper presented at the The Role of Design in Building Competitive Business Advantage. Design For Business: Research International Conference. Australian Centre for Moving Image, Melbourne, Australia.

AMANDA SMITH

Publication Type	Citation
Design output	Smith, A., Moore, R., & Fraser, G. (2015). Dance Costume [Knitted Seamless Textiles]. Oceanic Performance Biennial 2015, Te Vara Nui, Rarotonga.
Design output	Moore, R., Smith, A., & Fraser, G. (2015). Dance Costume - Breath of Air (Atrium). Auckland.
Journal article - Article	Smith, A. E. & Finn, A. (2015). Built for niche: Rethinking the role of manufacturing in developing designer fashion in New Zealand. <i>International Journal of Fashion Studies</i> , 2(1), 29-42. Retrieved from: http://www.intellectbooks.co.uk/journals/view-issue,id=2844/
Design output	Moore, R., Smith, A., & Fraser, G. (2015). Dance Costume - Still Breathing [Knitted Seamless Textiles]. Auckland.
Conference contribution - Workshops or Panel Presentation	Smith, A. (2015). Digital Crafting Network Panel. Presented at the Making Futures 4. Plymouth Art College, Plymouth, UK.
Journal article - Article	Otter, S., Rome, K., Ihaka, B., South, A., Smith, M., Gupta, A., ... Heslop, P. (2015). Protective socks for people with diabetes: A systematic review and narrative analysis. <i>Journal of Foot and Ankle Research</i> , 8, 9. doi: 10.1186/s13047-015-0068-7
Book - Edited Book	Smith, A. E., Joseph, F., Smitheram, M., & Hamon, J. (2015). Shapeshifting: A Conference on Transformative Paradigms of Fashion and Textile Design. Retrieved from: http://aut.researchgateway.ac.nz/handle/10292/8553

Conference contribution – Published Abstract	Smith, A. E. & Moore, R. (2015). Translating the Traditional to the Digital. In Newington. In The Loop 4 Knitting: from craft to couture, In The Loop 4 Knitting: from craft to couture. Glasgow University, UK: Glasgow University UK.
Oral presentation	Smith, A. (2015, January). Diabetic Sock Project. Presented at the AUT University, Auckland, New Zealand.
Design output	Smith, A. & Moore, R. (2015). AUT Textile Design Lab Brochure [Knitted design output in printed publication]. AUT University: AUT University.
Design output	Moore, R., Smith, A., & Fraser, G. (2015). Dance Costume – Antumbra Performance [Knitted Seamless Textiles]. Peter Leavey Gallery, Wellington.
Conference contribution – Published Abstract	Smith, A. & Moore, R. (2015). The Transference of Craft to Digital Knowledge through the Medium of Knitted Textiles. In Ferris. Making Futures 4, Making Futures 4. Plymouth College of Art: Plymouth, UK.

AMANDA YATES

Publication Type	Citation
Design output	Yates, A. (2015). NZPQ15: Ahua O Te Rangi / NZ at the Auckland Arts Festival [exhibition/installation/performance]. Plaza, Sir Paul Reeves Building, AUT. Auckland NZ.: Auckland Arts Festival.
Design output	Yates, A. (2015). NZPQ15: Ahua O Te Rangi / NZ at the Auckland Art Gallery [installation with digital media] [installation]. Auckland Art Gallery: Auckland Art Gallery.
Design output	Yates, A. (2015). SEE-LEVEL site-specific installation: text on architectural structure] [site-specific installation: text on architectural structure]. Rarotonga, Cook Islands: Performance Studies international (PS1#21 Fluid States Conference).
Chapter or section in books	Yates, A. (2015). Situated structures: performing time and space. In McNeily (Ed.), Performance and Temporalisation: Time Happens
Design output	Yates, A. & Foster, S. (2015). NZPQ15: Ahua O Te Rangi / NZ at the Prague Quadrennial [multi-media installation and live performance] [exhibition/installation/performance]. Prague, Czech Republic: Prague Quadrennial of Performance Design and Space.
Design output	Yates, A. (2015). DIGITAL LEI [ceremonial designed object: rope, wax, 3D data prints, memory stick]. Aomori, Tohoku, Japan: Fluid States Conference-Event, Performance Studies international.
Chapter or section in books	Yates, A. & Randerson, J. (2015). Engaging Publics: Art, Ecologies and the Urban Environment. Auckland, New Zealand: Auckland Art Gallery Toi o Tamaki with AUT University.

ANDREW DENTON

Publication Type	Citation
Film and Video	Denton, A. (Director). (2015). Aspects of Trees: Festival Version [High Definition Video]. New Zealand International Film Festival, Jihlava International Documentary Festival.

ANDREW DOUGLAS

Publication Type	Citation
Journal article – Editorial Comment	Douglas, A. (2015). Introduction: The City Without Qualities. Interstices: Journal of Architecture and Related Arts, (16), 1–6. Interstices/Enigma: He Aupiki.
Journal article – Article	Douglas, A. (2015). Plan/Ditch: Topographic Inscription in an Early Colonial Capital. Interstices: Journal of Architecture and Related Arts, (16), 57–71. Interstices/Enigma: He Aupiki.

ANDREW WITHELL

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Withell, A. (2015). Conceptualising learning, learning environments and curriculum from a critical realist perspective. In L. Gómez Chova & A. López Martínez. ICERI2015 Proceedings, 8th International Conference of Education, Research and Innovation. (pp. 4012-4020). Retrieved from: http://library.iated.org/view/WITHELL2015CON
Conference contribution - Published Abstract	Withell, A. (2015). A critical realist approach to the design and evaluation of a design thinking curriculum. In L. Gómez Chova & A. López Martínez. ICERI2015 Proceedings, 8th International Conference of Education, Research and Innovation. (pp. 3213-3213). Retrieved from: http://library.iated.org/view/WITHELL2015ACR

ANDY THOMSON

Publication Type	Citation
Exhibition	Thomson, A. (2015). A Foreign Encounter [drawing; 1]. Munich, Germany: GALLERIE FOE, 16 December-16 December.
Exhibition	Thomson, A. & Matthew, S. (2015). Of other Spaces [multimedia sound and video installation; variable]. Flatman (Curator). Ely England: Ely Cathedral, 30 September-30 September.
Chapter or section in books	Thomson, A. (2015). Friend or Enemy. (pp. 63-76). Auckland: TeTuhi.

ANGELA FINN

Publication Type	Citation
Journal article - Article	Fraser, K. & Finn, A. (2015). Sustainable design education: designing virtual online teaching resources for fashion and textiles. <i>International Journal of Design Principles and Practices</i> , 9(1), 19-26. Retrieved from: http://ijgo.cgpublisher.com/product/pub.237/prod.53

ANNA MILES

Publication Type	Citation
Chapter or section in books	Miles, A. (2015). Enjoyment of Freedom. (pp. 6/15). Auckland: Objectspace.
Oral presentation	Miles, A. (2015, January). Blikfang Talk. Presented at the Blikfang, 130 Queen St, Northcote Point, Auckland.
Oral presentation	Miles, A. (2015, January). The Artist/Dealer Relationship. Presented at the Whitecliffe College of Arts and Design, 24 Balfour Rd, Parnell, Auckland.
Oral presentation	Miles, A. (2015, January). Vintage to Vanguard: A Conversation with Finn McCahon-Jones and Elly van de Wijdeven. Presented at the Going West Books & Writers Festival 2015, Titirangi War Memorial Hall, 500 South Titirangi Rd, Titirangi.
Other form of output	Miles, A. (2015). Childhood Homes: Anna Miles, Gallerist [Print and online newspaper; 1]. <i>NZ Herald: Childhood Homes</i> , <i>NZ Herald Viva</i> , Wednesday July 29, 2015 (July 29, 2015), 1. Retrieved from: http://www.viva.co.nz/

CHRISTOPHER BRADDOCK

Publication Type	Citation
Artwork or artefact	Braddock, C. (2015). Repeating Silence 1 [performance with live stream video; one piece, duration one hour]. Melbourne: RMIT University and University of Melbourne Victorian College of the Arts.
Journal article - Article	Braddock, C. (2015). Silence and Alterity in a Recitation of the Qur'an. <i>Performance Research</i> , 20(5), 22-29. doi: 10.1080/13528165.2015.1095903

Conference contribution – Oral Presentation – Paper Presentation	Braddock, C. (2015). Layne Waerea as itinerant female–Māori–artist–activist (of sorts). Paper presented at the Assembly Symposium, In <i>Performing Mobilities</i> as part of Fluid States, Performance Studies international. RMIT University and University of Melbourne Victorian College of the Arts, Melbourne.
Artwork or artefact	Braddock, C. (2015). Repeating Silence 2 [performance with live stream video; one piece, duration one hour]. Melbourne: RMIT University and University of Melbourne Victorian College of the Arts.
Conference contribution – Published Abstract	Braddock, C. (2015). Mystical Participation and Animism in the performances of Darcell Apelu. In Braddock. <i>Animism and Material Vitality in Art and Performance, Mystical Participation and Animism in the performances of Darcell Apelu., Animism and Material Vitality in Art and Performance</i> , (pp. 10–10). Retrieved from: http://artandperformance.wordpress.com/
Artwork or artefact	Braddock, C. (2015). Repeating Silence 3 [performance with live stream video; one piece, duration one hour]. Flinders Lane, CBD Melbourne, and live stream video to RMIT Design Hub: RMIT University and University of Melbourne Victorian College of the Arts.

DAVID SINFIELD

Publication Type	Citation
Design output	Sinfield, D. (2015). Representing allied staff across the university sector [Brochure]. New Zealand: TEU.
Exhibition	Sinfield, D., Black, N., McCallum–Cadd, S., Choi, Y., Chen, S., Al–Kandri, A., ... Kelly, H. (2015). Place Stories: Concrete poetry [Posters, Sculptors, Projections, Publications; 60 pieces ranging in various sizes]. D. L. Sinfield & M. Buxton (Curators). Manukau, New Zealand: MC, 640 Great South Road, 26 June–26 June.
Film and Video	Sinfield, D. (Director). (2015). <i>Typographical Ghosts: A Contemplation on Time, Mystery and Recovery</i> [MP4 Moving Image film [1920 x 1080]]. Aotea Utanganui Museum of South Taranaki.
Design output	Sinfield, D. (2015). Stop Work Meeting: Working together we can make it happen. [Poster]. Auckland, New Zealand: TEU.
Conference contribution – Oral Presentation – Paper Presentation	Sinfield, D. (2015). Typography off the page: Teaching typography as moving image. Paper presented at the Ninth International Conference—Design Principles and Practices. University Center Chicago, Chicago USA.
Design output	Sinfield, D. (2015). Who got you: “Salary Increases Greater Than The CPI”... [Poster].
Design output	Sinfield, D. (2015). Why Wait: Get your Pay Increase When Union Members Get It [Poster].
Design output	Sinfield, D. (2015). Greetings from Patea: A palimpsest collection of images from the freezing works. [Printed in full colour a series of 11 post cards]. Public Library (LibraryPlus)—120 Egmont Street Patea, Taranaki: South Taranaki District Council.
Design output	Sinfield, D. (2015). Catalogue. Place Stories: Concrete Poetry [Printed Catalogue full colour]. New Zealand.
Design output	Sinfield, D. (2015). Who Fought For: “9 Weeks Parental Leave”... [Poster].
Film and Video	Sinfield, D. (Director). (2015). <i>Loss and Reflection: A Palimpsest of Place</i> [MP4 Moving Image film [1920 x 1080]]. Public Library (LibraryPlus)—120 Egmont Street Patea, Taranaki.
Exhibition	Sinfield, D. (2015). Occupation and loss: A typographical film poem [Moving Image]. Gilbert (Curator). San Francisco, USA: Asterisk Gallery, San Francisco, USA, 29 October–29 October.
Report – Commissioned	Sinfield, D. (2015). External Monitors Report, Bachelor of Computer Graphic Design, UCOL Wanganui. [Commissioned by UCOL, Whanganui]. Whanganui, NZ: UCOL Whanganui.
Exhibition	Sinfield, D. (2015). Patea: Memories on vacant walls [Moving image]. College of Creative Arts Massey University, New Zealand: Virtually POP, POPCAANZ, 1 July–1 July.

Film and Video	Sinfield, D. (Director). (2015). Memories on Vacant Walls: A Poem Film [MP4 Moving Image film [1920 x 1080]]. Aotea Utanganui Museum of South Taranaki.
Film and Video	Sinfield, D. (Director). (2015). Memories on Vacant Walls: A Poem Film [MP4 Moving Image film [1920 x 1080]]. Patea, Taranaki.
Design output	Sinfield, D. (2015). Who Got You: "More Professional Development Money"... [Poster].
Film and Video	Sinfield, D. (Director). (2015). Typographical Ghosts: A Contemplation on Time, Mystery and Recovery [MP4 Moving Image film [1920 x 1080]]. Public Library (LibraryPlus)–120 Egmont Street Patea, Taranaki.
Design output	Sinfield, D. (2015). Greetings from Patea: A palimpsest collection of images from the freezing works. [Printed in full colour a series of 11 post cards]. Aotea Utanganui Museum of South Taranaki: Aotea Utanganui Museum of South Taranaki.
Report - Commissioned	Sinfield, D. (2015). Monitoring Report Bachelor of Design and Arts (with majors in Visual Arts, Graphic Design and Textiles/Fashion Design) UCOL Wanganui (Reported No. TP15044-02). [Commissioned by NZQA]. 1-11. Wellington, NZ: NZQA.
Design output	Sinfield, D. (2015). Save Graham's Bush [Moving image]. New Zealand: Toko (Greenpeace).
Film and Video	Sinfield, D. (Director). (2015). Loss and Reflection: A Palimpsest of Place [MP4 Moving Image film [1920 x 1080]]. Aotea Utanganui Museum of South Taranaki.

DIENEKE JANSEN

Publication Type	Citation
Oral presentation	Jansen, D. (2015, January). Symposium "Makak Nggak Makan Asal Kumpul". Presented at the Jakarta Biennale, Gudang Sarinah.
Exhibition	Jansen, D. (2015). G. I. Areas A & B: G. I. Areas A & B: Hoardings, 68 Beach Rd, CBD Auckland, G.I. Area B: Progressive Luncheon, 16 Taniwha st, Glen Innes G.I. Areas A & B: Housing in New Zealand (1946 -) Ngā Taonga Sound & Vision [Hoardings photographic images, video, performance event; 8].Phillips (Curator). Te Tuhi, 13 Reeves Rd, Pakuranga, Auckland & Ngā Taonga Sound & Vision 300 Karangahape Rd, Auckland: Te Tuhi off site project & Ngā Taonga Sound & Vision, 29 July-29 July.
Journal article - Article	Jansen, D. & Boberg, I. (2015). Deterritorialised and immersive learning takes flight. The International Journal of Arts Education, 10(2), 17-28. Retrieved from: http://ijae.cgpublisher.com/
Exhibition	Jansen, D. (2015). Marunda: Dwelling on the Stoep [video installation; 10].Esche (Curator). Gudang Sarinah, Jakarta: Jakarta Biennale, 17 January-17 January.
Exhibition	Jansen, D. & Gillam, J. (2015). FIXED for good [photographic adhesive vinyl prints; 15].M. Wraight & J. Parkinson (Curators). Fish Lane, Wynyard Quarter Auckland Waterfront: Wynyard Quarter Auckland Waterfront, 31 July-31 July.
Film and Video	Jansen, D. (Director). (2015). Voices from Marunda [video film screening]. Marunda, Jakarta.

EDEN POTTER

Publication Type	Citation
Design output	Potter, E. (2015). Information design, creative direction, and project management for Living Well Toolkit collateral [Information design]. Auckland: Commissioned by Centre for Person Centred Research, AUT Health and Rehabilitation Research Institute.
Chapter or section in books	Potter, E. J. & Sarrot, R. (2015). New Zealand's nation brand and its impact on exporting businesses. (pp. 110-127). Bristol / Chicago: Intellect Books / The University of Chicago Press.
Oral presentation	Potter, E. (2015, January). Designing communication. Presented at the Designing Together DHW Lab Symposium, Fisher & Paykel Healthcare Clinical Education Centre, Auckland Hospital.

Conference contribution – Oral Presentation – Paper Presentation	Potter, E. & Sarrot, R. (2015). Design, ingenuity, and innovation. Paper presented at the Helix Symposium. College of Creative Arts, Massey University, Wellington, New Zealand.
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FIONA AMUNDSEN

Publication Type	Citation
Exhibition	Amundsen, F. & Corballis, T. (2015). Machine Wind as part of the group exhibition Visiting Asia [HD Video; One, 3 x 1.5 meter HD projection]. E. Phillips (Curator). Auckland: Te Tuhi, 21 February–21 February.
Exhibition	Amundsen, F. (2015). Like a Body Without Skin [Photography and Video; Two Channel Video presented on 55" TV: 5x 1380 x 1100mm Photographs: 5 x 45 x 70mm Photographs]. Neu Kirche Contemporary Art Centre (Curator). Pittsburgh, USA: Neu Kirche Contemporary Art Centre, 31 March–31 March.
Exhibition	Amundsen, F. (2015). Imperial double take [Photography and Moving Image; 4x A0 Prints, 4x A1 Prints, 1x Moving Image Projection]. Singapore: Objectifs: Center for Photography and Film, 7 March–7 March.
Exhibition	Amundsen, F. (2015). Imagine Asia [Photography; 3x 1000x820mm Photographs]. Porirua City: Partaka Art Museum, 17 May–17 May.
Book – Authored Book	Amundsen, F. (2015). The Imperial Body. 5–88. Retrieved from: http://www.splitfountain.org/
Exhibition	Amundsen, F. & Thompson, L. W. (2015). Untitled as part of the ongoing series sucu mate, included in the Asia Pacific Triennial [Photography; 9x 50x40cm Inkjet photographs, 1x 135x110cm Inkjet photograph]. Seeto (Curator). Brisbane: Queensland Museum of Modern Art, 10 April–10 April.
Conference contribution – Published Abstract	Amundsen, F. (2015). Memorials, haunting and a 'Something-to-be-done': A case study for what cannot be seen. 21st Century Photography: art, philosophy, technique. University of the Arts London, London, England.
Exhibition	Amundsen, F. (2015). Imperial body [Photography and Moving Image; 10x 1000x820mm Photographs, 3x 750x620mm Photographs, 1x Two Channel HD Video]. Auckland: Gus Fisher Gallery, 11 July–11 July.

FLEUR PALMER

Publication Type	Citation
Oral presentation	Palmer, F. (2015, January). Envisioning a Future. Presented at the St Paul's Street Gallery, St Paul's Street, Auckland.
Oral presentation	Palmer, F. (2015, January). Finding a Place. Presented at the Otakou Marae, Dunedin.

FRANCESCA ZAMPOLLO

Publication Type	Citation
Oral presentation	Zampollo, F. (2015, January). On food design and in search of meaningful food. Presented at the WS222, St Paul Street, WS building, Auckland University of Technology.
Oral presentation	Zampollo, F. (2015, January). On food design and food design thinking. Presented at the NZ and Australia Sensory Symposium 2015, The Venue, Waiheke Island, New Zealand.
Exhibition	Zampollo, F. (2015). The taste of meaningful food [Live Performance.; 15min video and food items]. 417 Remuera Rd, Remuera, Auckland: Browns Cafe

GERBRAND VAN MELLE

Publication Type	Citation
Exhibition	van Melle, G. & Marks, S. (2015). <i>Sleeping with Bees</i> [Installation]. Ponsonby, Auckland: Studio One Toi Tū, 12 December–12 December.
Conference contribution – Oral Presentation – Paper Presentation	Van Melle, G. (2015). <i>Circularity: Radical design driven research and Second Order Cybernetics</i> . Paper presented at the Cumulus 2015, Virtuous Cricle. Istituto Europeo di Design, Milan.
Exhibition	van Melle,, G. & Marks, S. (2015). <i>PUA at White Night</i> [Interactive Projection; 1].A. Yates, & S. Foster, (Curators). Auckland, New Zealand: Auckland University of Technology, 14 March–14 March.
Design output	Van Melle, G. (2015). <i>Engaging Publics, Public Engagement</i> . Artmatter 01 [Book]. Auckland, New Zealand: Aucklanf Art Gallery, AUT.
Design output	Van Melle, G. & Marks, S. (2015). <i>Digital Lei</i> . SLM 3D printed ritual sound objects. [SLM 3D printed ritual sound files]. Rarotonga, Cook Islands. Aomori, Japan: Fluid States: Performances of Unknowing PSi #21.
Exhibition	Van Melle, G. & Marks, S. (2015). <i>PUA</i> [Installation; 1].A. Yates & S. Foster (Curators). Colloredo-Mansfeld Palace – City Gallery Prague: Prague Quadrennial 2015, 28 August–28 August.

GJOKO MURATOVSKI

Publication Type	Citation
Chapter or section in books	Muratovski, G. (2015). <i>Design Strategy</i> . In Edwards (Ed.), <i>The Bloomsbury Encyclopedia of Design</i> (1 pages). London: Bloomsbury Publishing.
Chapter or section in books	Meroni, A., Cautela, C., & Muratovski, G. (2015). <i>Design for Incubating and Scaling Innovation</i> . In L. Collina, L. Galluzzao & A. Meroni (Eds.), <i>The Vitrous Circle: Design Culture and Experimentation</i> (pp. 108-115). Milano: McGraw-Hill Education.
Chapter or section in books	Muratovski, G. (2015). <i>The Role of Design in Business.</i> , 3, (pp. 10-19). Bristol, UK / Chicago, USA: Intellect / The University of Chicago Press.
Journal article – Review	Muratovski, G. (2015). <i>Luxury: Fashion, Lifestyle and Excess</i> , Patrizia Calefato (2014). <i>Clothing Cultures</i> , 2(3), 332-334. Retrieved from: http://www.intellectbooks.co.uk/journals/view-issue,id=2939/
Journal article – Article	Muratovski, G. (2015). <i>Paradigm Shift: Report on the New Role of Design in Business and Society</i> . <i>She Ji: The Journal of Design, Economics, and InnovaVon</i> , 1(2), Retrieved from: http://www.journals.elsevier.com/she-ji-the-journal-of-design-economics-and-innovation/
Conference contribution – Oral Presentation – Paper Presentation	Muratovski, G. (2015). <i>Design Management Education: Educating Design Managers for Strategic Roles</i> . Paper presented at the 6th Popular Culture Association of Australia and New Zealand Conference. 28–28. Massey University, Wellington, New Zealand.
Book – Edited Book	Muratovski, G. (2015). <i>Design for Business</i> , Vol. 3. 228. Retrieved from: http://press.uchicago.edu/ucp/books/book/distributed/D/bo22486463.html
Chapter or section in books	Muratovski, G. (2015). <i>Gamification in Design – A Conversation with Soren Ingomar Petersen.</i> , 3, (pp. 213-225). Bristol, UK / Chicago, USA: Intellect / The University of Chicago Press.
Oral presentation	Muratovski, G. (2015, January). <i>The State of Design: Current Trends and Tendencies</i> . Presented at the Tongji University, Shanghai, China.
Book – Edited Book	Muratovski, G. (2015). <i>Consumer Culture: Selected Essays</i> . 250. Retrieved from: http://press.uchicago.edu/ucp/books/book/distributed/C/bo23351258.html

Other form of output	Muratovski, G. (2015). The Strategy Behind Disruptive Innovation., 4/2015, 56-59. Retrieved from: http://www.communication-director.com/
Other form of output	Muratovski, G. (2015). The End of Graphic Design. The Beginning 10-13. Auckland, New Zealand: AUT.
Other form of output	Muratovski, G. (2015). Profile: Gjoko Muratovski on strategic design [Magazine]. Gjoko Muratovski on strategic design, Psychology Issue, 78-79. Retrieved from: http://desktopmag.com.au/features/profile-gjoko-muratovski-on-strategic-design/#.VIOhkaTTSYY
Conference contribution - Oral Presentation - Plenary	Muratovski, G. (2015). Blending Design Research and Practice [Plenary]. Presented at the 2015 IASDR (International Association of Societies of Design Research) Conference. 16-16. Brisbane Convention Centre, Brisbane, Australia.
Chapter or section in books	Muratovski, G. (2015). Strategic Design. In Edwards (Ed.), The Bloomsbury Encyclopedia of Design (1 pages). London: Bloomsbury Publishing.
Conference contribution - Oral Presentation - Keynote	Muratovski, G. (2015). The Future of Business and Design: A Global Perspective [Keynote]. Presented at the The Value of Design Research - 11th European Academy of Design Conference. Paris Descartes University (Sorbonne), Paris, France.
Conference contribution - Oral Presentation - Paper Presentation	Muratovski, G. (2015). The New Landscape of Design. Paper presented at the Emerging Practices. Tongji Universtiy, Shanghai, China.

GREGORY BENNETT

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Kruse, J. & Bennett, G. (2015). Teaching Visual Storytelling for virtual production pipelines incorporating Motion Capture and Visual Effects. SIGGRAPH ASIA 2015, Education Symposium. Retrieved from: http://dl.acm.org/citation.cfm?id=2818516&CFID=672491427&CFTOKEN=24544110
Exhibition	Bennett, G. (2015). 'Panopticon' Solo exhibition [HD Digital Video; 2]. Auckland, New Zealand: Two Rooms Gallery, 8 August-8 August.
Journal article - Article	Bennett, G. & Nikolai, J. (2015). Stillness, breath and the spine—Dance performance enhancement catalysed by the interplay between 3D motion capture technology: In a collaborative improvisational choreographic process. Performance Enhancement & Health, Retrieved from: http://www.journals.elsevier.com/performance-enhancement-and-health/
Journal article - Article	Nikolai, J. & Bennett, G. (2015). Stillness, breath and the spine - Dance performance enhancement catalyzed by the interplay between 3D motion capture technology; in a collaborative improvisational choreographic process. Performance Enhancement and Health, doi: 10.1016/j.peh.2015.11.003
Exhibition	Bennett, G. (2015). Video Contemporary, Group Exhibition, Sydney Contemporary International Art Fair, Sydney, Australia. [HD Digital Video; 1].U. Blair & J. Bram (Curators). Carriageworks, Sydney, Australia: Sydney Contemporary International Art Fair, 13 September-13 September.
Exhibition	Bennett, G. (2015). Screengrab7 International Media Arts Award [HD Digital Video; 1].Goodwin (Curator). Townsville, Australia: Pinnacles Gallery, 28 February-28 February.
Film and Video	Nikolai, J. & Bennett, G. (Producers), Bennett, G. & Nikolai, J. (Directors). (2015). Study #1 [video]. Duke University, North Carolina.

Exhibition	Bennett, G. (2015). Friday Flash No.10 "Digital Animation NOW!", Denver Digerati/2015 Biennial of the Americas, Denver, USA. Group Exhibition Screening. [HD Digital Video; 1].Zeile (Curator). Denver, USA: Colorado Convention Center LED screen,, 24 July-24 July.
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GUY COLLIER

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Bill, A., Collier, G., & Reay, S. (2015). Making Things Happen: Experiments in prototyping from a Hospital Design Lab. Virtuous Circle Summer Cumulus Conference. Milan.

IAN JERVIS

Publication Type	Citation
Thesis / Dissertation - Doctoral Thesis	Jervis, I. (2015). Painting of Time: Duration Emergence Sensation (Unpublished Doctoral Thesis). Auckland: Auckland University of Technology.

INGRID BOBERG

Publication Type	Citation
Journal article - Article	Jansen, D. & Boberg, I. (2015). Deterritorialised and immersive learning takes flight. The International Journal of Arts Education, 10(2), 17-28. Retrieved from: http://ijae.cgpublisher.com/

IVANA NAKARADA- KORDIC

Publication Type	Citation
Journal article - Article	Wheeler, A., McKenna, B., Madell, D., Harrison, J., Prebble, K., Larsson, E., ... Nakarada-Kordic, I. (2015). Self-reported health-related quality of life of mental health service users with serious mental illness in New Zealand. Journal of Primary Health Care, 7(2), 117-123. Royal New Zealand College of General Practitioners.

JAN KRUSE

Publication Type	Citation
Journal article - Article	Kruse, J. & Connor, A. M. (2015). Multi-agent evolutionary systems for the generation of complex virtual worlds. EAI Endorsed Transactions on Creative Technologies, 2(5), e5. doi: 10.4108/eai.20-10-2015.150099
Conference contribution - Paper Published in Proceedings	Kruse, J. & Bennett, G. (2015). Teaching Visual Storytelling for virtual production pipelines incorporating Motion Capture and Visual Effects. SIGGRAPH ASIA 2015, Education Symposium. Retrieved from: http://dl.acm.org/citation.cfm?id=2818516&CFID=672491427&CFTOKEN=24544110
Thesis / Dissertation - Master's Thesis/ Postgraduate Dissertation	Kruse, J. (2015). Interactive evolutionary computation in design applications for virtual worlds (Unpublished Master's Thesis/Postgraduate Dissertation). Auckland University of Technology.

JANINE RANDERSON

Publication Type	Citation
Exhibition	Randerson, J. & Johnson, J. (2015). Heat Islands in PQ15: Shared Space: Music, Weather, Politics, Prague Quadrennial of Performance Design and Space. [Video installation and Sound; Three x 2 metre projections on ceiling].Yates (Curator). Prague: Colloredo-Mansfeld Palace, 27 December-27 December.

Conference contribution – Paper Published in Proceedings	Randerson, J. & Yates, A. (2015). Engaging Publics: Art, Ecologies and the Urban Environment. <i>Engaging Publics.</i> , 1, (pp. 98-111). Auckland Art Gallery/ AUT.
Film and Video	Randerson, J. (Director). (2015). <i>Seawater and Dust</i> [16mm film]. Academy Cinema, Embassy Cinema, Wellington.
Performance	Randerson, J., Gilson, G., Chance, Z., 'Uhila, K., Webb, O., Tangata, D., & Dean, N. (2015, July). Reef Sub: Performance in Oceanic Performance Biennial [Artistic Direction]. Avarua Harbour: Reef Sub vessel, Oceanic Performance Biennial.
Journal article – Article	Randerson, J., Salmond, J., & Manford, C. (2015). Weather as medium: Art and meteorological science. <i>Leonardo</i> , 48(1), 16-24. doi: 10.1162/LEON_a_00933
Oral presentation	Randerson, J. (2015, January). The Document Before and After. Presented at the AUT, The Document Through The Lens: Archives, Whakapapa, Ethics, AUT City Campus.
Conference contribution – Workshops or Panel Presentation	Randerson, J., Randerson, J., Waerea, L., & Redmond, M. (2015). Ecologies of Practice: Seawater and Dust. A paper in the panel “The Sidestep: Transversality in Neighbourhood Art Projects”. Presented at the Transversal Practices: Matter, Ecology and Relationality: VI International Conference on New Materialisms. VCA, University of Melbourne, Melbourne, Australia.
Conference contribution – Oral Presentation – Paper Presentation	Randerson, J. (2015). The Oceanic Performance Biennial Student Section: a live project. Paper presented at the Cites in a Climate of Change: Studio Pedagogies Section. University of Auckland, Auckland.
Conference contribution – Oral Presentation – Paper Presentation	Randerson, J. (2015). Dark Sun: solar affectivity, data life and machinic perception. Paper presented at the Animism and Material Vitality in Art & Performance.. WF710, Auckland AUT.
Performance	Randerson, J., Greenfield, L., Holly-Massey, T., & Gilson, G. (2015, April). <i>Antartica: Pacific Skin</i> [Video and dance event]. Queen Street, Auckland CBD: Q Loft in Q Theatre.
Film and Video	Randerson, J. (Director). (2015). <i>Storm Warning: Heat Islands Series</i> [Multi channel projection]. Sir Paul Reeves Building Foyer large Screen, AUT.

JASON KENNEDY

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Kennedy, J. (2015). Embracing the Tall Poppy: Overcoming Tradition in Customer Jewellery Design Preference. In L. Farrugia & A. Down. <i>ideasondesign – Design for Business, Design for Business: Research Conference 2015</i> . Retrieved from: http://ideasondesign.net/design-for-business/research-conference/design-for-business-research-conference-2015-presenting-papers/embracing-the-tall-poppy-overcoming-tradition-in-customer-jewellery-desi
Exhibition	Kennedy, J. (2015). Actor – Love [3D Animation; 1080p video – 1 piece]. J. Preston & A. Geczy (Curators). <i>Virtually POP</i> , Massey University, Wellington, New Zealand: Popular Culture Association of Australia and New Zealand (PopCAANZ), 1 July-1 July.
Conference contribution – Paper Published in Proceedings	Kennedy, J. (2015). Gauging Meaningful Reference Performance in Animation and Motion Capture. In L. Collina, L. Galluzzo & A. Meroni. <i>The Virtuous Circle – Design Culture and Experimentation</i> , Cumulus Conference. McGraw-Hill Education.
Conference contribution – Paper Published in Proceedings	Kennedy, J. (2015). Beyond the Mirror: Producing Emotionally-Authentic Facial Performance for Animation Reference. <i>CONFIA – 3rd International Conference on Illustration & Animation</i> . (pp. 101-114). Braga, Portugal: Braga, Portugal.

KAROL WILCZYNSKA

Publication Type	Citation
Oral presentation	Wilczynska, K. (2015, January). The Impermanence of the Book: A Designer's Interpretation through Material Practice. Presented at the The Centre for the Book, Otago University.

KIM FRASER

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Fraser, K. (2015). ReDress: Reducing textile waste through component reuse. Unmaking Waste 2015 - Transforming Consumption and Production in Time and Place. (pp. 36-46). Retrieved from: http://unmakingwaste2015.org/
Conference contribution - Published Abstract	Fraser, K. & Crowe, D. A. (2015). A Retrospective Response: then and now from a collaborative team. CTANZ 14th Annual Symposium. Dunedin, New Zealand.
Journal article - Article	Fraser, K. & Finn, A. (2015). Sustainable fashion design education: Designing virtual online teaching resources for flexible delivery. <i>International Journal of Designed Objects</i> , 9(1), 19-27. Common Ground Publishing.
Conference contribution - Published Abstract	Fraser, K. (2015). A maker's response in the growing throwaway culture. CTANZ 14th Annual Symposium. Dunedin, New Zealand.
Journal article - Article	Fraser, K. & Crowe, D. A. (2015). A Retrospective Response: then and now from a collaborative team. <i>Context</i> , (30), 15-29. Retrieved from: http://costumeandtextile.co.nz/

KING TONG HO

Publication Type	Citation
Exhibition	Ho, K. (2015). Wandering with our Ancestors: A photographic collation of a work in progress [Photographic Digital Prints; 5 pcs total. 1x 600x4800mm; 2 x 900 x 600 mm; 2x 1600 x 1118 mm]. 1 Parnell Street, Rawene 0473, New Zealand: No. 1 Parnell, 15 May-15 May.
Other form of output	Ho, K. & Ho, (2015). Commissioned Cover Photograph for the book: Fung D. (2015). <i>Turning Stone into Jade</i> . Auckland: New Zealand Chinese Association Inc. New Zealand: New Zealand Chinese Association Inc.

LOGAN AUSTIN

Publication Type	Citation
Design output	Austin, L. P. (2015). <i>The Coffee Den</i> [Art Direction and Computer Design]. Christchurch.
Oral presentation	Austin, L. (2015, January). New Zealand's Gay Leather Culture: Influenced by, and Influencing, Pop Culture. Presented at the Massey University, Wellington.

MARK PULSFORD

Publication Type	Citation
Performance	Pulsford, W. R. (Producer), Pulsford, (Director). (2015, March). <i>Traces</i> [Dance Choreography]. Remuera: Kensington Salon.
Film and Video	Pulsford, M. (Director). (2015). <i>Fondal Park</i> [Interactive Video. Contemporary Dance]. Amsterdam, Netherlands.
Film and Video	Pulsford, M. & Gilson, G. (Producers), Gilson, (Director). (2015). <i>TPPA</i> [Interactive Video, contemporary dance performance]. Q theatre Auckland.

Performance	Pulsford, M. W. R. (2015, April). Pacific Skin [Dance Choreography]. Q Theatre Queen Street Auckland: The Loft Q Theatre.
Film and Video	PULSFORD, M. W. R., SMITH, C. A. I. T. L. I. N., & SUZUKI, A. S. K. A. (Producers), Pulsford, (Director). (2015). Baku [Interactive video, Contemporary dance, Vocals]. Q theatre Auckland.
Film and Video	Pulsford, M., Livermore, C., & Sagar, M. (Producers), Pulsford, M. & Livermore, C. (Directors). (2015). Wai me [Interactive Video, Contemporary dance, Vocals]. Q THEATRE Auckland.
Film and Video	Pulsford, M. (Director). (2015). Antarctica [Contemporary Dance, Interactive video, installation performance]. Q theatre Auckland.
Film and Video	PULSFORD, M. & LIVERMORE, C. (Producers), PULSFORD, (Director). (2015). Elements [Interactive Video, contemporary dance performance]. Q theatre Auckland.

MONIQUE JANSEN

Publication Type	Citation
Exhibition	Jansen, M. (2015). Re:Print / Re:Present, Group Exhibition and Symposium [inkjet prints on paper; 'A Drawing Which Makes Itself', inkjet prints on paper, multiple works installed in groups in response to the site, size variable.].V. Dr Chance & M. Graver (Curators). Cambridge, United Kingdom: Ruskin Gallery, Cambridge School of Art, Anglia Ruskin University, 25 July–25 July.
Exhibition	Jansen, M. H. (2015). ELAM International Printmaking Workshop exhibition [inkjet prints; Moire Sketches, inkjet on paper, size variable]. University of Auckland: Gus Fisher Gallery, 28 February–28 February.
Exhibition	Jansen, M. (2015). IMPACT 9 International Printmaking Conference and Exhibition: Printmaking in the Post-Print Age. [inkjet prints on paper; 1. 'Two Fold', inkjet prints on paper (60 x A3), 4200mm x 1800mm. 2. 'fold (v) print (n) a drawing which makes itself,' 16 page, french-fold, inkjet and screenprint on paper, with screenprinted cover on card, perfect binding, edition of 33 + A/P. Jacket designed by Index.]. Hangzhou, China: Sanshang Gallery, 26 September–26 September.

MONIQUE REDMOND

Publication Type	Citation
Exhibition	Redmond, M. & Public Share, (2015). "Carried Forward"—Public Share collective [Social art event/ Public art project/ Clay objects/ Installation; 115 tumblers (SH16 Northwestern Motorway site clay, Te Atatu Peninsula), Symposium Registration/ Lunch (slices/ soup), Installation (Auditorium/ Amphitheatre)].S. ST PAUL St Gallery Curatorial, C. Huddleston, & A. Cunnane, (Curators). Auckland, New Zealand: ST PAUL St Curatorial Symposium; Auckland Art Gallery Toi o Tāmaki, 22 August–22 August.
Exhibition	Redmond, M. & Public Share, (2015). "SMOKO"—Public Share collective [Social art event/ Public art project/ Clay objects/ Installation; 100+ slip-cast teacups (Alice clay, Well-Connected Alliance site, Waterview), Morning tea break (slices), Installation].M. Douglas, C. Performing Mobilities 2015 Companion & W. David Cross, Paul Gazzola, Bianca Hester, James Oliver, Paul Rae, Laurene Vaughan, Meredith Rogers, Fiona (Curators). Melbourne, Australia: Performing Mobilities 2015; Federation Hall foyer, University of Melbourne Victorian College of the Arts, 11 October–11 October.
Exhibition	Redmond, M. & Public Share, (2015). "A Right Stirrer"—Public Share collective [Social art event/ Public art project/ Clay objects/ Installation; 300 stirrers (Te Atatu motorway site clay), Tea station, Installation, 3-days (10–6pm)].P. Whau The & (. A.) . . Leilani Tamu (Poet), Bronwyn Bent (Theatre Maker), Jody Mcmillan (Artist), Sam Morrison (Artist) and Janet Lilo (Curators). 1915 Great North Rd, Avondale, Auckland, New Zealand: Whau Arts Festival; The Plantation, 18 October–18 October.
Exhibition	Redmond, M. & Waerea, L. (2015). A full season; "We want your feijoas"—collaborative project for one's own trade [Event-based art project; Durational propositional event; public interactions and negotiations].H. Stockman & H. Davis-Gray (Curators). Auckland, New Zealand: one's own trade, The Crate, Waterfront Auckland, Wynyard Quarter, 26 April–26 April.

Conference contribution – Workshops or Panel Presentation	Redmond, M., Randerson, J., & Waerea, L. (2015). “Making as Currency, Connecting the Everyday Social”. A paper in the panel “The Sidestep: Transversality in Neighbourhood Art Projects”. Presented at the Transversal Practices: Matter, Ecology and Relationality: VI International Conference on New Materialisms. The Victorian College of the Arts, The University of Melbourne, Melbourne, Australia.
Exhibition	Redmond, M. & Waerea, L. (2015). 2015 National Contemporary Art Award exhibition [Event-based art project, 3-month duration April–June; 6x documents; ephemera, objects, photographs and video]. A. Kriesler & A. National Contemporary Art (Curators). Hamilton, New Zealand: Waikato Museum Te Whare Taonga o Waikato, 1 November–1 November.
Chapter or section in books	Redmond, M. & Public Share, (2015). A break in proceedings. In Stanhope (Ed.), Artmatter 1: Engaging Publics / Public Engagement, 01, (pp. 89–93). Auckland, New Zealand: Auckland Art Gallery Toi o Tāmaki with AUT University.

NATALIE ROBERTSON

Publication Type	Citation
Exhibition	Robertson, N. (2015). Turangawaewae. [Photography; 2]. Winitana–Murray (Curator). Queen St, Auckland: Q Theatre, 23 March–23 March.
Exhibition	Robertson, N. (2015). These stories began before we arrived. 這些故事在我們到來之前便已展開 [Video and non-material performance; Floor to ceiling projection of video]. C. Huddleston, B. E. Phillips & J. Hanton (Curators). 5F, 385 Xin Yi Road, Section 4, Taipei, Taiwan: Woolloomooloo. Xhibit., 16 March–16 March.
Performance	Robertson, N., Bywater, J., Butt, D., & Monteith, A. (2015, August). Local Time: Piha (21–Aug–2015, 1900 +1200) [Other]. Piha: Whakaari Pā / Te Ahua Pā.
Exhibition	Robertson, N. (2015). These stories began before we arrived. 這些故事在我們到來之前便已展開 [Video and non-material performance; Projection]. C. Huddleston, B. E. Phillips & J. Hanton (Curators). Auckland: Silo 6 Wynyard Quarter, 16 October–16 October.
Conference contribution – Oral Presentation – Paper Presentation	Robertson, N. (2015). Siting Mauri in Living Photography and Film. Paper presented at the Animism and Material Vitality in Art and Performance. AUT University, WF.
Performance	Robertson, N., Bywater, J., Butt, D., & Monteith, A. (2015, July). Local Time: Puna o te Vai Marau 11th July 2015 1630 (–1000) [Other]. Puaikura, Rarotonga: Puna o te Vai Marau.
Exhibition	Robertson, N., Monteith, A., Bywater, J., & Butt, D. (2015). Under Construction: Territory and Displacement. (In 2015 International Award for Public Art exhibition). [Video; 1]. Carmichael (Curator). Jinan, China: Shandong University of Art and Design (SUAD), 11 October–11 October.
Chapter or section in books	O’Brien, G. (2015). Nga Tama Toa re-enactment, Gisborne, 25 October 2008. (pp. 104). Auckland: Auckland University Press.
Performance	Robertson, N., Bywater, J., Butt, D., & Monteith, A. (2015, July). Local Time: Muri 10th July 2015 1400 (–1000) [Other]. Rarotonga: Muri Lagoon.
Exhibition	Robertson, N. (2015). Ko Iwi (Bones) – Pacifique(s) [Photography; 170 photographs]. J. Charles–Rault & C. Vercoe (Curators). Le Havre, France – 170 rue Victor Hugo 76600: La Forme – Atelier D’Art Contemporain
Conference contribution – Oral Presentation – Paper Presentation	Robertson, N. (2015). Tikapa Tukutuku – Implications of film and photographs as nga taonga tuku iho.. Paper presented at the THE DOCUMENT THROUGH THE LENS: ARCHIVES, WHAKAPAPA, ETHICS. AUT University, WF710.

Exhibition	Robertson, N. (2015). Pöteretere (Drift – Pacifique(s) [Photography, video, text; 4 photographs at 3.25m Hx 1.12m W; 2 video channels 8 mins duration projected at 1.2H x 4.0M L; vinyl wall text 1.2M x 1.2M.].J. Charles-Rault & C. Vercoe (Curators). Le Havre, France: Le Portique Espace d'art contemporain, 18 December–18 December.
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NIGEL JAMIESON

Publication Type	Citation
Exhibition	Jamieson, N. & Imersia, L. (2015). WindSong [Geo_Spatial Mobile Augmented Reality; 4.6km north to south.].K. Darrow, K. Chitham & S. Gardiner (Curators). Waiheke Island, NZ: Outdoor sculpture exhibition, Waiheke Island, 14 February–14 February.
Conference contribution – Oral Presentation – Paper Presentation	Jamieson, N. (2015). Survey of Augmented Reality in Australia and New Zealand. Paper presented at the The Popular Culture Association of Australia and New Zealand. Massey University, Wellington, New Zealand.

NOVA PAUL

Publication Type	Citation
Film and Video	Paul, N. (Director). (2015). Still Light [16 mm film transfer to HD]. Auckland, New Zealand.

PAUL CULLEN

Publication Type	Citation
Artwork or artefact	Cullen, P. (2015). Survey with incomplete models [Installation: space, plastic sheet, steel, concrete, rulers, masking tape, cardboard; 10 x 10 metres]. Berlin, Germany: Zentrum für Kunst und Urbanistik.
Exhibition	Cullen, P. (2015). Models, Methods and Assumptions [Books and various other materials; Installation work comprising eight altered books and two metal shelves]. Auckland: Te Uru Waitakere Contemporary Gallery, 11 October–11 October.
Artwork or artefact	Cullen, P. (2015). The Orange Theory (Spanish) [Aluminium suitcase, electric motor, rulers, orange foam, table tennis ball and blue tape; 530 x 750 x 250h (one piece)]. Madrid, Spain.
Exhibition	Cullen, P. (2015). The Brain [Galvanised pipe, pipe clamps, plastic, scaffold. Plus video monitors, TVs, media and dvd players for video artist works.; Sculptural structure approximately 10metres x 10metres x 4metres high]. Auckland: Te Uru Waitakere Contemporary Gallery, 15 November–15 November.

PETER GILDERDALE

Publication Type	Citation
Journal article – Review	Gilderdale, P. D. (2015). Pastoral and monumental: dams, postcards, and the American landscape. <i>Early Popular Visual Culture</i> , 13(3), 240–242. Retrieved from: http://www.tandfonline.com/loi/repv20
Other form of output	Gilderdale, P. D. (2015). The fern's colonial roots [Online newspaper article]. Retrieved from: http://www.nzherald.co.nz/opinion/news/article.cfm?c_id=466&objectid=11491264
Conference contribution – Oral Presentation – Paper Presentation	Gilderdale, P. D. (2015). An Edwardian language of sentiment: communicating emotion through greetings postcards. Paper presented at the The History of Emotions. Victoria University, Wellington.
Conference contribution – Oral Presentation – Paper Presentation	Gilderdale, P. D. (2015). A cuckoo in the nest: History within vocational degrees. Paper presented at the New Zealand Historical Association Conference: History – Making a Difference. University of Canterbury, Christchurch.

Journal article - Review	Gilderdale, P. D. (2015). American holiday postcards, 1905–1915: Imagery and Context. <i>Early Popular Visual Culture</i> , 13(3), 246–248. Retrieved from: http://www.tandfonline.com/loi/repv20
Oral presentation	Gilderdale, P. D. (2015, January). The first Facebook: card sending in New Zealand, 1880 – 1920. Presented at the AUT, Auckland.

RACHELLE MOORE

Publication Type	Citation
Conference contribution - Published Abstract	Smith, A. E. & Moore, R. (2015). Translating the Traditional to the Digital. In Newington. In <i>The Loop 4 Knitting: from craft to couture</i> , In <i>The Loop 4 Knitting: from craft to couture</i> . Glasgow University, UK: Glasgow University UK.
Design output	Smith, A. & Moore, R. (2015). AUT Textile Design Lab Brochure [Knitted design output in printed publication]. AUT University: AUT University.
Design output	Smith, A., Moore, R., & Fraser, G. (2015). Dance Costume [Knitted Seamless Textiles]. Oceanic Performance Biennial 2015, Te Vara Nui, Rarotonga.
Design output	Moore, R., Smith, A., & Fraser, G. (2015). Dance Costume – Breath of Air (Atrium). Auckland.
Conference contribution - Published Abstract	Smith, A. & Moore, R. (2015). The Transference of Craft to Digital Knowledge through the Medium of Knitted Textiles. In Ferris. <i>Making Futures 4, Making Futures 4</i> . Plymouth College of Art: Plymouth, UK.
Design output	Moore, R., Smith, A., & Fraser, G. (2015). Dance Costume – Antumbra Performance [Knitted Seamless Textiles]. Peter Leavey Gallery, Wellington.
Design output	Moore, R., Smith, A., & Fraser, G. (2015). Dance Costume – Still Breathing [Knitted Seamless Textiles]. Auckland.

SETH LENETSKY

Publication Type	Citation
Journal article - Article	Lenetsky, S., Brughelli, M., & Harris, N. K. (2015). Shoulder function and scapular position in boxers. <i>Physical Therapy in Sport</i> , 16(4), 355–360. doi: 10.1016/j.ptsp.2015.02.003
Journal article - Article	Lenetsky, S., Nates, R. J., Brughelli, M., & Harris, N. K. (2015). Is effective mass in combat sports punching above its weight? <i>Human Movement Science</i> , 40, 89–97. doi: 10.1016/j.humov.2014.11.016

SEYEDJAMAL ZOLHAVARIEH

Publication Type	Citation
Conference contribution - Oral Presentation - Paper Presentation	Parry, D. & Zolhavarieh, S. (2015). A model of knowledge quality assessment in clinical decision support system. Paper presented at the HINZ 2015, 14th Annual New Zealand's Health Informatics Conference. Christchurch, New Zealand.

SIMON CLARK

Publication Type	Citation
Exhibition	Clark, S. J. (2015). The Royal Queenstown Easter Show [Oil, gold and silver leaf on board.; 650mm x 675mm x 45mm. Three works].Higginson (Curator). 9A Earl St Queenstown: Milford Galleries, 27 May–27 May.
Exhibition	Clark, S. J. (2015). New Works [Oil and gold leaf on board; Three works 649 x 749 x 50 mm [two works] 750 x 748 x 50 mm [one work]].Higginson (Curator). 9A Earl St Queenstown New Zealand: Milford Galleries, 14 October–14 October.

SIMON MCINTYRE

Publication Type	Citation
Exhibition	McIntyre, S. (2015). Three Colours Red [Painting; 1].Melville (Curator). Auckland: Tim Melville Gallery, 10 October-10 October.
Exhibition	McIntyre, S. & Collins, E. (2015). A Certain kind of light [Painting; 11].Melville (Curator). Auckland: Tim Melville Gallery, 14 November-14 November.
Exhibition	McIntyre, S. (2015). Works on Paper [Paintings on paper; 7].Thomsett-Taylor (Curator). Matakana: The Vivian, 26 July-26 July.

STEPHEN REAY

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Bill, A., Collier, G., & Reay, S. (2015). Making Things Happen: Experiments in prototyping from a Hospital Design Lab. Virtuous Circle Summer Cumulus Conference. Milan.
Performance	Reay, S. D., Moran, B., & Waters, S. (2015, September). Live performance of original compositions by avoid!avoid, at "the Others Way" Music Festival (Flying Out Records and bFM presents). [Music]. Pitt St, Auckland, NZ: Flying Out Records.
Report - Non Commissioned	Reay, S. D., Kennedy_good, J., Douglas, R., Jacob, E., Thornhill, B., Short, E., & Munn, J. (2015). Designing together (Reported No. 2015). New Zealand: DHW Lab.
Journal article - Article	Phillips, C. B., Brown, S. D. J., Greenslade, P., Reay, S., Allen, R. B., Easdale, T. A., & Dickie, I. A. (2015). Collembola in Southland beech litter and soil. <i>New Zealand Entomologist</i> , 38(2), 79-87. doi: 10.1080/00779962.2015.1021267
Conference contribution - Workshops or Panel Presentation	Reay, S. D. (2015). The Importance of an 'In Situ' Prototyping Design Space to Improve Patient Experiences. Presented at the Healthcare Congress- Delivering the Future, today.. The Langham Hotel, Auckland, NZ.
Conference contribution - Published Abstract	Reay, S. D., Bill, A., Collier, G., & Kennedy-Good, J. (2015). Designing authentic learning experiences: Interdisciplinary collaboration between design and healthcare. AFRM/NZRA Combined Rehabilitation Meeting 2015. 2 Grey St, Wellington, NZ.
Conference contribution - Oral Presentation - Paper Presentation	Reay, S. D. & Kennedy-Good, J. (2015). Co-Designing healthcare experiences: interdisciplinary collaboration between design and health. Paper presented at the Accelerating Continuous Improvement-7th Annual Ci forum Conference. Stamford Plaza Hotel, Auckland, NZ.
Artwork or artefact	Reay, S. D., Waters, S., & Moran, B. (2015). avoid!avoid - "Black Money" Original composition and audio recording on Flying out Presents The Other's Way, A compilation 2014 [digital audio recording]. Flying out.
Artwork or artefact	Reay, S. D., Moran, B., & Waters, S. (2015). avoid!avoid "low earth orbit" ep. Original composition and audio recording Flying Nun Records FN562 [digital audio recording]. http://flyingout.co.nz/products/avoid-avoid-low-earth-orbit-ep : Flying Nun Records.
Design output	Reay, S. D., Department of, C., & FabLab, C. (2015). Urban Living Wall- Cashel and High Streets, Christchurch. Christchurch, NZ.
Design output	Reay, S. D., Kennedy-Good, J., Douglas, R., & Hayes, N. (2015). Design for Health and Wellbeing Lab. Auckland City Hospital Design Studio.

Conference contribution – Paper Published in Proceedings	Reay, S. D., Collier, G., Bill, A., Kennedy–Good, J., & Old, A. (2015). Designing New Healthcare Experiences: prototyping a physical space that enables a design approach to improving patient experiences in hospital. In Christer. Proceedings of the 3rd European Conference on Design4Health, Design4Health, 3rd European Conference on Design4Health. Sheffield, UK.
Performance	Reay, S. D., Moran, B., & WATERS, S. (2015, March). Live performance of original compositions by Avoid! Avoid. Performer and Composer of original material. Eclecta’ fest [Music]. St Kevins Arcade, K Rd, Auckland: Wine Cellar/Whammy.
Conference contribution – Paper Published in Proceedings	Loy, J., Reay, S. D., & White, D. (2015). Raising our Game: Creating new learning experiences with research collaborations. Great Expectations: Design Teaching, Research & Enterprise: 17th International Conference on Engineering and Product Design Education. Loughborough University, UK.
Performance	Reay, S. D. (2015, October). Live performance of original compositions by avoid!avoid, supporting “The Fall”, Powerstation, Auckland, 17th October. [Music]. Mt Eden Rd, Auckland, NZ: Power station.
Conference contribution – Paper Published in Proceedings	Loy, J., Reay, S. D., & White, D. (2015). Raising our Game: Creating new learning experiences with research collaborations. Great Expectations: Design Teaching, Research & Enterprise: 17th International Conference on Engineering and Product Design Education. Loughborough University, UK.
SUE GALLAGHER	
Publication Type	Citation
Exhibition	Gallagher, S. (2015). 2015 Prague Quadrennial of Performance Design and Space, New Zealand National Exhibition Ahua o te Rangi [Performance Design moving image installation].A. Yates & S. Foster (Curators). Prague, Czech Republic: Kafka House, Prague Quadrennial of Performance Design and Space, 28 June–28 June.
SUE JOWSEY	
Publication Type	Citation
Exhibition	Jowsey (F4 Artist Collective, S. & Williams (F4 Artist Collective), M. (2015). Infiltrations II, The House Guest by F4 [Photography, sound, video, web and song; variable]. Whanganui: Whanganui Regional Museum, 31 March–31 March.
SUSAN HEDGES	
Publication Type	Citation
Oral presentation	Hedges, S. (2015, January). Drawing Is/Not Building. Presented at the Adam Art Gallery, Victoria University of Wellington.
THOMAS MICAL	
Publication Type	Citation
Journal article – Article	Mical, T. (2015). Multiplicity of landscape arrays. <i>Kerb: Journal of Landscape Architecture</i> , (23), 22–25. Retrieved from: https://search.informit.com.au/documentSummary;dn=447269972497564;res=IELHSS
TINA ENGELS-SCHWARZPAUL	
Publication Type	Citation
Oral presentation	Engels–Schwarzpaul, A. – C. (2015, January). Travelling houses: global encounters. Presented at the Hotel Santa Fe conference center, Santa Fe, NM, USA.

Journal article – Article	Engels-Schwarzpaul, A. – C. (2015). Cosmopolitan Outlook: Opening Doors and Letting Learn. <i>Psychosociological Issues in Human Resource Management</i> , 3(2), 161-171. Retrieved from: http://www.addletonacademicpublishers.com/about-pihrm
Oral presentation	Engels-Schwarzpaul, A. – C. & Refiti, A. L. (2015, January). Travelling Houses. Pacific architecture in the diaspora. Presented at the School of Architecture, University of Hawai'i, Manoa, Honolulu, USA.
Journal article – Article	Engels-Schwarzpaul, A. – C. (2015). The offerings of fringe figures and migrants. <i>Educational Philosophy and Theory</i> , 1-16. Retrieved from: http://www.tandfonline.com/doi/full/10.1080/00131857.2014.991504#.VLc52HsSrYE
Conference contribution – Published Abstract	Engels-Schwarzpaul, A. – C. & Refiti, A. F. (2015). Pacific spaces – performing identities in diasporic networks (Working session panel abstract). The European Society for Oceanists (ESfO) 2015 'Europe and the Pacific'. Retrieved from: http://www.pacific-studies.net/conferences/public.php?confID=1
Conference contribution – Paper Published in Proceedings	Engels-Schwarzpaul, A. – C. (2015). Spaces of appearance: Atmospheres and ecstasies across cultures. <i>ARCHTHEO '15</i> , 9, (pp. 436-446). DAKAM Publishing.
Conference contribution – Oral Presentation – Paper Presentation	Engels-Schwarzpaul, A. – C. (2015). Performing diasporic relationships: Pacific houses in Europe. Paper presented at the 10th Conference of the European Society for Oceanists: Europe and the Pacific, Brussels. Thon Hotel, Brussels, Belgium.
Journal article – Article	Tina Engels-Schwarzpaul, A. – C. (2015). Response. <i>Educational Philosophy and Theory</i> , doi: 10.1080/00131857.2014.1000570
Journal article – Article	Engels-Schwarzpaul, A. – C. (2015). The Ignorant Supervisor: About common worlds, epistemological modesty and distributed knowledge. <i>Educational Philosophy and Theory</i> , 47(12), 1250-1264. doi: 10.1080/00131857.2015.1041443
Conference contribution – Oral Presentation – Paper Presentation	Engels-Schwarzpaul, A. – C. (2015). Atmosphere: In-betweenness and intercultural spatial production. Paper presented at the Production Sites: Resituating the Culture of Architectural Knowledge. The Bartlett UCL, London.

TRAVIS MCMASTER

Publication Type	Citation
Chapter or section in books	McMaster, D. T., McGuigan, M., & Gill, N. D. (2015). Strength and power training for rugby. In C. Twist & P. Worsfold (Eds.), <i>The science of rugby</i> (pp. 19-35). London, UK: Routledge.

WELBY INGS

Publication Type	Citation
Other form of output	Ings, W. (2015). The Touch of the Luthier [Introductory essay for Lindsay Marks' Exhibition Catalogue Small Wood Music Boxes]. Catalogue 1-2. Object Space Gallery Catalogue: Lindsay Marks.
Oral presentation	Ings, W. (2015, January). Creativity, productive disobedience and the effective scholar. Presented at the Laucala Campus., University of the South Pacific, 5.00 – 6.00pm Suva.:
Conference contribution – Oral Presentation – Keynote	Ings, W. (2015). Beyond the Marshmallow Cocoon: Risk, transformation, and disobedient thought. [Keynote]. Presented at the National Tertiary Learning & Teaching Conference. The Tauranga Club, Tauranga.
Journal article – Article	Ings, W. (2015). Malleable Thought: The Role of Craft Thinking in Practice-Led Graphic Design. <i>International Journal of Art and Design Education</i> , 34(2), 180-191. doi: 10.1111/jade.12013

Conference contribution – Oral Presentation – Keynote	Ings, W. (2015). The dangers of sleeping with your social editor. [Keynote]. Presented at the National Association of Secondary Deputy and Assistant Principals (NASDAP) conference. Sky City Convention Centre, Auckland.
Design output	Ings, W. (2015). When We Go to War [Title sequence for six-part television drama.]. New Zealand: Television One.
Artwork or artefact	Ings, W. (2015). Illuminate – When We Go To War. [Film; Fifteen-meter projection]. The exterior northern façade of the Auckland Memorial Museum.: Auckland War Memorial Museum.
Conference contribution – Oral Presentation – Plenary	Ings, W. (2015). The Voice of the Thesis: Recent developments in approaches to presenting thesis and journal articles. [Plenary]. Presented at the Postgraduate Research Writing Residency. Lali Room 2, (3.15 – 4.15pm), University of the South Pacific, Suva: Laucala Campus..
Journal article – Article	Ings, W. (2015). Performing prodigals and dissident acolytes: supporting queer postgraduates in the visual arts. Higher Education Research and Development, 34(4), 735-749. doi: 10.1080/07294360.2015.1051003
Chapter or section in books	Ings, W. (2015). The lexicon of the male sex worker: A case study of New Zealand’s metaphorical clustering. In P. Hanks & M. de Schryver (Eds.), International Handbook of Modern Lexis and Lexicography (pp. 1-14). Berlin Heidelberg: Springer.
Conference contribution – Oral Presentation – Keynote	Ings, W. (2015). Disobedient thought, mental health and creative genius. [Keynote]. Presented at the Manawanui conference. Fairway conference centre, Glenfield 1.00–2.30pm, Auckland.
Journal article – Article	Ings, W. (2015). When we go to War: Multimodality and film title design. Multimodal Communication, 4(2), 167-179. Retrieved from: http://degruyter.com/
Conference contribution – Oral Presentation – Keynote	Ings, W. (2015). Unknown realities: Universities and the protean. [Keynote]. Presented at the Australasian Council of Open Distance and e-learning Conference. WG 308, AUT University.
Chapter or section in books	Ings, W. (2015). A woman walking: Thinking, materiality and form in the ceramics of Maarit Makela. (pp. 8-11). AUT University Auckland: St Paul’s St Gallery.
Journal article – Article	Ings, W. (2015). Supporting the genius of disobedient thought. Tall Poppies: The journal of the New Zealand Association for Gifted Children, 40(3), 4-5.
Journal article – Article	Ings, W. (2015). The Authored Voice: Emerging approaches to exegesis design in creative practice PhDs. Educational Philosophy and Theory, 47(12), 1277-1290. doi: 10.1080/00131857.2014.974017

ANDY CONNOR	
Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Sosa, R. & Connor, A. M. (2015). !orthodoxies in multidisciplinary design-oriented degree programmes. Interplay 2015. Retrieved from: http://iasdr2015.com/wp-content/uploads/2014/06/IASDR-Preliminary-Program-Papers_Final3.pdf
Journal article – Article	Connor, A. M. & Gavin, J. (2015). Reinventing the arcade: Computer game mediated play spaces for physical interaction. <i>EAI Endorsed Transactions on Creative Technologies</i> , 2(5), e4. doi: 10.4108/eai.20-10-2015.150098
Journal article – Article	Connor, A. M., Karmokar, S., & Whittington, C. (2015). From STEM to STEAM: Strategies for enhancing engineering & technology education. <i>International Journal of Engineering Pedagogy</i> , 5(2), 37-47. Retrieved from: http://online-journals.org/index.php/i-jep/issue/view/236
Conference contribution – Paper Published in Proceedings	Sosa Medina, R. & Connor, A. M. (2015). A computational intuition pump to examine group creativity: building on the ideas of others. International Association of Societies of Design Research IASDR 2015. Retrieved from: http://iasdr2015.com/wp-content/uploads/2014/06/IASDR-Preliminary-Program-Papers_Final3.pdf
Journal article – Article	Martin, M., Charlton, J., & Connor, A. M. (2015). Mainstreaming Video Annotation Software for Critical Video Analysis. <i>Journal of Technologies and Human Usability</i> , 11(3), 1-13. Retrieved from: http://jthu.cgpublisher.com/product/pub.296/prod.15/m.2
Chapter or section in books	Connor, A. M., Marks, S., & Walker, C. (2015). Creating creative technologists: Playing with(in) education. In N. Zagalo & P. Branco (Eds.), <i>Creativity in the Digital Age</i> Springer.
Conference contribution – Paper Published in Proceedings	Karmokar, S., Connor, A. M., & Sosa, R. (2015). From Spheres Towards Spaces in Design and Creative Technology. 10th European Conferences in Innovation and Entrepreneurship. Retrieved from: http://academic-conferences.org/ecie/ecie2015/ecie15-proceedings.htm
Journal article – Article	Kruse, J. & Connor, A. M. (2015). Multi-agent evolutionary systems for the generation of complex virtual worlds. <i>EAI Endorsed Transactions on Creative Technologies</i> , 2(5), e5. doi: 10.4108/eai.20-10-2015.150099
ANNA JACKSON	
Publication Type	Citation
Oral presentation	Jackson, A. (2015, January). In Pieces and in Bits: Rethinking Public Media in New Zealand. Presented at the University of Auckland, Room 501, Arts 2, University of Auckland.
Journal article – Article	Jackson, A. G. (2015). Launching loading docs: A reflection on the first year of a documentary innovation experiment from a producer/researcher perspective. <i>Pacific Journalism Review</i> , 22(No. 2), 99-109. Retrieved from: http://search.informit.com.au/documentSummary;dn=527112254338951;res=IELHSS
CHARLES WALKER	
Publication Type	Citation
Design output	Walker, C. (2015). <i>Future Islands : The New Zealand National Exhibition at the 2016 Venice Architecture Biennale [Design Competition: Exhibition Design]</i> . Auckland: New Zealand Institute of Architects.

Conference contribution – Paper Published in Proceedings	Walker, C. & McMeel, D. (2015). Urban Prototyping: Socializing the Design to Fabrication process. In G. Celani, D. M. Sperling & J. M. S. Franco. The next city – New technologies and the future of the built environment, 16th International Conference CAAD Futures 2015. (pp. 77-89). Retrieved from: http://cumincad.scix.net/cgi-bin/works/Home
Chapter or section in books	Connor, A. M., Marks, S., & Walker, C. (2015). Creating creative technologists: Playing with(in) education. In N. Zagalo & P. Branco (Eds.), Creativity in the Digital Age Springer.

CLINTON WATKINS

Publication Type	Citation
Exhibition	Watkins, C., De Andres, I., Biscotti, R., Domenec,, & Rivero, L. (2015). Avalance [video / sound; 1]. Moss (Curator). Madrid, Spain: Encarnaclon Gonzalez 8 gallery, 29 May–29 May.
Exhibition	Watkins, C., Carr, S., King, D., Oram, J., Parkes, M., Peren, N., ... Whyte, D. (2015). Eternal Wave / Feedback [Video / sound; 2]. Titirangi, West Auckland, New Zealand: Te Uru Waitakere Contemporary Gallery, 11 October–11 October.
Exhibition	Watkins, C. (2015). This is not an Archive [Photography/sound; 1].A. Craig–Smaith & C. McBride (Curators). Titirangi, West Auckland, New Zealand: Te Uru Waitakere Contemporary Gallery, 19 April–19 April.
Exhibition	Watkins, C. & Oh, S. (2015). Hondon [video/sound; 1].Clifford (Curator). Titirangi, West Auckland, New Zealand: Te Uru Waitakere Contemporary Gallery, 8 November–8 November.
Conference contribution – Oral Presentation – Paper Presentation	Antonczak, L., Schlesor, M., Watkins, C., Cardona, F., & Cochrane, T. (2015). Carte blanche to MINA Festival: #MINA & Sound Projects. Paper presented at the Mobile Creation: International mobile phone and design symposium. Paris, France.
Oral presentation	Watkins, C., Heynes, M., Pollmuller, B., & Ktori, A. (2015, January). Technologies within art school: how can we be more active agents exploring, using and critically engaging with available technologies. Presented at the Massey University, College of Creative arts.

FRANCES JOSEPH

Publication Type	Citation
Journal article – Article	Otter, S., Rome, K., Ihaka, B., South, A., Smith, M., Gupta, A., ... Heslop, P. (2015). Protective socks for people with diabetes: A systematic review and narrative analysis. <i>Journal of Foot and Ankle Research</i> , 8, 9. doi: 10.1186/s13047-015-0068-7
Book – Edited Book	Smith, A. E., Joseph, F., Smitheram, M., & Hamon, J. (2015). Shapeshifting: A Conference on Transformative Paradigms of Fashion and Textile Design. Retrieved from: http://aut.researchgateway.ac.nz/handle/10292/8553

GORDON FRASER

Publication Type	Citation
Design output	Smith, A., Moore, R., & Fraser, G. (2015). Dance Costume [Knitted Seamless Textiles]. Oceanic Performance Biennial 2015, Te Vara Nui, Rarotonga.
Design output	Moore, R., Smith, A., & Fraser, G. (2015). Dance Costume – Breath of Air (Atrium). Auckland.
Design output	Moore, R., Smith, A., & Fraser, G. (2015). Dance Costume – Antumbra Performance [Knitted Seamless Textiles]. Peter Leavey Gallery, Wellington.
Design output	Moore, R., Smith, A., & Fraser, G. (2015). Dance Costume – Still Breathing [Knitted Seamless Textiles]. Auckland.

LAURENT ANTONCZAK

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Cochrane, T., Antonczak, L., & Narayan, V. (2015). A mobile augmented reality movie primer. In Antonczak. #MINA2014 Fourth International Mobile Creativity and Mobile Innovation Symposium, Mobile Innovation Network Aotearoa [MINA] 2014. Retrieved from: https://mina.aut.ac.nz/research/mina2014proceedings/
Conference contribution - Paper Published in Proceedings	Cochrane, T. & Antonczak, L. (2015). Developing students' professional digital identity. In I. Sanchez & P. Isaias. 11th International Conference on Mobile Learning, 11th International Conference on Mobile Learning. (pp. 27-34). Retrieved from: http://www.iadisportal.org/digital-library/developing-students%C2%92-professional-digital-identity
Conference contribution - Paper Published in Proceedings	Antonczak, L. (2015). Developing students' professional digital identity. 11th International Conference on Mobile Learning 2015 (ML 2015). Retrieved from: http://www.iadis.org/
Oral presentation	Antonczak, L. (2015, January). AUT : MINA & CATALYST present Mobile Video 2.0: trend & tricks. Presented at the AUT South, Manukau, MD210.
Design output	Antonczak, L. (2015). Des Ailleurs – Mobile documentary [video]. Online: VIMEO.
Journal article - Article	Cochrane, T. & Antonczak, L. (2015). Designing Creative Learning Environments. <i>Interaction Design and Architecture(s)</i> , 24(Special issue on: Peer-to-Peer Exchange and the Sharing Economy: Analysis, Designs, and Implications), 124-144. Retrieved from: http://www.mifav.uniroma2.it/inevent/events/idea2010/index.php?s=10&a=11&link=ToC_24_P&link=24_8_abstract
Conference contribution - Paper Published in Proceedings	Cochrane, T., Narayan, V., & Antonczak, L. (2015). Designing Collaborative Learning Environments Using Mobile AR. In S. Carliner, C. Fulford & N. Ostashewski. <i>EdMedia 2015--World Conference on Educational Media and Technology, EdMedia 2015--World Conference on Educational Media and Technology.</i> , 2015(1), (pp. 1394-1402). Retrieved from: http://www.editlib.org/p/151416/
Oral presentation	Antonczak, L. (2015, January). Going mobile. Presented at the Seafarers - Britomart, Auckland, Spark Lab Studio.
Exhibition	Antonczak, L. & Cochrane, T. (2015). LTDF 2014 poster showcase [poster; 1]. WG Level 2 Forum, MD Level 2, AF Foyer: AUT University, Auckland, 19 February-19 February.
Journal article - Article	Cochrane, T. & Antonczak, L. (2015). Connecting the theory and practice of mobile learning: a framework for creative pedagogies using mobile social media. <i>Media Education</i> , 6(2), 248-269. Retrieved from: http://riviste.erickson.it/med/en/2015/connecting-the-theory-and-practice-of-mobile-learning-a-framework-for-creative-pedagogies-using-mobile-social-media/
Conference contribution - Oral Presentation - Paper Presentation	Antonczak, L., Schlesor, M., Watkins, C., Cardona, F., & Cochrane, T. (2015). Carte blanche to MINA Festival: #MINA & Sound Projects. Paper presented at the Mobile Creation: International mobile phone and design symposium. Paris, France.
Conference contribution - Published Abstract	Cochrane, T., Narayan, V., & Antonczak, L. (2015). Mobile Learning, Altmetrics, and SOTEL. In M. Berry & L. Antonczak. 5th Mobile Creativity and Mobile Innovation Symposium, 5th Mobile Creativity and Mobile Innovation Symposium. (pp. 24-24). Retrieved from: https://www.rmit.edu.au/events/all-events/conferences/2015/november/mobile-creativity-and-mobile-innovation-symposium/#pagel=overview

LESLEY KAISER

Publication Type	Citation
Journal article - Article	Kaiser, L. J. (2015). Multimodal books in a tertiary context: Bridging the gap between traditional book arts and new technologies. <i>The International journal of the book</i> , 12(3-4), 11-26.

Conference contribution – Oral Presentation – Paper Presentation	Kaiser, L. (2015). Art and Design: An Evolutionary and Cognitive Approach. Paper presented at the Art + Design. A Symposium., Conference proceedings booklet(2015), 2, 6–19. Dunedin School of Art. Room P152, Dunedin, New Zealand.
Exhibition	Kaiser, L. (2015). POST ART Ceramic Plates (x4) in Art and Design. An exhibition [Group exhibition] [Ceramics and mixed media; POST ART Ceramic Plates (x4)].C. Humphreys & M. Galloway (Curators). 419 Great King St, North Dunedin, Dunedin 9016.: Skinner Annex Postmaster Gallery, Otago Museum, 21 October–21 October.

RICARDO SOSA MEDINA

Publication Type	Citation
Chapter or section in books	Sosa Medina, R., Kiah Hwee, T., Mohan, R. E., & Tan, N. (2015). Analysing the innovation growth of robotic pets through patent data mining. In Chakrabarti (Ed.), ICoRD'15–Research into Design Across Boundaries Volume 2, 35, (pp. 365–374). India: Springer.
Oral presentation	Sosa Medina, R. (2015, January). Showcase: Assessment practices from across the Faculty. Presented at the Te Ara Auaha Design & Creative Technologies, AUT, WA Level 6 boardroom, City Campus.
Journal article – Abstract	Sosa Medina, R., Toan, D., Pomponiu, V., Zheng, H., Zhao, C., Cheung, N. M., ... Tan, S. H. (2015). Designing a mobile imaging system for early melanoma detection. <i>Journal of the American Academy of Dermatology</i> , 72(5), AB89. Retrieved from: http://www.jaad.org/article/S0190-9622(15)00485-5/abstract
Chapter or section in books	Sosa Medina, R., Lee, J. B., Albarran, D., & Otto, K. (2015). From concept to specification maintaining early design intent. In Chakrabarti (Ed.), ICoRD'15 – Research into Design Across Boundaries Volume 2, 35, (pp. 445–457). India: Springer.
Conference contribution – Paper Published in Proceedings	Sosa Medina, R., Chen Zhao, J., Cheung, N. M., & Chin-Ing Koh, D. (2015). Design self-diagnosis applications for non-patients. In B. Begole & J. Kim. <i>Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems, Human Factors in Computing Systems.</i> (pp. 1433–1438). Retrieved from: http://dl.acm.org/citation.cfm?id=2702613.2732865
Conference contribution – Poster Presentation	Sosa Medina, R. (2015). Beyond “Design Thinking”. Poster presented at the International Association of Societies of Design Research 2015. QUT.
Conference contribution – Paper Published in Proceedings	Sosa Medina, R. (2015). Analogies Drive Abduction: The Logic of Innovation. International Association of Societies of Design Research 2015. Retrieved from: http://iasdr2015.com/the-congress/
Conference contribution – Paper Published in Proceedings	Sosa Medina, R. & Connor, A. M. (2015). A computational intuition pump to examine group creativity: building on the ideas of others. International Association of Societies of Design Research IASDR 2015. Retrieved from: http://iasdr2015.com/wp-content/uploads/2014/06/IASDR-Preliminary-Program-Papers_Final3.pdf
Journal article – Article	Nansai, S., Rojas, N., Elara, M. R., Sosa, R., & Iwase, M. (2015). On a Jansen leg with multiple gait patterns for reconfigurable walking platforms. <i>ADVANCES IN MECHANICAL ENGINEERING</i> , 7(3), doi: 10.1177/1687814015573824
Conference contribution – Workshops or Panel Presentation	Sosa Medina, R. (2015). Creativity across Disciplines. Presented at the Tertiary Education Research in New Zealand. AUT, Auckland.

Conference contribution – Paper Published in Proceedings	Tan, N., Mohan, R. E., Wong, Y. Y., & Sosa Medina, R. (2015). Robot ergonomics: A case study of chair design for Roomba. <i>Robot and Human Interactive Communication (RO-MAN)</i> , 2015. (pp. 246–251). Retrieved from: http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=7333566&tag=1
Journal article – Article	Sosa Medina, R. & Gero, J. S. (2015). Multi-dimensional creativity: a computational perspective. <i>International Journal of Design Creativity and Innovation</i> , 25. Retrieved from: http://www.tandfonline.com/doi/abs/10.1080/21650349.2015.1026941
Conference contribution – Paper Published in Proceedings	Sosa, R. & Connor, A. M. (2015). !orthodoxies in multidisciplinary design-oriented degree programmes. <i>Interplay 2015</i> . Retrieved from: http://iasdr2015.com/wp-content/uploads/2014/06/IASDR-Preliminary-Program-Papers_Final3.pdf
Oral presentation	Sosa Medina, R. (2015, January). Assessing creative ideas in a Fluid Mechanics design project: experiences and open questions. Presented at the Politecnico di Milano, Milan, Italy.
Journal article – Article	Mohan, R. E., Tan, N., Sosa Medina, R., & Tjoelsen, K. (2015). Designing the robot inclusive space challenge. <i>Digital Communications and Networks</i> , Retrieved from: http://www.sciencedirect.com/science/article/pii/S2352864815000462
Journal article – Article	Tan, N., Rojas, N., Mohan, R. E., Kee, V., & Sosa, R. (2015). Nested reconfigurable robots: Theory, design, and realization. <i>International Journal of Advanced Robotic Systems</i> , 12, doi: 10.5772/60507

SANGEETA KARMOKAR

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Karmokar, S., Connor, A. M., & Sosa, R. (2015). From Spheres Towards Spaces in Design and Creative Technology. 10th European Conferences in Innovation and Entrepreneurship. Retrieved from: http://academic-conferences.org/ecie/ecie2015/ecie15-proceedings.htm
Journal article – Article	Connor, A. M., Karmokar, S., & Whittington, C. (2015). From STEM to STEAM: Strategies for enhancing engineering & technology education. <i>International Journal of Engineering Pedagogy</i> , 5(2), 37–47. Retrieved from: http://online-journals.org/index.php/i-jep/issue/view/236

SHARON MAZER

Publication Type	Citation
Journal article – Review	Mazer, S. (2015). Book Review: <i>Theatre and Performance in the Asia-Pacific: Regional Modernities in the Global Era</i> . By Denise Varney, Peter Eckersall, Chris Hudson, and Barbara Hatley. <i>Studies in International Performance</i> . New York: Palgrave Macmillan, 2013. <i>Theatre Survey</i> , 56(3), 429–431. Retrieved from: http://journals.cambridge.org.ezproxy.aut.ac.nz/action/displayIssue?decade=2010&jid=TSY&volumeld=56&issuelid=03&iid=9942349
Journal article – Article	Mazer, S. (2015). <i>Quake City</i> . <i>Performance Research</i> , 20(3), 163–172. Retrieved from: http://www.tandfonline.com.ezproxy.canterbury.ac.nz/toc/rprs20/20/3

STEFAN MARKS

Publication Type	Citation
Chapter or section in books	Connor, A. M., Marks, S., & Walker, C. (2015). Creating creative technologists: Playing with(in) education. In N. Zagalo & P. Branco (Eds.), <i>Creativity in the Digital Age</i> Springer.
Book – Edited Book	Marks, S. & Blagojevic,, R. (2015). Proceedings of the sixteenth Australasian User Interface Conference (AUIC 2015), 162, 94. Retrieved from: http://crpit.com/Vol162.html

Design output	Van Melle, G. & Marks, S. (2015). Digital Lei. SLM 3D printed ritual sound objects. [SLM 3D printed ritual sound files]. Rarotonga, Cook Islands. Aomori, Japan: Fluid States: Performances of Unknowing PSi #21.
Conference contribution - Paper Published in Proceedings	Shaw, L. A., Wünsche, B., Lutteroth, C., Marks, S., Buckley, J., & Corballis, P. (2015). Development and evaluation of an exercycle game using immersive technologies. In A. Maeder, & J. Warren,. Conferences in Research and Practice in Information Technology (CRPIT), 8th Australasian Workshop on Health Informatics and Knowledge Management (HIKM 2015), 164, (222 pages). Retrieved from: http://crpit.com/Vol164.html
Conference contribution - Paper Published in Proceedings	Shaw, L. A., Wünsche, B., Lutteroth, C., Marks, S., & Callies, R. (2015). Challenges in virtual reality exergame design. In S. Marks, & R. Blagojevic,. Conferences in Research and Practice in Information Technology (CRPIT), AUIC 2014., 162, (94 pages). Retrieved from: http://crpit.com/Vol162.html
Exhibition	van Melle,, G. & Marks, S. (2015). PUA at White Night [Interactive Projection; 1].A. Yates, & S. Foster, (Curators). Auckland, New Zealand: Auckland University of Technology, 14 March-14 March.
Exhibition	Van Melle, G. & Marks, S. (2015). PUA [Installation; 1].A. Yates & S. Foster (Curators). Colloredo-Mansfeld Palace - City Gallery Prague: Prague Quadrennial 2015, 28 August-28 August.
Exhibition	van Melle, G. & Marks, S. (2015). Sleeping with Bees [Installation]. Ponsonby, Auckland: Studio One Toi Tū, 12 December-12 December.
Conference contribution - Published Abstract	Marks, S., Estevez, J., & Scott, N. (2015). Immersive visualisation of 3-dimensional neural network structures. 13th International Conference on Neuro-Computing and Evolving Intelligence (NCEI) 2015. Retrieved from: http://www.kedri.aut.ac.nz/conferences/ncei15

COMMUNICATION STUDIES

ANGELIQUE NAIRN	
Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Nairn, A. M., Nelson, F. M., & Johnson, R. J. K. (2015). Power & persuasion: constructing identity in religious communications. In D. Paterno, M. Bourk & D. Matheson. Refereed Proceedings of the Australian and New Zealand Communication Association Conference: Rethinking Communication, Space and Identity, 2015, Retrieved from: http://www.anzca.net/documents/2015-conf-papers/845-anzca15-nairn-nelson-johnson.html
BARRY KING	
Publication Type	Citation
Journal article - Editorial Comment	King, B. (2015). Editorial: A complicated post-documentary era. <i>Pacific Journalism Review</i> , 21(2), 6-9. Auckland University of Technology.
Chapter or section in books	King, B. (2015). Stardom, Celebrity, and the Moral Economy of Pretending. In D. Marshall (Ed.), <i>A Companion to Celebrity</i> ISBN 978-1-118-47501-0 (pp. 315-326). London: Wiley.
Book - Edited Book	Robie, D., King, B., Cass, P., & Bacon, W. (2015). Political Journalism in the Asia-Pacific. Retrieved from: http://www.pmc.aut.ac.nz/
BRYN EVANS	
Publication Type	Citation
Oral presentation	Evans, B. (2015, January). 'It's training man!' Membership categorisation and the situated moral order of basketball training. Presented at the Faculty of Communication Sciences, University of Duisburg-Essen, Essen, Germany.
Oral presentation	Evans, B. (2015, January). Correction as situated action: Reenactments in basketball coaching. Presented at the The Linnaeus Centre for Research on Learning, Interaction and Mediated Communication in Contemporary Society, University of Gothenburg, Gothenburg, Sweden.
Conference contribution - Oral Presentation - Paper Presentation	Evans, B. & Fitzgerald, R. (2015). The categorical and sequential flow of embodied participation in basketball coaching. Paper presented at the Revisiting Participation: Language and Bodies in Interaction. University of Basel, Basel, Switzerland.
Conference contribution - Oral Presentation - Paper Presentation	Evans, B. (2015). Sports coaching as situated interaction: Outline of an ethnomethodological approach to the coaching process. Paper presented at the North American Society for the Sociology of Sport 2015 Conference. Eldorado Hotel, Santa Fe, New Mexico.
Conference contribution - Oral Presentation - Paper Presentation	Evans, B. & Fitzgerald, R. (2015). Category and sequence as embodied action: Basketball coaching.. Paper presented at the International Institute for Ethnomethodology and Conversation Analysis (IEMCA) Conference 2015. University of Southern Denmark, Kolding, Denmark.
CHRISTINA MILLIGAN	
Publication Type	Citation
Film and Video	Milligan, C., Grant, R., & Webby, K. (Producers), Webby, (Director). (2015). <i>The Price of Peace</i> [Digital Cinema Package (DCP)]. Auckland.
Journal article - Article	Milligan, C. (2015). Sites of Exuberance: Barry Barclay and Fourth Cinema Ten Years On. <i>International Journal of Media and Cultural Politics</i> , 11((3)), 347-359. Retrieved from: http://www.intellectbooks.co.uk/journals/view-Journal,id=122/view,page=0/

Oral presentation	Milligan, C. (2015, January). Story editing in film: The editor as interface between the writer and the market. Presented at the Research Symposium, Auckland University of Technology, Auckland.
Conference contribution – Oral Presentation – Paper Presentation	Milligan, C. (2015). What Does The Script Consultant Do?. Paper presented at the 8th Screenwriting Research Network International Conference. Institute of English Studies, University of London, London.
Journal article – Article	Milligan, C. (2015). Noho Rewa: The Wrongful Occupation of Hawai'i. [Interview with Anne Keala Kelly]. <i>Pacific Journalism Review</i> , 21(2), 132-139. Retrieved from: http://www.pmc.aut.ac.nz/publications/pacific-journalism-review

DAVE BROWN

Publication Type	Citation
Conference contribution – Oral Presentation – Paper Presentation	Rush, E., Yan, M., Parsons, A., Kelleher, J., & Brown, D. (2015). Concept to sale of a healthier snack bar. Paper presented at the Food Structures, Digestion and Health, 3rd International Conference. Wellington.
Journal article – Article	Brown, D., Donaldson, B., Parsons, A., Macrae, D., Kelleher, J. P., Yan, M., & Rush, E. (2015). The NOTHING ELSE brand: A case study. <i>Food and Nutrition Sciences</i> , 6, 332-338. doi: 10.4236/fns.2015.63033
Journal article – Article	Yan, M., Brown, D., Parsons, A., Whalley, G., Hamid, N., Kantano, K., ... Rush, E. (2015). Branding, ingredients and nutrition information: Consumer liking of a healthier snack. <i>Journal of Food Research</i> , 4(5), doi: 10.5539/jfr.v4n5p64

DAVID ROBIE

Publication Type	Citation
Journal article – Review	Robie, D. (2015). The struggle for media freedom amid jihadists, gaggers and 'democratators' [Review]. <i>Pacific Journalism Review</i> , 21(2), 197-199. Retrieved from: http://www.pjreview.info/articles/review-struggle-media-freedom-amid-jihadists-gaggers-and-democratators-1066
Oral presentation	Robie, D. (2015, January). >> Journalism as research – # Research as journalism. Presented at the University of the South Pacific, Suva, Fiji.
Book – Authored Book	Robie, D. (2015). <i>Eyes of Fire: The Last Voyage of the Rainbow Warrior</i> . 180. Retrieved from: http://littleisland.co.nz/books/eyes-fire
Book – Edited Book	Robie, D., King, B., Cass, P., & Bacon, W. (2015). <i>Political Journalism in the Asia-Pacific</i> . Retrieved from: http://www.pmc.aut.ac.nz/
Journal article – Article	Robie, D. (2015). La'o Hamutuk and Timor-Leste's development challenges : A case study in human rights and collaborative journalism. <i>Media Asia</i> , 42, Retrieved from: http://www.tandfonline.com/doi/abs/10.1080/01296612.2016.1142247
Other form of output	Robie, D. (2015). <i>Rainbow Warrior's truth-seeking remembered</i> [Both print and online editions]. 25-28. Retrieved from: https://pen.org.au/pen-magazine/
Conference contribution – Published Abstract	Robie, D. & Abcede, D. (2015). Cybercrime, criminal libel and the media: From 'e-martial law' to the Magna Carta in the Philippines. Twentieth Anniversary of <i>Pacific Journalism Review: Political journalism in the Asia-Pacific</i> , 21(1), Retrieved from: http://www.pjreview.info/volume-21/issue-1
Conference contribution – Oral Presentation – Paper Presentation	Robie, D. (2015). The insecurity legacy of the Rainbow Warrior affair: A paradigm shift from nuclear to climate change refugees. Paper presented at the Rethinking regional security: Research and policy nexus symposium. Christchurch, University of Canterbury/Australian National University.

Report – Commissioned	Robie, D. (2015). Freedom of the Press Report 2015 [Freedom House]. [Commissioned by Freedom House]. 467. New York: Freedom House.
Conference contribution – Paper Published in Proceedings	Robie, D. (2015). La'o Hamutuk and Timor-Leste's Development Challenges: A case study in human rights and collaborative journalism. 24th Asian Media Information and Communication Centre (AMIC) Conference. Media City, Dubai, United Arab Emirates.
Oral presentation	Robie, D. (2015, January). The digital media revolution, a free press and student journalism. Presented at the Oceania Centre, University of the South Pacific, Suva, Fiji.
Conference contribution – Oral Presentation – Plenary	Robie, D. (2015). AMIC Distinguished Forum 2015: Communication and media education in an 'e-century': A Pacific perspective [Plenary]. Presented at the 24th Asian Media Information and Communication Centre (AMIC) Conference. American University in Dubai, Media City, Dubai, United Arab Emirates.
Journal article – Article	Robie, D. (2015). Advocating journalism practice-as-research: A case for recognition in the New Zealand PBRF context. <i>Asia Pacific Media Education</i> , 25(1), 62-73. Retrieved from: http://ame.sagepub.com/content/25/1/62.abstract
Conference contribution – Oral Presentation – Paper Presentation	Robie, D. (2015). Peace journalism v. 'war voyeurism': An alternative strategy for news media. Paper presented at the World Without War: Action for Peace. Auckland University of Technology, Auckland, New Zealand.
Other form of output	Robie, D. (2015). Eyes of Fire : 30 Years On [Online Microsite]. Retrieved from: http://eyes-of-fire.littleisland.co.nz/
Other form of output	Robie, D. (2015). Fiji's media still struggling to regain 'free and fair' space [The Conversation]. Online Retrieved from: https://theconversation.com/fijis-media-still-struggling-to-regain-free-and-fair-space-40765
Journal article – Article	Robie, D. & Abcede, D. M. (2015). Cybercrime, criminal libel and the media: From 'e-martial law' to the Magna Carta in the Philippines. <i>Pacific Journalism Review</i> , 21(1), 211-229. Retrieved from: http://search.informit.com.au/documentSummary;res=IELHSS;dn=245717122397614

FRANCES NELSON

Publication Type	Citation
Conference contribution – Oral Presentation – Paper Presentation	Johnson, R. J. K. (2015). Playing the promoted game: childhood, collectables and commodification. Paper presented at the IAMCR 2015 – Hegemony or Resistance? On the Ambiguous Power of Communication.. Faculté de communication, Université du Québec à Montréal, Montréal, Quebec, Canada.
Journal article – Article	Elers, S. W., Nelson, F., & Johnson, R. J. K. (2015). Māori perspectives of public information advertising campaigns. <i>Journal of Intercultural Communication Studies</i> , 24(1), 31-49.

GEOFF CRAIG

Publication Type	Citation
Journal article – Article	Craig, G. (2015). Political Participation and Pleasure in Green Lifestyle Journalism. <i>Environmental Communication: a journal of nature and culture</i> , online, Retrieved from: http://www.tandfonline.com/doi/abs/10.1080/17524032.2014.991412?journalCode=renc20
Journal article – Article	Craig, G. (2015). Reclaiming Slowness in Journalism: Critique, complexity and difference. <i>Journalism Practice</i> , online, Retrieved from: http://www.tandfonline.com/doi/full/10.1080/17512786.2015.1100521

GREG TREADWELL

Publication Type	Citation
Conference contribution – Oral Presentation – Paper Presentation	Treadwell, G. (2015). Freedom of information – a literature review. Paper presented at the Challenges and Opportunities – Journalism Education Association of New Zealand. Massey University, Wellington, NZ.
Chapter or section in books	Treadwell, G. (2015). An increasingly secret paradise. In T. Felle & J. Mair (Eds.), <i>FOI 10 years on: Freedom fighting or lazy journalism UK</i> : Abramis UK.

HELEN SISSONS

Publication Type	Citation
Thesis / Dissertation – Doctoral Thesis	Sissons, H. (2015). <i>Whose News: Investigating power relations between journalists and public relations practitioners</i> (Unpublished Doctoral Thesis). 1–253. Auckland University of Technology library special collections: Helen Sissons.
Journal article – Article	Sissons, H. (2015). Lifting the veil on the PRP–client relationship. <i>Public Relations Inquiry</i> , 4(3), 263–286. Retrieved from: http://pri.sagepub.com/cgi/reprint/4/3/263.pdf?ijkey=vqdAXhoqWpMbt8Y&keytype=finite
Conference contribution – Oral Presentation – Paper Presentation	Smith, P. & Sissons, H. (2015). Correcting the error: A newspaper's response in the digital age. Paper presented at the Australia/New Zealand Communications Association. Rydges Hotel, Queenstown, NZ.
Conference contribution – Oral Presentation – Paper Presentation	Sissons, H. (2015). Negotiating the news: Interactions behind the curtain of the journalism–public relations relationship. Paper presented at the The Fifth New Zealand Discourse Conference. AUT, NZ.
Conference contribution – Oral Presentation – Paper Presentation	Sissons, H. & Smith, P. (2015). Mistaken identity: The consequences of journalistic transparency in online news. Paper presented at the The Sociolinguistics of Globalisation Conference. University of Hong Kong, Hong Kong.

KANE HOPKINS

Publication Type	Citation
Journal article – Article	Gray, F. E., Hopkins, K., & Kirkwood, C. (2015). Readable, audible, navigable: Accessible communication for the non–profit health sector. <i>Communication Research and Practice</i> , 1(4), 335–348. Retrieved from: http://www.tandfonline.com/action/journalInformation?journalCode=rcrp20#.VsEO-ZN9524

LORNA PIATTI-FARNELL

Publication Type	Citation
Book – Authored Book	Piatti-Farnell, L. & Brien, D. L. (2015). <i>New Directions in 21st-Century Gothic: The gothic compass</i> . 1–10. Taylor and Francis Inc..
Chapter or section in books	Piatti-Farnell, L. (2015). 'On Party Business: True–fan Celebrations in New Zealand's Middle–earth'. (pp. 48–58). Bristol: Intellect.
Conference contribution – Oral Presentation – Paper Presentation	Piatti-Farnell, L. (2015). 'I Warned You About the Mirrors: Gothic Reflections and Cultural Hauntings in The Skeleton Key'. Paper presented at the Annual PopCAANZ Conference. Wellington, New Zealand.

Chapter or section in books	Piatti-Farnell, L. (2015). Cyberfangs: Online communities and the gothic hypercharacter. In L. Piatti-Farnell & D. L. Brien (Eds.), <i>New Directions in 21st-Century Gothic: The Gothic Compass</i> (pp. 101-116). Taylor and Francis Inc..
Journal article - Article	Piatti-Farnell, L. (2015). Consumption, health, and disposability in <i>SpongeBob SquarePants</i> . <i>Australian Journal of Environmental Education</i> , doi: 10.1017/ae.2015.25
Journal article - Editorial Comment	Piatti-Farnell, L. (2015). Gothic Spaces: Boundaries, Mergence, Liminalities. <i>Aeternum: The Journal of Contemporary Gothic Studies</i> , 2(1), i-ii.
Book - Edited Book	Piatti-Farnell, L. (2015). <i>Fan Phenomena: The Lord of the Rings</i> . Bristol: Intellect.

LYN BARNES

Publication Type	Citation
Journal article - Article	Barnes, M. & Edmonds, E. (2015). If it bleeds, it leads?: Changing death coverage in <i>The New Zealand Herald</i> . <i>Pacific Journalism Review</i> , 21(2), 162-172. Retrieved from: http://www.pjreview.info/articles/if-it-bleeds-it-leads-changing-death-coverage-new-zealand-1055
Journal article - Article	Barnes, M. (2015). Trauma training in Australia and New Zealand: necessary but confusing. <i>Australian Journalism Review</i> , 37(1), 121-131.

MATT MOLLGAARD

Publication Type	Citation
Conference contribution - Oral Presentation - Paper Presentation	Mollgaard, M. (2015). Pop, Power and Politics: Local Music Radio as a Public/Private Partnership. Paper presented at the Popular Culture association of Australia and New Zealand (POPCAANZ) Conference 2015. Massey University, Wellington, Wellington, New Zealand.
Thesis / Dissertation - Doctoral Thesis	Mollgaard, M. (2015). Powerful Music: Media, Culture and the 'Third-way' in New Zealand A Grounded Theory Analysis of Kiwi FM (Unpublished Doctoral Thesis). Auckland, New Zealand: Auckland University of Technology.
Conference contribution - Oral Presentation - Paper Presentation	Mollgaard, M. (2015). Revisiting 'third way' public broadcasting: Kiwi FM and the fifth Labour Government. Paper presented at the Australia New Zealand Communication Association (ANZCA) Conference 2015. Rydges Hotel, Queenstown, New Zealand, Queenstown, New Zealand.

PAUL WHITE

Publication Type	Citation
Chapter or section in books	White, P. (2015). Multimodality's challenge to marketing theory: A Discussion. (pp. 305-323). London; New York: Routledge.

PETER HOAR

Publication Type	Citation
Conference contribution - Oral Presentation - Paper Presentation	Hoar, P. (2015). Asking the people what they want: high-brow vs. low-brow and the 1932 New Zealand Radio survey. Paper presented at the POPCAANZ Popular culture Association of Australia & New Zealand Conference. Massey University, Wellington.
Other form of output	Hoar, P. (2015). Enigma Variations: Auckland Philharmonia Orchestra with Conductor Rumon Gamba & violinist Benjamin Schmid: Lilburn - Aotearoa Overture, Bartók - Violin Concerto No.2, Elgar - Enigma Variations [Radio Broadcast]. Retrieved from: http://www.radionz.co.nz/concert/programmes/upbeat/audio/201759397/peter-hoar-apo-reivew

Other form of output	Hoar, P. (2015). Letters in Wartime Five New Zealand Composers: Auckland Philharmonia Orchestra. Concert review. Retrieved from: http://www.radionz.co.nz/concert/programmes/upbeat/audio/201756052/peter-hoar-letters-in-wartime-review
Other form of output	Hoar, P. (2015). Composer of the Week: Alexander Scriabin (1872–1915) A 30 minute radio documentary examining Scriabin’s life, music, philosophy, and influences. [Radio Broadcast]. Retrieved from: http://www.radionz.co.nz/concert/programmes/composeroftheweek/audio/201758100/scriabin-moscow-mystic
Other form of output	Hoar, P. (2015). Rite of Spring: New Zealand Symphony Orchestra, Jaime Martin – Conductor, Jakob Koranyi – Cello, Vesa-Matti Leppänen – Violin: Vaughan Williams – The Lark Ascending, Walton – Cello Concerto, Stravinsky – The Rite of Spring. Concert review. Retrieved from: http://www.radionz.co.nz/concert/programmes/upbeat/audio/201780806/peter-hoar-nzso-rite-of-spring-concert

PETRA THEUNISSEN

Publication Type	Citation
Journal article - Article	Theunissen, P. S. (2015). The quantum entanglement of dialogue and persuasion in social media: Introducing the Per-Di Principle. <i>Atlantic Journal of Communication</i> , 23(1), doi: 10.1080/15456870.2015.972405
Conference contribution - Oral Presentation - Paper Presentation	Theunissen, P. S. (2015). Being ‘Afrikaans’: A contested identity. Paper presented at the International Communication Association Annual Conference. Caribe Hotel, San Juan, Puerto Rico.

PIP MULES

Publication Type	Citation
Conference contribution - Oral Presentation - Paper Presentation	Mules, P. (2015). Reasserting the social in pedagogical texts. Paper presented at the Media Ecology Association Conference 2015. Metropolitan State University of Denver, Denver Colorado.

RICHARD PAMATATAU

Publication Type	Citation
Journal article - Article	Brown Pulu, T. & Pamatatau, R. (2015). Who’s who in the zoo: Tonga election 2014. <i>Te Kaharoa: The e-Journal on Indigenous Pacific Issues</i> , 8(1), Retrieved from: http://www.tehara.com/
Journal article - Article	Brown Pulu, T. & Pamatatau, R. (2015). Fieldwork journals on Tonga’s 2014 election: What’s so funny about that?. <i>Te Kaharoa: The e-Journal on Indigenous Pacific Issues</i> , 8(1), 106–138. Retrieved from http://www.tekaharoa.com/index.php/tekaharoa/index . <i>Te Kaharoa: The e-Journal on Indigenous Pacific Issues</i> , 8(1), Retrieved from: http://www.tekaharoa.com/

ROSSER JOHNSON

Publication Type	Citation
Journal article - Article	Elers, S. W., Nelson, F., & Johnson, R. J. K. (2015). Māori perspectives of public information advertising campaigns. <i>Journal of Intercultural Communication Studies</i> , 24(1), 31–49.
Conference contribution - Paper Published in Proceedings	Johnson, R. J. K. (2015). Commodification, viewership and a for-anyone-as-someone “special” structure. In Mountfort. <i>PopCAANZ Conference Proceedings 2015</i> , (pp. 116–123). Retrieved from: http://popcaanz.com/wp-content/uploads/2015/12/TELEVISION_Johnson-2015_Commodification-Viewership.pdf

Conference contribution – Oral Presentation – Paper Presentation	Johnson, R. J. K. (2015). Memory, masculinity and place: Southern gothic tropes in ‘Southern Louisiana’. Paper presented at the Popular Gothic – A Symposium. WG Building, Auckland University of Technology.
Conference contribution – Oral Presentation – Paper Presentation	Johnson, R. J. K. (2015). Playing the promoted game: childhood, collectables and commodification. Paper presented at the IAMCR 2015 – Hegemony or Resistance? On the Ambiguous Power of Communication.. Faculté de communication, Université du Québec à Montréal, Montréal, Quebec, Canada.
Conference contribution – Oral Presentation – Paper Presentation	Johnson, R. J. K. (2015). Revisiting Scannell’s for-anyone-as-someone structure: The commodified listener / viewer as “someone special?”. Paper presented at the 6th Annual Popular Culture Association of Australia & New Zealand Conference. Ti Ara Hihiko (Building 12), Massey University, College of Creative Arts, Wellington.
Conference contribution – Paper Published in Proceedings	Nairn, A. M., Nelson, F. M., & Johnson, R. J. K. (2015). Power & persuasion: constructing identity in religious communications. In D. Paterno, M. Bourk & D. Matheson. Refereed Proceedings of the Australian and New Zealand Communication Association Conference: Rethinking Communication, Space and Identity, 2015, Retrieved from: http://www.anzca.net/documents/2015-conf-papers/845-anzca15-nairn-nelson-johnson.html
Conference contribution – Paper Published in Proceedings	Johnson, R. J. K. & Bieldt, N. (2015). Promoting a promotional culture: a case study of the Junior Franklin County News.. In D. Paterno, M. Bourk & D. Matheson. Refereed Proceedings of the Australian and New Zealand Communication Association Conference: Rethinking Communication, Space and Identity, 2015, Retrieved from: http://www.anzca.net/documents/2015-conf-papers/858-anzca15-johnson-bieldt.html
RUFUS MCEWAN	
Publication Type	Citation
Conference contribution – Oral Presentation – Paper Presentation	McEwan, R. (2015). Directing Change: Organisational shifts in the New Zealand radio industry.. Paper presented at the ANZCA 2015: Rethinking communication, space and identity.. Rydges Lakeside Hotel., Queenstown, New Zealand..
Conference contribution – Oral Presentation – Paper Presentation	McEwan, R. (2015). Introducing iHeartRadio: Digital platforms in the New Zealand context.. Paper presented at the ECREA Radio Research Conference. Universidad Carols III de Madrid, Madrid, Spain.
SARAH BAKER	
Publication Type	Citation
Report – Non Commissioned	Rupar, V., Owen,, T. W., Baker, S., Nand, P., Scott, J., Hoyle, C., ... Shaan Lee, J. (2015). News, politics and diversity in the 2014 New Zealand General Election. 1–60. AUT, Auckland: AUT Media Observatory.
Journal article – Article	Rupar, V., Owen, T., & Baker, S. (2015). Diversity, Inclusivity, and the News: Coverage of the 2014 New Zealand General Election. <i>Media Studies Journal of Aotearoa New Zealand (MEDIANZ)</i> , 15(2), Retrieved from: https://medianz.otago.ac.nz/medianz/article/view/146/149
Conference contribution – Oral Presentation – Paper Presentation	Baker, S. (2015). The Walking Dead; Zombies and Gothic Decay. Paper presented at the GANZA 2015. Novotel Sydney on Darling Harbour in Sydney, Novotel Sydney on Darling Harbour in Sydney Australia.

SIGRID NORRIS

Publication Type	Citation
Journal article – Article	Norris, S. & Makboon, B. (2015). Objects, Frozen Actions, and Identity: A Multimodal (Inter)action Analysis. <i>Multimodal Communication</i> , 4(1), de Gruyter Mouton.
Chapter or section in books	Norris, S. (2015). Introduction to Volume I (Some Forerunners & Early Multimodality). In Norris (Ed.), <i>Multimodality: Critical Concepts in Linguistics</i> (pp. 8-10). London: Routledge.
Conference contribution – Published Abstract	Norris, S. (2015). Modal configurations: A need for cultural change in the classroom. <i>Multimodality and Cultural Change</i> . Norway.
Oral presentation	Norris, S. (2015, January). MULTIMODAL (INTER)ACTION ANALYSIS: Transcription Workshop. Presented at the University of Bremen, Germany, FB 10 CIP-Labor.
Chapter or section in books	Norris, S. (2015). Introduction to Volume III: Multimodality between 2006 and 2011. In Norris (Ed.), <i>Multimodality: Critical Concepts in Linguistics</i> , 3, (pp. 1-2). London: Routledge.
Conference contribution – Published Abstract	Norris, S. (2015). A methodology that allows to gain new insight into the study of language and interaction: Examining video conferencing among family members. 45th Poznan Linguistic Meeting. Poznan, Poland: Poland.
Oral presentation	Norris, S. (2015, January). Methodological tools for use to conduct empirical analysis. Presented at the Universitat Jaume I, Castelló de la Plana (Spain), Sala de graus de la Facultat de Ciències Humanes i Socials (HC0114FR).
Conference contribution – Oral Presentation – Paper Presentation	Norris, S. (2015). Discussing the Symposium: Family interaction and video conferencing: How is family interaction changing.
Oral presentation	Norris, S. (2015, January). MULTIMODAL (INTER)ACTION ANALYSIS: Methodological Tools & Empirical Analysis. Presented at the University of Bremen, Germany, GW2 A3570.
Chapter or section in books	Norris, S. (2015). General Introduction (to Multimodality). (pp. 1-7). London: Routledge.
Chapter or section in books	Geenen, J., Norris, S., & Makboon, B. (2015). Multimodal Discourse Analysis. In K. Tracy, C. Ilie & T. Sandel (Eds.), <i>International Encyclopedia of Language and Social Interaction</i> (pp. 1-17). Boston: USA: John Wiley & Sons.
Oral presentation	Norris, S. (2015, January). Relevance of Multimodal (Inter)action Analysis to Linguistics. Presented at the online & University Jaume, Universitat Jaume I, Castelló (Spain).
Book – Edited Book	Norris, S. (2015). <i>Multimodality</i> , IV, Retrieved from: http://www.routledge.com/books/details/9781138845503/
Chapter or section in books	Norris, S. (2015). Introduction to Volume II (A call for Multimodal Theory & Developments in Multimodality between 2000 and 2005). In Norris (Ed.), <i>Critical Concepts in Linguistics</i> (pp. 1-2). London: Routledge.
Oral presentation	Norris, S. (2015, January). MULTIMODAL (INTER)ACTION ANALYSIS: Introduction to Theory. Presented at the University of Bremen, Germany, GW2 A3570.
Chapter or section in books	Norris, S. (2015). Introduction to Volume IV: Multimodality between 2012 and 2014. In Norris (Ed.), <i>Multimodality: Critical Concepts in Linguistics</i> (pp. 1-2). London: Routledge.

THOMAS OWEN

Publication Type	Citation
Report - Commissioned	Boyd,, M. & Owen, T. (2015). What will a well-informed, civically engaged New Zealand look like in 2030? Report on the Second Workshop, 27 October 2015. The Civics and Media Project..
Journal article - Article	Lewthwaite, B., Owen, T., & Doiron, A. (2015). Curriculum change and self-governing agreements: A Yukon First Nation case study. <i>International Journal of Multicultural Education</i> , 17(3), 37-55.
Conference contribution - Paper Published in Proceedings	Lewthwaite,, B., Doiron,, A., Owen,, T., & Dewell,, H. (2015). Educational change and self-governance in a Yukon First Nation community. American Educational Research Association. Chicago, IL, USA.
Oral presentation	Owen, T. (2015, January). Patents, pirates, poverty, and an almost-president: Notes on a corpus-assisted discourse analysis. Presented at the AUT, Auckland, New Zealand.
Conference contribution - Oral Presentation - Paper Presentation	Owen, T. (2015). 20 years of HIV/AIDS medicines news coverage: What can we learn?. Paper presented at the International Association for Media and Communication Research Conference. Université du Québec à Montréal, Montreal, Quebec, Canada.
Report - Non Commissioned	Rupar, V., Owen,, T. W., Baker, S., Nand, P., Scott, J., Hoyle, C., ... Shaan Lee, J. (2015). News, politics and diversity in the 2014 New Zealand General Election. 1-60. AUT, Auckland: AUT Media Observatory.
Book - Authored Book	Owen, T. (2015). Patents, Pills, and the Press: The Rise and Fall of the Global HIV/AIDS Medicines Crisis in the News. Retrieved from: http://www.peterlang.com/index.cfm?event=cmp.ccc.seitenstruktur.detailseiten&seitentyp=produkt&pk=75073

TREVOR PLANT

Publication Type	Citation
Other form of output	Plant, T. (2015). The Great Big Kids' Show [Radio]. 54 one-hour episodes in 2015 Retrieved from: http://www.nzonair.govt.nz/radio/showcase/the-great-big-kids-show/

VERICA RUPAR

Publication Type	Citation
Oral presentation	Rupar, V. (2015, January). Inclusive journalism. Presented at the Danish School of Media and Journalism, DJMX Aarhus, Denmark.
Oral presentation	Rupar, V. (2015, January). Journalism and social cohesion. Presented at the Beirut, Lebanon,, Skype presentation.
Conference contribution - Published Abstract	Rupar, V. (2015). Whom journalists talk to: legacy reporting and tweeting. The Future of Journalism: Risks, Threats and Opportunities Conference.. Retrieved from: http://www.cardiff.ac.uk/jomec/resources/foj2015/FOJ2015_Abstracts.pdf
Journal article - Article	Rupar, V., Owen, T., & Baker, S. (2015). Diversity, Inclusivity, and the News: Coverage of the 2014 New Zealand General Election. <i>Media Studies Journal of Aotearoa New Zealand (MEDIANZ)</i> , 15(2), Retrieved from: https://medianz.otago.ac.nz/medianz/article/view/146/149
Report - Non Commissioned	Rupar, V., Owen,, T. W., Baker, S., Nand, P., Scott, J., Hoyle, C., ... Shaan Lee, J. (2015). News, politics and diversity in the 2014 New Zealand General Election. 1-60. AUT, Auckland: AUT Media Observatory.
Conference contribution - Oral Presentation - Paper Presentation	Rupar, V. (2015). Serbian journalists and the idea of common good. Paper presented at the Worlds of Journalism: Professional Identity, Influences, and Change Conferenc. Center for Advanced Studies at LMU Munich, Munich, Germany.

Conference contribution - Oral Presentation - Plenary	Rupar, V. (2015). Journalism and shadow publics [Plenary]. Presented at the Inclusive journalism seminar and workshop. Sámi University College, Guovdageaidnu/Kautokeino, Norway.
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WAYNE HOPE

Publication Type	Citation
Chapter or section in books	Hope, W. J. & Scott, J. (2015). Left Political Activism. In Hayward (Ed.), New Zealand Government and politics (6th edition) (pp. 545-555). Melbourne: Oxford University press.

COMPUTER AND MATHEMATICAL SCIENCES

- School of Computer and Mathematical Sciences

AJIT NARAYANAN	
Publication Type	Citation
Chapter or section in books	Shanmuganathan, S., Narayanan, A., & Medagoda, N. (2015). Temporal data analysis and mining methods for modelling the climate change effects on Malaysia's oil palm yield at different regional scales. In Dinda (Ed.), Handbook of Research on Climate Change Impact on Health > and Environmental Sustainability
Conference contribution - Paper Published in Proceedings	Ahmad, W. & Narayanan, A. (2015). Artificial immune system: An effective way to reduce model overfitting. In M. Nunez, N. T. Nguyen, D. Camacho & B. Trawinski. Proceedings of the 7th International Conference on Computational Collective Intelligence Technologies and Applications, International Conference on Computational Collective Intelligence (ICCCI). (pp. 316-327). Retrieved from: http://download.springer.com/static/pdf/971/chp%253A10.1007%252F978-3-319-24069-5_30.pdf?originUrl=http://link.springer.com/chapter/10.1007/978-3-319-24069-5_30&token2=exp=1449536599~acl=/static/pdf/9
Conference contribution - Paper Published in Proceedings	Tirimula, S. S. & Narayanan, A. (2015). Hierarchical data classification using deep neural networks. In S. Arik, T. Huang, W. K. Lai & Q. Liu. Neural Information Processing, 22nd International Conference on Neural Information Processing, ICONIP 2015., 9489, (pp. 492-500). Retrieved from: http://www.springer.com/us/book/9783319265544
Chapter or section in books	Ahmad, W. & Narayanan, A. (2015). The role of hypermutation and affinity maturation in AIS approaches to clustering. In Usman (Ed.), Improving Knowledge Discovery through the Integration of Data Mining Techniques (pp. 124-144). IGI Global.
Journal article - Article	Usman, A. B., Liu, W., Bai, Q., & Narayanan, A. (2015). Trust of the same: Rethinking trust and reputation management from a structural homophily perspective. International Journal of Information Security and Privacy, 9(2), 13-30. doi: 10.4018/IJISP.2015040102
Conference contribution - Paper Published in Proceedings	Usman, A., Liu, W., Bai, Q., & Narayanan, A. (2015). Revealing the role of topological transitivity in efficient trust and reputation system in smart metering network. 2015 IEEE International Conference on Data Science and Data Intensive Systems. (pp. 337-342). Retrieved from: http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=7396523
ALASTAIR NISBET	
Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Nisbet, A. (2015). The challenges in implementing security in spontaneous ad hoc networks. 13th Australian Information Security Management Conference. (pp. 111-118). Security Research Institute: Security Research Institute.
ALBERT YEAP	
Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Chown, E. & Yeap, W. K. (2015). Cognitive robotics. 9th International Workshop, MIWAI 2015., 9426, (pp. 294-305). doi: 10.1007/978-3-319-26181-2_28
ALLA SHYMANSKA	
Publication Type	Citation
Journal article - Article	Shymanska, A. (2015). Effect of high-efficiency emitter on noise characteristics of electron amplifiers. Journal of Computational Electronics, 14(1), 341-351. doi: 10.1007/s10825-015-0661-9

Chapter or section in books	Shymanska, A. (2015). Mathematical and computational modeling of noise characteristics of channel amplifiers. In M. G. Cojocaru, I. I. Kotsireas, R. N. Makarov, R. V. N. Melnik & H. Shodiev (Eds.), <i>Interdisciplinary Topics in Applied Mathematics, Modeling and Computational Science</i> , 117, (pp. 411-418). Switzerland: Springer.
Conference contribution - Published Abstract	Shymanska, A. (2015). Stochastic modelling of the secondary emission phenomena with a high yield. 2015 AUT Mathematical Sciences Symposium. (pp. 19-19). Auckland.
Conference contribution - Published Abstract	Shymanska, A. (2015). Fast Monte Carlo method in stochastic modelling of charged particle multiplication. 2015 4th International Conference on Engineering Mathematics and Physics. (pp. 11-11). Retrieved from: http://www.icemp.org/
Journal article - Article	Shymanska, A. & Babakov, V. (2015). Fast Monte Carlo method in stochastic modelling of charged particle multiplication. <i>International Journal of Applied Physics and Mathematics</i> , 5(3), 218-226. Retrieved from: http://www.ijapm.org/show-57-492-1.html

ALNA VAN DER MERWE

Publication Type	Citation
Journal article - Article	Roux, A., van der Merwe, A. J., & Van Rensburg, N. F. J. (2015). Elastic waves in a Timoshenko beam with boundary damping. <i>Wave Motion</i> , 57, 194-206. doi: 10.1016/j.wavemoti.2015.04.003
Conference contribution - Oral Presentation - Paper Presentation	Van Der Merwe, A. J. (2015). Modal damping and convergence of finite element solutions. Paper presented at the 2015 AUT MATHEMATICAL SCIENCES SYMPOSIUM. AUT, Auckland.

AMINU USMAN

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Usman, A., Liu, W., Bai, Q., & Narayanan, A. (2015). Revealing the role of topological transitivity in efficient trust and reputation system in smart metering network. 2015 IEEE International Conference on Data Science and Data Intensive Systems. (pp. 337-342). Retrieved from: http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=7396523
Journal article - Article	Usman, A. B., Liu, W., Bai, Q., & Narayanan, A. (2015). Trust of the same: Rethinking trust and reputation management from a structural homophily perspective. <i>International Journal of Information Security and Privacy</i> , 9(2), 13-30. doi: 10.4018/IJISP.2015040102

ANA MARSANASCO

Publication Type	Citation
Journal article - Article	Marsanasco, A. & García, P. (2015). The Management of Knowledge and The Learning Process in SMEs clusters: a study case. <i>Economía, Sociedad y Territorio</i> , XIII(41), 1-36. Retrieved from: http://www.cmq.edu.mx/

ANDREW ENSOR

Publication Type	Citation
Report - Commissioned	Scaife, A. (2015). Imaging Pipeline (Reported No. SKA-TEL-SDP-0000030). [Commissioned by SKA Office], SKA-TEL-SDP-0000030, 56.
Conference contribution - Paper Published in Proceedings	Ensor, A., Hall, S., & Da Fonseca, E. (2015). GPU-Accelerated Feature Point Matching Using Extended ColourFAST Descriptors. In R. Green & M. Stommel. <i>IVCNZ 2015 Proceedings, Image and Vision Computing New Zealand (IVCNZ) 2015</i> . Retrieved from: https://ivcnz2015.aut.ac.nz/ivcnz/program.htm

Report - Commissioned	Enzor, A., Christie, D., Crosby, P., Erdody, N., Broekema, C., do Lago, B., ... Stevenson, T. (2015). Compute platform: Software developments and considerations (Reported No. SKA-TEL-SDP-0000020). [Commissioned by SKA Office], SKA-TEL-SDP-0000020, 18.
Report - Commissioned	Bancroft, J., Ensor, A., Taylor, J., Wu, S., Zhu, Y., Broekema, C., & Mika, A. (2015). Compute platform: Hardware alternatives and developments (Reported No. SKA-TEL-SDP-0000019). [Commissioned by SKA Office], SKA-TEL-SDP-0000019, 34.

ANN WU-ROSS

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Wu-Ross, A., Hitchcock, L., & Thorpe, S. J. (2015). Learning and Teaching Strategies in an Intercultural Context: An Offshore Program in Vietnam. In Thorpe. Proceedings of the 2nd Forum on International Collaborative Academic Programs (FICAP-2) Collaborative Education: Era of Convergence and Perspectives, 2nd Forum on International Collaborative Academic Programs (FICAP-2). (pp. 46-53). Retrieved from: http://www.brownwalker.com/book/1627345272

ANTHONY GRIFFIN

Publication Type	Citation
Journal article - Article	Griffin, A., Alexandridis, A., Pavlidi, D., Mastorakis, Y., & Mouchtaris, A. (2015). Localizing multiple audio sources in a wireless acoustic sensor network. <i>Signal Processing</i> , 107, 54-67. doi: 10.1016/j.sigpro.2014.08.013
Conference contribution - Paper Published in Proceedings	Griffin, A., Zorila, T. - C., & Stylianou, Y. (2015). Improved Face-To-Face Communication Using Noise Reduction And Speech Intelligibility Enhancement.

BARRY BLUNDELL

Publication Type	Citation
Journal article - Review	Blundell, B. G. (2015). On alternative approaches to 3D image perception: monoscopic 3D techniques. <i>3D Research</i> , 6(18). doi: 10.1007/s13319-015-0047-6

BARRY DOWDESWELL

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Sinha, R., Dowdeswell, B., & Vyatkin, V. (2015). Slicing the Pi: Device-specific IEC 61499 design. In M. Cirstea & L. Gomes. 2015 IEEE 13th International Conference on Industrial Informatics (INDIN), IEEE International Conference on Industrial Informatics (INDIN). (pp. 1257-1262). Retrieved from: http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=7281915

BEN HART

Publication Type	Citation
Report - Commissioned	Weston, S., Natusch, T., Woodburn, L., Hart, B., & Gulyaev, S. (2015). New Zealand VLBI Station, Warkworth. [Commissioned by NASA]. 1-4. International VLBI Service for Geodesy and Astrometry 2014 Annual Report: NASA.

BILAL RAZA

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Raza, B. (2015). Analysis of dilemmas during switching of vendors in a near shore outsourcing context. (pp. 47-50). doi: 10.1109/ICGSEW.2015.13

BRIAN CUSACK

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Cusack, B. & Khaleghparast, R. (2015). Evaluating small drone surveillance capabilities to enhance traffic conformance intelligence. SRI Security Congress. (pp. 21-27). WA.
Conference contribution - Paper Published in Proceedings	Cusack, B. & Alshaifi, S. (2015). Mining social networking sites for digital evidence. SRI Security Congress. (pp. 15-21). WA.
Conference contribution - Paper Published in Proceedings	Cusack, B. & Khaleghparast, R. (2015). Using design science to build a watermark system for rightful ownership protection in the cloud. ACIS 2015. Adelaide, SA.
Journal article - Article	Cusack, B. & Lutui, R. (2015). Improving SMART Phone Investigation Methods. Digital Forensics Magazine, 22, 14-18.
Conference contribution - Paper Published in Proceedings	Cusack, B. & Lo, S. (2015). Project governance: How processes can be managed with an aim to improve project performance. PACIS 2015.
Journal article - Article	Cusack, B. & Alshaif, S. (2015). The Evidential Value of Social Networking Sites. Digital Forensics Magazine, 24, 26-30.
Journal article - Article	Cusack, B. (2015). Preparing Organisations for Digital Investigation. Digital Forensics Magazine, 23, 34-37.
Journal article - Review	Cusack, B. (2015). Migrating to the Cloud Oracle Client Server Migration. Digital Forensics Magazine, 24, 74-74.
Conference contribution - Paper Published in Proceedings	Cusack, B. & Al-Khazrajy, M. (2015). Evaluating policy layer security controls for value realisation in secure systems. SRI Security Congress. (pp. 94-100). WA.
Conference contribution - Paper Published in Proceedings	Cusack, B. & Zadeh, E. (2015). Evaluating single sign on security failure in cloud services. SRI Security Congress. (pp. 5-10). WA.
Journal article - Article	Cusack, B. & Al-Khazrajy, M. (2015). Forecasting Business Impact of Security Control Selections. Digital Forensics Magazine, 25, 8-12.
Journal article - Review	Cusack, B. (2015). Social Engineering Penetration Testing: Executing social engineering penetration testing assessment and defence. Digital Forensics Magazine, 24, 75-75.
Journal article - Review	Cusack, B. (2015). Risk Management Framework: A lab based approach to securing information systems. Digital Forensics Magazine, 24, 76-76.
Conference contribution - Oral Presentation - Paper Presentation	Mahiddin, N. A., Sarkar, N. I., & Cusack, B. (2015). Gateway Load Balancing and Routing Selection Scheme of MANET in Disaster Scenario. Paper presented at the the 2nd IEEE Asia-Pacific World Congress on Computer Science and Engineering 2015 (APWC on CSE 2015),. 1-6. Shangri-La Fijian Resort, Fiji Islands.
Journal article - Article	Cusack, B. (2015). Layer 2 Security and Forensic Capability. Digital Forensics Magazine, 24, 38-41.

Other form of output	Cusack, B. (2015). ISO/IEC 30121:2015 Information Technology – Governance of Digital Forensic Risk. ISO/IEC.
Conference contribution – Paper Published in Proceedings	Cusack, B. & Parry, D. (2015). Customising Doctor –Nurse communications. Proceedings of the 3rd Australian eHealth Informatics and Security Conference. Edith Cowan university.
Conference contribution – Paper Published in Proceedings	Cusack, B. & Lutui, R. (2015). Innovating additional layer 2 security requirements for a protected stack. SRI Security Congress. (pp. 81–86). WA.

DAVE PARRY

Publication Type	Citation
Conference contribution – Oral Presentation – Paper Presentation	Parry, D. & Zolhavarieh, S. (2015). A model of knowledge quality assessment in clinical decision support system. Paper presented at the HINZ 2015, 14th Annual New Zealand’s Health Informatics Conference. Christchurch, New Zealand.
Conference contribution – Paper Published in Proceedings	Parry, D., Norris, A., Madanian, S., Martinez,, S., Labaka, L., & Gonzalez, J. J. (2015). Disaster E-Health: A New Paradigm for Collaborative Healthcare in Disasters. In Palen,, Büscher & Comes. Proceedings of the ISCRAM 2015 Conference, ISCRAM 2015. Retrieved from: http://iscram2015.uia.no/wp-content/uploads/2015/05/12-2.pdf
Conference contribution – Published Abstract	Madanian, S., Parry, D. T., & Norris, A. (2015). Healthcare in Disasters and the Role of RFID. In I. N. Sarkar, A. Georgiou & P. Mazzoncini de Azevedo Marques. Studies in Health Technology and Informatics, MEDINFO 2015., 216, (pp. 1008–1008). Retrieved from: http://www.iospress.nl/book/medinfo-2015-ehealth-enabled-health/
Conference contribution – Paper Published in Proceedings	Cusack, B. & Parry, D. (2015). Customising Doctor –Nurse communications. Proceedings of the 3rd Australian eHealth Informatics and Security Conference. Edith Cowan university.
Journal article – Article	Madanian, S., Parry, D., & Norris, T. (2015). Healthcare in Disasters and the Role of RFID. Stud Health Technol Inform, 216, 1008.
Journal article – Article	Parry, D., Carter, P., Koziol-McLain, J., & Feather, J. (2015). A model for usability evaluation for the development and implementation of consumer eHealth interventions. Studies in Health Technology and Informatics, 216, 968.

DAVID AIREHROUR

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Gutierrez, J. & Airehrou, D. (2015). An analysis of secure MANET routing features to maintain confidentiality and integrity in IoT routing. In L. Janczewski & C. A. de Souza. Proceedings of the 2015 International Conference on Information Resources Management, International Conference on Information Resources Management. Ottawa.
Conference contribution – Paper Published in Proceedings	Airehrou, D., Gutierrez, J., Liu, W., & Wu, J. (2015). When Internet raised to the Things power: Are Energy Efficiency Standards Sufficient to Curb Carbon Footprints?. IEEE Global Communications Conference. San Diego.
Conference contribution – Paper Published in Proceedings	Airehrou, D., Gutierrez, J., & Ray, S. K. (2015). GradeTrust: A Secure Trust Based Routing Protocol for MANETs. International Telecommunication Networks and Applications Conference.

EGHBAL GHAZIZADEH

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Ebrahimi, A., Ibrahim, S., Ghazizadeh, E., & Alizadeh, M. (2015). Paint-doctored JPEG image forensics based on blocking artifacts. doi: 10.1109/IEMCON.2015.7344427

FADI ALHADDADIN

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Alhaddadin, F., Liu, W., & Gutierrez, J. (2015). A Policy-Based Network Management Approach for Greening the Cloud Infrastructure. In L. Janczewski & C. A. de Souza. International Conference on Information Resources Management (Conf-IRM 2015), International Conference on Information Resources Management (Conf-IRM 2015). Retrieved from: http://aisel.aisnet.org/confirm2015/
Conference contribution - Paper Published in Proceedings	Alhaddadin, F., Liu, W., & Gutierrez, J. (2015). A User Profile-Aware Policy-Based Management Framework for Greening the cloud. Proceedings of the 4th IEEE International Conference on Sustainable Computing and Communications (SustainCom 2014). (pp. 682-687). Retrieved from: http://ieeexplore.ieee.org.ezproxy.aut.ac.nz/stamp/stamp.jsp?tp=&arnumber=7034860
Chapter or section in books	Alhaddadin, F., Liu, W., & Gutierrez, J. (2015). A User Data Profile-Aware Policy-Based Network Management Framework in the Era of Big Data. In S. Yu, X. Lin, J. Mistic & U. S. Shen (Eds.), Networking for Big Data (pp. 323-358). Chapman and Hall/CRC.

FARIDA KACHAPOVA

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Kachapova, F. (2015). Realizability and existence property of a constructive set theory with types. In X. Zhao, Q. Feng, B. Kim & L. Yu. Proceedings of the 13th Asian Logic Conference, The 13th Asian Logic conference. (pp. 136-155). Retrieved from: http://www.worldscientific.com/worldscibooks/10.1142/9596
Journal article - Article	Kachapova, F. (2015). A strong multi-typed intuitionistic theory of functionals. Journal of Symbolic Logic, 80(3), 1035-1065. Retrieved from: http://journals.cambridge.org/abstract_S0022481215000213
Conference contribution - Published Abstract	Kachapova, F. (2015). Modelling choice sequences of high types. 5th World Congress on Universal Logic. (pp. 325). Retrieved from: http://www.uni-log.org/start5.html
Oral presentation	Kachapova, F. (2015, January). Application of semi-invariants in statistical physics. Presented at the WT102, AUT, Auckland, New Zealand.
Conference contribution - Paper Published in Proceedings	Kachapova, F. (2015). Multi-sorted version of second order arithmetic. 5th World Congress on Universal Logic. Istanbul, Turkey.
Journal article - Article	Kachapova, F. (2015). Interpretation of constructive multi-typed theory in the theory of arithmetical truth. Lobachevskii Journal of Mathematics, 36(4), 332-340. Retrieved from: http://link.springer.com/article/10.1134/S1995080215040034
Oral presentation	Kachapova, F. (2015, January). An axiomatic theory for constructive mathematics. Presented at the WT102, AUT, Auckland, New Zealand.
Journal article - Article	Kachapova, F. (2015). Comparison of constructive multi-typed theory with subsystems of second order arithmetic. Arxiv, Retrieved from: http://arxiv.org/pdf/1504.08062v1.pdf

Journal article - Article	Kachapova, F. & Kachapov, I. (2015). Application of semi-invariants to proof of the central limit theorem on a lattice. Arxiv, Retrieved from: http://arxiv.org/pdf/1504.06935v2.pdf
Conference contribution - Published Abstract	Kachapova, F. & Kachapov, I. (2015). Limiting distribution of random field in Ising model under renorm-group transformation. 18th INFORMS Applied Probability Society Conference. Retrieved from: http://home.ku.edu.tr/~aps2015/images/program/abstract%20book.pdf
GISELA KLETTE	
Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Nand, P., Perera, R., & Klette, G. (2015). A tweet classification model based on dynamic and static component topic vectors., 9457, (pp. 424-430). doi: 10.1007/978-3-319-26350-2_37
GULSHAD IMRAN	
Publication Type	Citation
Journal article - Article	Butcher, J. C. & Imran, G. (2015). Order conditions for G-symplectic methods. BIT Numerical Mathematics, doi: 10.1007/s10543-014-0541-x
HADI KARIMIKIA	
Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Karimikia, H., Singh, H., & Olesen, K. (2015). The impact of positive informal behaviors on the effectiveness of information systems departments. 2015 ACM SIGMIS Conference on Computers and People Research. (pp. 3-4). Retrieved from: http://dl.acm.org/citation.cfm?id=2751957
HYUCK CHUNG	
Publication Type	Citation
Journal article - Article	Bennetts, L., Peter, M., & Chung, H. (2015). Absence of localisation in ocean wave interactions with a rough seabed in intermediate water depth. The Quarterly Journal of Mechanics and Applied Mathematics, 68, 97-113.
JACQUELINE WHALLEY	
Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Whalley, J. & Medagoda, N. (2015). Sentiment Lexicon Construction Using SentiWordNet 3.0. International Conference on Natural Computing. (5 pages). Retrieved from: http://icnc-fskd.hnu.edu.cn/
Conference contribution - Published Abstract	Kmoch, A., Klug, H., Whalley, J., & Sallis, P. (2015). Bridging Domains: A web-enabled interoperable Groundwater Research Framework. 9th Symposium of the International Society for Digital Earth (ISDE). Halifax, NS, Canada.
Conference contribution - Paper Published in Proceedings	Slmon,, Sheard, J., D'Souza, D., Lopez, M., Luxton-Reilly, A., Putro, I. H., ... Whalley, J. L. (2015). How (not) to write an introductory programming exam. In D. D'Souza & K. Falkner. Proceedings of the 17th Australasian Computing Education Conference (ACE 2015). CRPIT, Australasian Computing Education Conference (ACE 2015), 160, (pp. 137-146). Retrieved from: http://crpit.com/confpapers/CRPITV160Simon.pdf
Conference contribution - Published Abstract	Zandi, S., Whalley, J., & Sallis, P. (2015). Estimation of Near Ground PM10 Concentrations Using Artificial Neural Networks. MASSNZ-MODSIM. (2 pages). Retrieved from: http://www.mssanz.org.au/modsim2015

Conference contribution – Paper Published in Proceedings	Ghobakhlou, A., Amir, F., Whalley, J., & Sallis, P. (2015). Estimation of Leaf Wetness Duration Using Adaptive Neuro-Fuzzy Inference Systems. MSSANZ International Congress on Modelling and Simulation. (7 pages). Retrieved from: http://www.mssanz.org.au/modsim2015
Journal article – Article	Awbi, N. K., Whalley, J. L., & Philpott, A. (2015). Scaffolding, the zone of proximal development, and novice programmers. <i>Journal of Applied Computing and Information Technology</i> , 19(1), Retrieved from: http://www.citrenz.ac.nz/jacit/JACIT1901/2015Awbi_Scaffolding.html

JAIRO GUTIERREZ

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Alhaddadin, F., Liu, W., & Gutierrez, J. (2015). A User Profile-Aware Policy-Based Management Framework for Greening the Cloud. <i>Proceedings of the 4th IEEE International Conference on Sustainable Computing and Communications (SustainCom 2014)</i> . (pp. 682–687). Retrieved from: http://ieeexplore.ieee.org.ezproxy.aut.ac.nz/stamp/stamp.jsp?tp=&arnumber=7034860
Conference contribution – Paper Published in Proceedings	Airehrour, D., Gutierrez, J., & Ray, S. K. (2015). GradeTrust: A Secure Trust Based Routing Protocol for MANETs. <i>International Telecommunication Networks and Applications Conference</i> .
Conference contribution – Paper Published in Proceedings	Alhaddadin, F., Liu, W., & Gutierrez, J. (2015). A Policy-Based Network Management Approach for Greening the Cloud Infrastructure. In L. Janczewski & C. A. de Souza. <i>International Conference on Information Resources Management (Conf-IRM 2015)</i> , <i>International Conference on Information Resources Management (Conf-IRM 2015)</i> . Retrieved from: http://aisel.aisnet.org/confirm2015/
Conference contribution – Paper Published in Proceedings	Airehrour, D., Gutierrez, J., Liu, W., & Wu, J. (2015). When Internet raised to the Things power: Are Energy Efficiency Standards Sufficient to Curb Carbon Footprints?. <i>IEEE Global Communications Conference</i> . San Diego.
Conference contribution – Paper Published in Proceedings	Chiaraviglio, L., Listanti, M., Gutierrez, J., & Liu, W. (2015). Lifetime-aware Networks: It is Not What You Know but Who You Know. <i>IEEE Global Conference on Signal & Information Processing</i> . Orlando.
Chapter or section in books	Alhaddadin, F., Liu, W., & Gutierrez, J. (2015). A User Data Profile-Aware Policy-Based Network Management Framework in the Era of Big Data. In S. Yu, X. Lin, J. Mistic & U. S. Shen (Eds.), <i>Networking for Big Data</i> (pp. 323–358). Chapman and Hall/CRC.
Conference contribution – Paper Published in Proceedings	Gutierrez, J. & Airehrour, D. (2015). An analysis of secure MANET routing features to maintain confidentiality and integrity in IoT routing. In L. Janczewski & C. A. de Souza. <i>Proceedings of the 2015 International Conference on Information Resources Management, International Conference on Information Resources Management</i> . Ottawa.

JEFFREY HUNTER

Publication Type	Citation
Conference contribution – Oral Presentation – Paper Presentation	Hunter, J. J. (2015). The computation of the key properties of Markov chains using a variety of techniques. Paper presented at the SIAM Applied Linear Algebra Conference. Hyatt Regency Atlanta, Atlanta, Georgia, U.S.A..
Conference contribution – Oral Presentation – Paper Presentation	Hunter, J. J. (2015). A comparison of computational techniques of the key properties of Markov Chains. Paper presented at the Australia and New Zealand Industrial and Applied Mathematics Conference, ANZIAM 15. Outrigger Surfers Paradise, Queensland, Australia, http://anziam15.com .

Journal article – Article	Hunter, J. J. (2015). Report of 24th International Workshop on Matrices and Statistics, Haikou, Hainan, China. IMAGE, (55), 18–19. Retrieved from: http://www.ilasic.org/IMAGE/
Report – Non Commissioned	Hunter, J. & Gustafson, K. (2015). Why the Kemeny Time is Constant (Reported No. arXiv:1510.00456). 1–6. Ithaca, N.Y., U.S.A.: Cornell University Library.
Conference contribution – Oral Presentation – Paper Presentation	Hunter, J. J. (2015). The Accurate Computation of the Key Properties of Markov Chains and Markov Renewal Processes. Paper presented at the 24th International Workshop on Matrices and Statistics. 128–137. Hainan Normal University, Haikou, Hainan, China.
Conference contribution – Oral Presentation – Paper Presentation	Hunter, J. (2015). The accurate computation of the key properties of Markov chains and Markov Renewal Processes. Paper presented at the 2015 AUT Mathematical Sciences Symposium. AUT University, Auckland.
Conference contribution – Published Abstract	Hunter, J. J. (2015). The accurate computation of the key properties of Markov chains and Markov renewal processes. In Haywood. Proceedings of the Fifth Wellington Workshop in Probability and Mathematical Statistics, 19–20 November 2015, Fifth Wellington Workshop in Probability and Mathematical Statistics. Retrieved from: http://sms.victoria.ac.nz/Events/Nov2015WWPMS#Workshop_Proceedings
Conference contribution – Oral Presentation – Paper Presentation	Hunter, J. (2015). The computation of the key properties of Markov chains using a variety of techniques. Paper presented at the 2015 Joint NZSA+ORSNZ Conference. University of Canterbury, Christchurch.
Report – Non Commissioned	Hunter, J. (2015). Accurate calculations of Stationary Distributions and Mean First Passage Times in Markov Renewal Processes and Markov Chains (Reported No. ArXiv.1510.01390). 1–34. Ithaca, N.Y., U.S.A.: Cornell University Library.
Journal article – Article	Hunter, J. J. (2015). Shayle R Searle: Pioneer in Linear Modelling. Australia and New Zealand Journal of Statistics, 57(1), 1–14. Retrieved from: http://onlinelibrary.wiley.com/doi/10.1111/anzs.12107/epdf

JI RUAN

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Johnson, K., Sinha, R., Calinescu, R., & Ruan, J. (2015). A Multi-Agent Framework for Dependable Adaptation of Evolving System Architectures. In D. Winkler & E. Mendes. Software Engineering and Advanced Applications (SEAA), 2015 41st Euromicro Conference on, 41st Euromicro Conference on Software Engineering and Advanced Applications (SEAA). (pp. 159–166). Retrieved from: http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7302446

JIAMOU LIU

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Liu, J. & Wei, Z. (2015). Community detection based on graph dynamical systems with asynchronous runs. The Second International Symposium on Computing and Networking. (pp. 463–469). doi: 10.1109/CANDAR.2014.20
Journal article – Article	Gavruskin, A., Khoussainov, B., Kokho, M., & Liu, J. (2015). Dynamic algorithms for monotonic interval scheduling problem. Theoretical Computer Science, 562(C), 227–242. doi: 10.1016/j.tcs.2014.09.046

JIAN YU

Publication Type	Citation
Journal article - Article	Yongchareon, S., Liu, C., Yu, J., & Zhao, X. (2015). A view framework for modeling and change validation of artifact-centric inter-organizational business processes. <i>Information Systems</i> , 47, 51-81. doi: 10.1016/j.is.2014.07.004
Journal article - Article	Yao, L., Sheng, Q. Z., Ngu, A. H. H., Yu, J., & Segev, A. (2015). Unified collaborative and content-based web service recommendation. <i>IEEE Transactions on Services Computing</i> , 8(3), 453-466. doi: 10.1109/TSC.2014.2355842
Journal article - Article	Yu, J., Sheng, Q. Z., Swee, J. K. Y., Han, J., Liu, C., & Noor, T. H. (2015). Model-driven development of adaptive web service processes with aspects and rules. <i>Journal of Computer and System Sciences</i> , 81(3), 533-552. doi: 10.1016/j.jcss.2014.11.008
Journal article - Article	Sheng, Q. Z., Shakshuki, E. M., & Yu, J. (2015). Ambient and context-aware services for the future web. <i>Computer Journal</i> , 58(8), 1687-1688. doi: 10.1093/comjnl/bxv003
Journal article - Article	Yang, L. H., Zhao, Y., Fan, Y., Zhu, Y., & Yu, J. (2015). Peak power modeling for join algorithms in DBMS. <i>Journal of Computer and System Sciences</i> , 81(3), 599-614. doi: 10.1016/j.jcss.2014.11.012
Conference contribution - Paper Published in Proceedings	Kunchala, J., Yu, J., Sheng, Q. Z., Han, Y., & Yongchareon, S. (2015). Synthesis of Artifact Lifecycles from Activity-centric Process Models., 2015-November, (pp. 29-37). doi: 10.1109/EDOC.2015.14
Journal article - Article	Tong, Y. J., Yan, W. Q., & Yu, J. (2015). Analysis of a secure Virtual Desktop Infrastructure system. <i>International Journal of Digital Crime and Forensics</i> , 7(1), 69-84. doi: 10.4018/IJDCF.2015010104
Journal article - Article	Tong, Y., Yan, W. Q., & Yu, J. (2015). Analysis of a secure virtual desktop infrastructure system. <i>International Journal of Digital Crime and Forensics (IJDCF)</i> , 7(1), 69-84. Retrieved from: http://www.igi-global.com/article/analysis-of-a-secure-virtual-desktop-infrastructure-system/127343
Conference contribution - Paper Published in Proceedings	Kunchala, J., Yu, J., & Yongchareon, S. (2015). A survey on approaches to modeling artifact-centric business processes., 9051, (pp. 117-132). doi: 10.1007/978-3-319-20370-6_10
Journal article - Article	Kabir, M. A., Han, J., Colman, A., & Yu, J. (2015). Social context as a service: Managing adaptation in collaborative pervasive applications. <i>International Journal of Cooperative Information Systems</i> , 24(1), doi: 10.1142/S0218843015400018

JILING CAO

Publication Type	Citation
Conference contribution - Oral Presentation - Paper Presentation	Cao, J. (2015). Core and equilibrium of large economies under ambiguity. Paper presented at the 1st Pan-Pacific International Conference on Topology and Applications. Minnan Normal University, Zhangzhou, China.
Conference contribution - Oral Presentation - Paper Presentation	Cao, J. (2015). Rational expectations equilibria: existence and representation., Paper presented at the 14th European Workshop on General Equilibrium Theory. University of Federico II of Naples, Naples, Italy.
Journal article - Article	Cao, J. & Tomita, A. H. (2015). Bornologies, topological games and function spaces. <i>Topology and its Applications</i> , 184(1), 16-28. Retrieved from: http://www.sciencedirect.com.ezproxy.aut.ac.nz/science/article/pii/S0166864115000243
Oral presentation	Cao, J. (2015, January). From Edgeworth and Walras to Arrow, Debreu and Rader: several issues. Presented at the Capital Normal University, Beijing, China.

JIM BUCHAN	
Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Tahir, A., MacDonell, S., & Buchan, J. (2015). A study of the relationship between class testability and runtime properties., 551, (pp. 63-78). doi: 10.1007/978-3-319-27218-4_5
KATE LEE	
Publication Type	Citation
Journal article - Article	Lee, J. (2015). Importance Sampling Schemes for Evidence Approximation in Mixture Models. Bayesian Analysis, Retrieved from: http://projecteuclid.org/euclid.ba/1440507475
KATHARINA PARRY	
Publication Type	Citation
Journal article - Article	Hazelton, M. L. & Parry, K. (2015). Statistical methods for comparison of day-to-day traffic models. Transportation Research Part B: Methodological, doi: 10.1016/j.trb.2015.08.005
KELLY BLINCOE	
Publication Type	Citation
Journal article - Article	Blincoe, K., Valetto, G., & Damian, D. (2015). Facilitating Coordination between Software Developers: A Study and Techniques for Timely and Efficient Recommendations. IEEE Transactions on Software Engineering, Retrieved from: http://ieeexplore.ieee.org/
KENNETH JOHNSON	
Publication Type	Citation
Journal article - Article	Calinescu, R., Ghezzi, C., Johnson, K., Pezzé, M., Rafiq, Y., & Tamburrelli, G. (2015). Formal verification with confidence intervals: A new approach to establishing the Quality-of-Service properties of software systems. IEEE Transactions on Reliability, 1-19. doi: 10.1109/TR.2015.2452931
Conference contribution - Paper Published in Proceedings	Johnson, K., Sinha, R., Calinescu, R., & Ruan, J. (2015). A Multi-agent Framework for Dependable Adaptation of Evolving System Architectures. 41st Euromicro Conference on Software Engineering and Advanced Applications (SEAA). (pp. 159-166). doi: 10.1109/SEAA.2015.49
KERRI SPOONER	
Publication Type	Citation
Conference contribution - Oral Presentation - Paper Presentation	Spooner, K. (2015). Authentic Mathematical Modelling Experiences of Upper Secondary School Students: A Case study. Paper presented at the International Community of Teachers of Mathematical Modelling and Applications 17 (ICTMA-17).. 95-95. Nottingham University, Nottingham, UK.
KEVIN BYARD	
Publication Type	Citation
Journal article - Article	Byard, K. (2015). Fast Decoding Algorithms for Geometric Coded Apertures. Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 803, 1-3. Retrieved from: http://www.sciencedirect.com/science/journal/01689002/803
Journal article - Article	Byard, K. (2015). Application of fast cross-correlation algorithms. Electronics Letters, 51(3), 242-244. Retrieved from: http://ieeexplore.ieee.org/

LAURIE MCLEOD

Publication Type	Citation
Report - Commissioned	Bentley, T., Blackwood,, K., Mcleod,, L., Teo,, S., O'Driscoll,, M., Twiname,, L., ... Wood,, B. (2015). Understanding the needs of New Zealand's ageing workforce. [Commissioned by EEO Trust]. 1-13. Auckland, New Zealand: Work Research Institute.
Report - Commissioned	McLeod, L. & Bentley,, T. (2015). Managing an ageing workforce. [Commissioned by EEO Trust]. 1-20. Auckland, New Zealand: Work Research Institute.

MAHMOUD MAHMOUD

Publication Type	Citation
Report - Commissioned	Ensor, A., Christie, D., Crosby, P., Erdody, N., Broekema, C., do Lago, B., ... Stevenson, T. (2015). Compute platform: Software developments and considerations (Reported No. SKA-TEL-SDP-0000020). [Commissioned by SKA Office], SKA-TEL-SDP-0000020, 18.

MUHAMMAD ASIF NAEEM

Publication Type	Citation
Chapter or section in books	Asif Naeem, M. & Jamil, N. (2015). Online processing of end-user data in real-time data warehousing. (pp. 13-31). IGI Global.
Conference contribution - Paper Published in Proceedings	Gao, H., Naeem, M. A., Lutteroth, C., & Weber, G. (2015). S3J: A parallel Semi-stream similarity join. ACM Eighteenth International Workshop on Data Warehousing and OLAP, 23-Oct-2015, (pp. 49-57). doi: 10.1145/2811222.2811226
Conference contribution - Paper Published in Proceedings	Naeem, M. A., Sarwar Bajwa, I., & Jamil, N. (2015). A cache-based semi-stream join to deal with unmatched stream data. In M. Sharaf, M. Cheema & J. Qi. Databases Theory and Applications, 26th Australasian Database Conference, ADC 2015., 9093, (pp. 54-65). doi: 10.1007/978-3-319-19548-3_5

NICOLAS PRADEL

Publication Type	Citation
Journal article - Article	Akiyama, K., Lu, R. - S., Fish, V. L., Doeleman, S. S., Broderick, A. E., Dexter, J., ... Honma, M. (2015). 230 GHz VLBI observations of M87: Event-horizon-scale structure during an enhanced very-high-energy γ -ray state in 2012. <i>Astrophysical Journal</i> , 807(2), doi: 10.1088/0004-637X/807/2/150
Conference contribution - Paper Published in Proceedings	Blanchard, J., Crew, G., Doeleman, S., Greenberg, J., Hecht, M., Honma, M., ... Matthews, L. (2015). The ALMA phasing system, a status report. (pp. 291-291). doi: 10.1109/USNC-URSI.2015.7303575

NISHANTHA MEDAGODA

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Whalley, J. & Medagoda, N. (2015). Sentiment Lexicon Construction Using SentiWordNet 3.0. International Conference on Natural Computing. (5 pages). Retrieved from: http://icnc-fskd.hnu.edu.cn/

NURUL SARKAR

Publication Type	Citation
Chapter or section in books	Sarkar, N. I., Kuang, A. X., Nisar, K., & Amphawan, A. (2015). Performance Studies of Integrated Network Scenarios in a Hospital Environment. (pp. 1398-1425). Hershey, PA: IGI Global.
Oral presentation	Sarkar, N. I. (2015, January). Writing a Good Thesis/Dissertation for Examination : A Practical Guide. Presented at the Seminar room, China Jiliang University.
Conference contribution - Paper Published in Proceedings	Ray, S. K., Sarkar, N. I., Deka, D., & Ray, S. K. (2015). LTE-Advanced Based Handover Mechanism for Natural Disaster Situations. The 29th International Conference on Information Networking (ICOIN). (pp. 165-170). IEEE.
Conference contribution - Paper Published in Proceedings	Hossain, A. & Sarkar, N. I. (2015). Cross Layer Rendezvous in Cognitive Radio Ad-Hoc Networks. International Telecommunication Networks and Applications Conference (ITNAC),. (pp. 149-154). doi: 10.1109/ATNAC.2015.7366804
Other form of output	Sarkar, N. I. (2015). Professional Development Opportunity through IEEE ComSoc Workshops in New Zealand [English],. (January), 4-4. Retrieved from: http://www.comsoc.org/gcn
Other form of output	Sarkar, N. I. (2015). Effectiveness of ComSoc DLT Program and Workshops in New Zealand [English],. (June), 2-3. Retrieved from: http://www.comsoc.org/gcn
Conference contribution - Workshops or Panel Presentation	Sarkar, N. I., Sharma, A., Yada, K., Gammack, J., & Ginige, A. (2015). Big Data – How big issue for Fiji. Presented at the Asia-Pacific World Congress on Computer Science and Engineering 2015. Conference Centre, Shangri-La Fijian Resort, Fiji Islands.
Oral presentation	Sarkar, N. I. (2015, January). An Introduction to IEEE. Presented at the Recreation Centre, Rocket Park, Mount Albert, Auckland.
Chapter or section in books	Sarkar, N. I., Kuang, A. X., Nisar, K., & Amphawan, A. (2015). Hospital Environment Scenarios using WLAN over OPNET Simulation Tool. (pp. 789-804). Hershey, PA: IGI Global.
Conference contribution - Paper Published in Proceedings	Hossain, A. & Sarkar, N. I. (2015). Rendezvous in Cognitive Radio Ad-Hoc Networks with Channel Ranking. 18th ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems (MSWiM). (pp. 55-63). doi: 10.1145/2811587.2811607
Conference contribution - Oral Presentation - Paper Presentation	Soorty, B. & Sarkar, N. I. (2015). Finding a Closest Match between Wi-Fi Propagation Measurements and Models. Paper presented at the the 2nd IEEE Asia-Pacific World Congress on Computer Science and Engineering 2015. 1-6. Shangri-La Fijian Resort, Fiji Islands.
Conference contribution - Paper Published in Proceedings	Hossain, A. & Sarkar, N. I. (2015). Rendezvous in cognitive radio ad-hoc networks with asymmetric channel view. (pp. 1-6). doi: 10.1109/WoWMoM.2015.7158192
Conference contribution - Oral Presentation - Paper Presentation	Mahiddin, N. A., Sarkar, N. I., & Cusack, B. (2015). Gateway Load Balancing and Routing Selection Scheme of MANET in Disaster Scenario. Paper presented at the the 2nd IEEE Asia-Pacific World Congress on Computer Science and Engineering 2015 (APWC on CSE 2015),. 1-6. Shangri-La Fijian Resort, Fiji Islands.
Journal article - Article	Wang, X., Fangfei, H., Tingting, G., Tingting, L., Wang, Y., Binggang, X., & Sarkar, N. I. (2015). The Design of LDPC Encoder Based on the WIMAX Standard. International Journal of Future Generation Communication and Networking, 8(4), 25-32. Retrieved from: http://dx.doi.org/10.14257/ijfgcn.2015.8.4.03

Oral presentation	Sarkar, N. I. (2015, January). Internet of Things: Architecture, Protocol, Issues and Research Opportunities. Presented at the Room 183/3048, Unitech Institute of Technology.
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PARMA NAND

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Nand, P. & Perera, R. (2015). An Evaluation of POS tagging for Tweets Using HMM Modeling.
Chapter or section in books	Perera, R. & Nand, P. (2015). A Multi-strategy Approach for Lexicalizing Linked Open Data. In Gelbukh (Ed.), Computational Linguistics and Intelligent Text Processing, 9042, (pp. 348-363). Springer International Publishing.

PHIL ROBBINS

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Slmon., Sheard, J., D'Souza, D., Lopez, M., Luxton-Reilly, A., Putro, I. H., ... Whalley, J. L. (2015). How (not) to write an introductory programming exam. In D. D'Souza & K. Falkner. Proceedings of the 17th Australasian Computing Education Conference (ACE 2015). CRPIT, Australasian Computing Education Conference (ACE 2015), 160, (pp. 137-146). Retrieved from: http://crpit.com/confpapers/CRPITV160Simon.pdf

PHILIP CARTER

Publication Type	Citation
Journal article - Article	Carter, P. (2015). Dwelling in relationship: Nurturing the needed capabilities for setting up humane governance. <i>Psychotherapy and Politics International</i> , 13(1), 43-54. doi: 10.1002/ppi.1344.
Journal article - Article	Parry, D., Carter, P., Koziol-McLain, J., & Feather, J. (2015). A model for usability evaluation for the development and implementation of consumer eHealth interventions. <i>Studies in Health Technology and Informatics</i> , 216, 968.
Chapter or section in books	Carter, P. D., Fizek, S., & Beksa, J. (2015). Audio games: investigation of the potential through prototype development. In P. Biswas, C. Duarte, P. Langdon & L. Ammeida (Eds.), <i>A Multimodal End-2-End Approach to Accessible Computing</i> (pp. 211-224). London: Springer-Verlag..

PHILIP SALLIS

Publication Type	Citation
Conference contribution - Published Abstract	Zandi, S., Whalley, J., & Sallis, P. (2015). Estimation of Near Ground PM10 Concentrations Using Artificial Neural Networks. MASSNZ-MODSIM. (2 pages). Retrieved from: http://www.mssanz.org.au/modsim2015
Conference contribution - Published Abstract	Kmoch, A., Klug, H., Whalley, J., & Sallis, P. (2015). Bridging Domains: A web-enabled interoperable Groundwater Research Framework. 9th Symposium of the International Society for Digital Earth (ISDE). Halifax, NS, Canada.
Conference contribution - Paper Published in Proceedings	Hernández, S. & Sallis, P. (2015). Distributed minimum temperature prediction using mixtures of Gaussian Processes. In R. Denzer, R. Argent & G. Schimak. <i>Environmental Software Systems, Infrastructures, Services and Applications, The International Symposium on Environmental Software Systems</i> . (pp. 484-491). Springer.

QUAN BAI

Publication Type	Citation
Book - Edited Book	Bai, Q., Ren, F., Zhang, M., Ito, T., & Tang, X. (2015). <i>Smart Modeling and Simulation for Complex Systems - Practice and Theory</i> . Springer.

Journal article - Article	Xiang, M., Liu, W., Bai, Q., & Al-Anbuky, A. (2015). Avoiding the Opportunist: The Role of Simmelian Ties in Fostering the Trust in Sensor-Cloud Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015, 1-11. Retrieved from: http://www.hindawi.com/journals/ijdsn/
Conference contribution - Paper Published in Proceedings	Abbas, S., Liu, W., Bai, Q., & Al-Anbuky, A. (2015). Whom You Know Matters: Relook Vehicle-to-Vehicle Communications from A Topological Perspective. <i>The 4th International Conference on Computational Social Networks (CSoNet 2015)</i> . (pp. 248-261). doi: 10.1007/978-3-319-21786-4_22
Chapter or section in books	Su, X., Zhang, M., & Bai, Q. (2015). Decentralised task allocation under space, time and communication constraints in disaster domains. In Q. Bai, F. Ren, M. Zhang, T. Ito & X. Tang (Eds.), <i>Smart Modeling and Simulation for Complex Systems</i> (pp. 41-57). Japan: Springer.
Journal article - Article	Su, X., zhang, M., & Bai, Q. (2015). Dynamic task allocation for heterogeneous agents in disaster environments under time, space and communication constraints. <i>The Computer Journal</i> , 58(8), 1776-1791. Retrieved from: http://comjnl.oxfordjournals.org/
Conference contribution - Paper Published in Proceedings	Xiang, M., Liu, W., Bai, Q., & Al-Anbuky, A. (2015). Simmelian ties and structural holes: Exploring their topological roles in forming trust for securing wireless sensor networks. <i>The 14th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (IEEE TrustCom-15)</i> . Retrieved from: https://research.comnet.aalto.fi/Trustcom2015/

REBECCA JARVIS

Publication Type	Citation
Journal article - Article, Rapid Communication	Jarvis, R., Borrelle, S., Bollard-Breen, B., & Towns, D. (2015). Conservation, mismatch, and the research-implementation gap. <i>Pacific Conservation Biology</i> , 21, 105-107.
Journal article - Article	Jarvis, R. M., Bollard-Breen, B., Krageloh, C. U., & Billington, D. R. (2015). Citizen science and the power of public participation in marine spatial planning. <i>Marine Policy</i> , 57, 21-26. doi: 10.1016/j.marpol.2015.03.011

REZA KHALEGHPARAST

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Moghaddam, F. F., Varnosfaderani, S. D., Mobedi, S., Ghavam, I., & Khaleghparast, R. (2015). GD2SA: Geo detection and digital signature authorization for secure accessing to cloud computing environments. <i>2014 IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE)</i> . (pp. 39-42). doi: 10.1109/ISCAIE.2014.7010206

RIVINDU PERERA

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Nand, P. & Perera, R. (2015). An Evaluation of POS tagging for Tweets Using HMM Modeling.
Chapter or section in books	Perera, R. & Nand, P. (2015). A Multi-strategy Approach for Lexicalizing Linked Open Data. In Gelbukh (Ed.), <i>Computational Linguistics and Intelligent Text Processing</i> , 9042, (pp. 348-363). Springer International Publishing.

ROBERT WELLINGTON

Publication Type	Citation
Chapter or section in books	Wellington, R. (2015). Context to culture for gamification HCI requirements: Familiarity and enculturation. In T. Reiners & L. C. Wood (Eds.), <i>Gamification in Education and Business</i> (pp. 151-163). Springer International Publishing.

ROBIN HANKIN

Publication Type	Citation
Journal article - Article	Hankin, R. K. (2015). The complex multivariate gaussian distribution. <i>R Journal</i> , 7(1), 73-80. Technische Universitaet Wien.
Chapter or section in books	Brooks, J., Li, I., & Hankin, R. (2015). Biofilm modelling. In K. H. Teh, S. Flint, J. Brooks & G. Knight (Eds.), <i>Biofilms in the dairy industry</i> (pp. 203-227). Chichester, UK: John Wiley and Sons.
Journal article - Article	Hankin, R. K. S. (2015). Numerical evaluation of the gauss hypergeometric function with the hypergeo package. <i>R Journal</i> , 7(2), 81-88. Technische Universitaet Wien.

ROOPAK SINHA

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Ray, S. K., Sinha, R., & Ray, S. K. (2015). A Smartphone-based Post-Disaster Management Mechanism Using WiFi Tethering. <i>IEEE Conference on Industrial Electronics and Applications</i> . (pp. 966-971). doi: 10.1109/ICIEA.2015.7334248
Conference contribution - Paper Published in Proceedings	Sinha, R., Dowdeswell, B., & Vyatkin, V. (2015). Slicing the Pi: Device-specific IEC 61499 design. In M. Cirstea & L. Gomes. <i>2015 IEEE 13th International Conference on Industrial Informatics (INDIN)</i> , IEEE International Conference on Industrial Informatics (INDIN). (pp. 1257-1262). Retrieved from: http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=7281915
Conference contribution - Paper Published in Proceedings	Menon, V., Sinha, R., & MacDonell, S. (2015). Architectural challenges in migrating plan-driven projects to agile. (pp. 223-228). doi: 10.5220/0005383502230228
Conference contribution - Paper Published in Proceedings	Sinha, R., Patil, S., Pang, C., Vyatkin, V., & Dowdeswell, B. (2015). Requirements Engineering of Industrial Automation Systems - Adapting the CESAR Requirements Meta Model for Safety-Critical Smart grid Software. In K. Ohishi & H. Hashimoto. <i>41st Annual Conference of the IEEE Industrial Electronics Society, 41st Annual Conference of the IEEE Industrial Electronics Society</i> . (pp. 2172-2177). Pacifico Yokohama.
Conference contribution - Paper Published in Proceedings	Sinha, R., Pang, C., Santillan, G., Kuronen, J., & Vyatkin, V. (2015). Requirements-Aided Automatic Test-Case Generation for Industrial Control Software. In Liu. <i>International Conference on Engineering of Complex Computer Systems (ICECCS 2015)</i> , International Conference on Engineering of Complex Computer Systems. (pp. 198-201). Gold Coast, Australia.
Conference contribution - Paper Published in Proceedings	Afifi, S., GholamHosseini, H., & Sinha, R. (2015). Hardware Acceleration of SVM-based Classifier for Melanoma Images. Auckland, New Zealand.
Conference contribution - Paper Published in Proceedings	Sinha, R. (2015). Conversing at Many Layers: Implementing Multi-Layer On-chip Protocol Converters. <i>International Conference on Engineering of Complex Computer Systems (ICECCS)</i> . (pp. 170-173). Gold Coast, Australia.
Journal article - Article	Sinha, R., Roop, P. S., Shaw, G., Salcic, Z., & Kuo, M. (2015). Hierarchical and Concurrent ECCs for IEC 61499 Function Blocks. <i>IEEE Transactions on Industrial Informatics</i> , doi: 10.1109/TII.2015.2496262
Conference contribution - Paper Published in Proceedings	Johnson, K., Sinha, R., Calinescu, R., & Ruan, J. (2015). A Multi-agent Framework for Dependable Adaptation of Evolving System Architectures. <i>41st Euromicro Conference on Software Engineering and Advanced Applications (SEAA)</i> . (pp. 159-166). doi: 10.1109/SEAA.2015.49

RUSSEL PEARS

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Sripirikas, S., Pears, R. L., Bifet, A., & Pfahringer, B. (2015). Use of Ensembles of Fourier Spectra in Capturing Recurrent Concepts in Data Streams. 2015 IEEE International Joint Conference on Neural Networks.
Journal article - Article	Pears, R., Piscalpanus, S., & Koh, Y. S. (2015). A graph based approach to inferring item weights for pattern mining. <i>Expert Systems with Applications</i> , 42(1), 451-461. doi: 10.1016/j.eswa.2014.07.030
Conference contribution - Paper Published in Proceedings	Tauch, S., Liu, W., & Pears, R. (2015). Measuring cascade effects in coupled networks using algebraic connectivity. (pp. 34-39). doi: 10.1109/ATNAC.2014.7020870
Conference contribution - Paper Published in Proceedings	Huang, D., Koh, Y. S., Dobbie, G., & Pears, R. L. (2015). Detecting Volatility Shift in Data Streams. <i>IEEE International Conference on Data Mining (ICDM), 2014.</i> (pp. 863-868). doi: 10.1109/ICDM.2014.50
Conference contribution - Paper Published in Proceedings	Tauch, S., Liu, W., & Pears, R. (2015). Inflicting cascade of failures in interdependent networks. (pp. 12-16). doi: 10.1109/ATNAC.2014.7020866
Journal article - Article	Do, T., Khoo, S. - C., Fong, A. C. M., Pears, R., & Quan, T. T. (2015). Goal-oriented dynamic test generation. <i>Information and Software Technology</i> , 66, 40-57. doi: 10.1016/j.infsof.2015.05.007
Conference contribution - Paper Published in Proceedings	Koh, Y. S. & Pears, R. L. (2015). HI-Tree: Mining High Influence Patterns Using External and Internal Utility Values. In S. K. Madria & T. Hara. <i>Lecture notes in computer science, 17th International Conference on Big Data Analytics and Knowledge Discovery (DaWaK 2015).</i>
Conference contribution - Paper Published in Proceedings	Alvi, F. B. & Pears, R. (2015). An integrated modeling approach to age invariant face recognition., 9443, doi: 10.1117/12.2179506
Conference contribution - Paper Published in Proceedings	Tauch, S., Liu, W., & Pears, R. (2015). Measuring cascade effects in interdependent networks by using effective graph resistance. 2015 IEEE Conference on Computer Communications (INFOCOM). (pp. 683-688). Retrieved from: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7179465&isnumber=7179273

SAMANEH MADANIAN

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Parry, D., Norris, A., Madanian, S., Martinez, S., Labaka, L., & Gonzalez, J. J. (2015). Disaster E-Health: A New Paradigm for Collaborative Healthcare in Disasters. In Palen,, Büscher & Comes. <i>Proceedings of the ISCRAM 2015 Conference, ISCRAM 2015.</i> Retrieved from: http://iscram2015.uia.no/wp-content/uploads/2015/05/12-2.pdf
Conference contribution - Published Abstract	Madanian, S., Parry, D. T., & Norris, A. (2015). Healthcare in Disasters and the Role of RFID. In I. N. Sarkar, A. Georgiou & P. Mazzoncini de Azevedo Marques. <i>Studies in Health Technology and Informatics, MEDINFO 2015.</i> , 216, (pp. 1008-1008). Retrieved from: http://www.iospress.nl/book/medinfo-2015-ehealth-enabled-health/
Journal article - Article	Madanian, S., Parry, D., & Norris, T. (2015). Healthcare in Disasters and the Role of RFID. <i>Stud Health Technol Inform</i> , 216, 1008.

SARA ZANDI

Publication Type	Citation
Conference contribution - Published Abstract	Zandi, S., Whalley, J., & Sallis, P. (2015). Estimation of Near Ground PM10 Concentrations Using Artificial Neural Networks. MASSNZ-MODSIM. (2 pages). Retrieved from: http://www.mssanz.org.au/modsim2015

SARAH MARSHALL

Publication Type	Citation
Oral presentation	Marshall, S. (2015, January). Modelling a product recovery system using Markov Decision Processes (invited talk). Presented at the Victoria University of Wellington, Wellington.
Journal article - Article	Marshall, S. & Archibald, T. W. (2015). Substitution in hybrid remanufacturing. <i>Procedia CIRP</i> , 26, 583-588. Retrieved from: http://www.sciencedirect.com/science/article/pii/S2212827114008865
Conference contribution - Oral Presentation - Paper Presentation	Marshall, S., Arnold, R., Chukova, S., & Hayakawa, Y. (2015). Modelling Warranty Costs using Geometric Repair Times. Paper presented at the 27th European Conference on Operational Resear. University of Strathclyde, Glasgow, United Kingdom.
Conference contribution - Oral Presentation - Paper Presentation	Marshall, S., Arnold, R., Chukova, S., & Hayakawa, Y. (2015). Modelling Warranty Costs with a Generalised Alternating Renewal Process. Paper presented at the AUT Mathematical Sciences Symposium. Auckland University of Technology, Auckland, New Zealand.
Conference contribution - Oral Presentation - Paper Presentation	Marshall, S., Arnold, R., Chukova, S., & Hayakawa, Y. (2015). Modelling Warranty Costs with a Generalised Alternating Renewal Process. Paper presented at the Joint NZSA/ORSNZ Conference. University of Canterbury, Christchurch, New Zealand.
Oral presentation	Marshall, S. (2015, January). Modelling a product recovery system using Markov Decision Processes. Presented at the University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States of America.
Oral presentation	Marshall, S. (2015, January). Warranties: the good, the bad, the ugly. Presented at the WT515c, WT Tower, AUT, Auckland, New Zealand.

SERGIY KLYMCHUK

Publication Type	Citation
Conference contribution - Published Abstract	Klymchuk, S. (2015). Increasing the retention rate in tertiary STEM subjects by enhancing students' engagement. Tertiary Education Research New Zealand Conference 2015. (1 pages). Retrieved from: https://guidebook.com/guide/40696/event/11418631/
Oral presentation	Klymchuk, S. (2015, January). Using mistakes in mathematics textbooks and misuses of mathematics in everyday life as a teaching and learning resource for secondary mathematics learners. Presented at the Academy of Singapore Teachers, Singapore, Academy of Singapore Teachers, Singapore.
Conference contribution - Published Abstract	Klymchuk, S., Maclaren, P., & Wilson, D. (2015). Lecturers' attitudes towards integrating pen-enabled tablet PCs in teaching engineering mathematics.. In S. Carreira & N. Amado. <i>Online Proceedings of the 12th International Conference on Technology in Mathematics Teaching (ICTMT12)</i> , International Conference on Technology in Mathematics Teaching (ICTMT12). (pp. 530-532). Retrieved from: http://hdl.handle.net/10400.1/6081
Oral presentation	Klymchuk, S. (2015, January). Using puzzles, paradoxes, provocations and sophisms for enhancing teaching and learning of engineering mathematics. Presented at the School of Engineering, Computer and Mathematical Sciences of the Auckland University of Technology, Auckland, New Zealand.

Journal article - Article	Klymchuk, S. (2015). Using common sense in a mathematical modelling task. <i>Mathematics Teaching Research Journal Online</i> , 7(3), 7. Retrieved from: http://www.hostos.cuny.edu/mtrj
Conference contribution - Published Abstract	Klymchuk, S. (2015). Analysing university students' abilities in making assumptions in a ballistic model: A case study. 17th International Conference on Teaching Mathematical Modelling and Applications (ICTMA-17). (pp. p. 57). Nottingham, UK.
Oral presentation	Klymchuk, S. (2015, January). Using puzzles, paradoxes, provocations and sophisms for enhancing teaching and learning of engineering mathematics. Presented at the School of Computer Science of the University of Adelaide, Adelaide, Australia.
Journal article - Article	Klymchuk, S. (2015). Solving application problems using mathematical modelling diagrams. <i>Mathematics Teaching Research Journal Online</i> , 7(3), 5. Retrieved from: http://www.hostos.cuny.edu/mtrj
Journal article - Article	Klymchuk, S. (2015). Provocative mathematics questions: Drawing attention to a lack of attention. <i>Teaching Mathematics and Its Applications</i> , 34(2), 63-70. Retrieved from: http://teamat.oxfordjournals.org/content/34/2/63.full.pdf+html
Conference contribution - Published Abstract	Klymchuk, S. (2015). Using puzzles, paradoxes, provocations and sophisms for enhancing teaching and learning of engineering mathematics. 12th Engineering Mathematics and Applications Conference (EMAC-12). (pp. p. 37). Adelaide, Australia.
Oral presentation	Klymchuk, S. (2015, January). Using counterexamples, paradoxes and puzzles as a pedagogical strategy to engage secondary mathematics learners. Presented at the Academy of Singapore Teachers, Singapore, Academy of Singapore Teachers, Singapore.

SETH GEORGE HALL

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Ensor, A., Hall, S., & Da Fonseca, E. (2015). GPU-Accelerated Feature Point Matching Using Extended ColourFAST Descriptors. In R. Green & M. Stommel. <i>IVCNZ 2015 Proceedings, Image and Vision Computing New Zealand (IVCNZ) 2015</i> . Retrieved from: https://ivcnz2015.aut.ac.nz/ivcnz/program.htm

SEYEDJAMAL ZOLHAVARIEH

Publication Type	Citation
Conference contribution - Oral Presentation - Paper Presentation	Parry, D. & Zolhavarieh, S. (2015). A model of knowledge quality assessment in clinical decision support system. Paper presented at the HINZ 2015, 14th Annual New Zealand's Health Informatics Conference. Christchurch, New Zealand.

SHAHPER VODANOVICH

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Alaskar, M., Vodanovich, S., & Shen, K. N. (2015). Evolvment of information security research on employees' behavior: A systematic review and future direction. 48th Hawaii International Conference on System Sciences (HICSS), 2015-March, (pp. 4241-4250). doi: 10.1109/HICSS.2015.508

STEPHEN MACDONELL

Publication Type	Citation
Journal article - Article	Whigham, P. A., Owen, C. A., & MacDonell, S. G. (2015). A baseline model for software effort estimation. <i>ACM Transactions on Software Engineering and Methodology</i> , 24(3), doi: 10.1145/2738037

Conference contribution - Paper Published in Proceedings	Kirk, D. & MacDonell, S. (2015). Progress report on a proposed theory for software development. (pp. 161-167). doi: 10.5220/0005552401610167
Journal article - Article	Fountain, J. S., Sly, B., Holt, A., & MacDonell, S. (2015). Availability of antidotes, antivenoms, and antitoxins in New Zealand hospital pharmacies. <i>The New Zealand medical journal</i> , 128(1411), 23-33.
Conference contribution - Paper Published in Proceedings	Raza, B., Clear, T., & MacDonell, S. G. (2015). Onshore to Near-Shore Outsourcing Transitions: Unpacking Tensions. In M. Nordio & B. Al-Ani. <i>Proceedings 2015 IEEE 10th International Conference on Global Software Engineering Workshops, IEEE 10th International Conference on Global Software Engineering Workshops (ICGSE 2015)</i> . (pp. 1-6). IEEE.
Conference contribution - Paper Published in Proceedings	Licorish, S., MacDonell, S. G., & Clear, T. (2015). Analyzing confidentiality and privacy concerns: Insights from Android issue logs. In J. Zhang & M. Ali Babar. <i>EASE '15: Proceedings of the 19th International Conference on Evaluation and Assessment in Software Engineering, The 19th International Conference on Evaluation and Assessment in Software Engineering (EASE '15)</i> . (pp. Article no 18). doi: 10.1145/2745802.274581
Conference contribution - Paper Published in Proceedings	Menon, V., Sinha, R., & MacDonell, S. (2015). Architectural challenges in migrating plan-driven projects to agile. (pp. 223-228). doi: 10.5220/0005383502230228
Conference contribution - Paper Published in Proceedings	Licorish, S., MacDonell, S., & Clear, T. (2015). Analyzing confidentiality and privacy concerns: Insights from Android issue logs. (pp. 1-10). doi: 10.1145/2745802.2745819
Journal article - Article	Licorish, S. A. & Macdonell, S. G. (2015). Communication and personality profiles of global software developers. <i>Information and Software Technology</i> , 64, 113-131. doi: 10.1016/j.infsof.2015.02.004
Conference contribution - Paper Published in Proceedings	Tahir, A. & MacDonell, S. (2015). Combining dynamic analysis and visualization to explore the distribution of unit test suites. (pp. 21-30). doi: 10.1109/WETSoM.2015.12
Conference contribution - Paper Published in Proceedings	Tahir, A., MacDonell, S., & Buchan, J. (2015). A study of the relationship between class testability and runtime properties., 551, (pp. 63-78). doi: 10.1007/978-3-319-27218-4_5

STEPHEN THORPE

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Wu-Ross, A., Hitchcock, L., & Thorpe, S. J. (2015). Learning and Teaching Strategies in an Intercultural Context: An Offshore Program in Vietnam. In Thorpe. <i>Proceedings of the 2nd Forum on International Collaborative Academic Programs (FICAP-2) Collaborative Education: Era of Convergence and Perspectives, 2nd Forum on International Collaborative Academic Programs (FICAP-2)</i> . (pp. 46-53). Retrieved from: http://www.brownwalker.com/book/1627345272
Conference contribution - Paper Published in Proceedings	Thorpe, S. J. (2015). A framework for offshore alumni services in higher learning institutions. In Thorpe. <i>Proceedings of the 2nd Forum on International Collaborative Academic Programs (FICAP-2) Collaborative Education: Era of Convergence and Perspectives, 2nd Forum on International Collaborative Academic Programs (FICAP-2)</i> . (pp. 31-35). Retrieved from: http://www.brownwalker.com/book/1627345272
Book - Edited Book	Thorpe, S. J. (2015). <i>Proceedings of the 2nd Forum on International Collaborative Academic Programs (FICAP-2) Collaborative Education: Era of Convergence and Perspectives</i> . 1-53. Retrieved from: http://www.brownwalker.com/book/1627345272

SUBANA SHANMUGANATHAN

Publication Type	Citation
Chapter or section in books	Shanmuganathan, S., Narayanan, A., & Medagoda, N. (2015). Temporal data analysis and mining methods for modelling the climate change effects on Malaysia's oil palm yield at different regional scales. In Dinda (Ed.), <i>Handbook of Research on Climate Change Impact on Health > and Environmental Sustainability</i>
Chapter or section in books	Claster, W., Ghotbi, N., & Shanmuganathan, S. (2015). Gathering medical tourism information through algorithmic text analysis of Tweets. In M. Cooper, K. Vafadari & M. Hieda (Eds.), <i>Current Issues and Emerging Trends in Medical Tourism</i> (pp. 190-207). IGI Global.

TONY CLEAR

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Raza, B., Clear, T., & MacDonell, S. G. (2015). Onshore to Near-Shore Outsourcing Transitions: Unpacking Tensions. In M. Nordio & B. Al-Ani. <i>Proceedings 2015 IEEE 10th International Conference on Global Software Engineering Workshops, IEEE 10th International Conference on Global Software Engineering Workshops (ICGSE 2015)</i> . (pp. 1-6). IEEE.
Book – Edited Book	Clear, T. & Kassabova, D. (2015). <i>Research Review 2014.</i> , 2, 1-121. Retrieved from: http://www.aut.ac.nz/study-at-aut/faculty-of-design-and-creative-technologies/research
Journal article – Editorial Comment	Clear, T. (2015). Everybody must cut code! Educational imperative, fad or fantasy? <i>ACM Inroads</i> , 6(4), 19-21. doi: 10.1145/2822902
Report – Non Commissioned	Beecham, S., Clear, T., & Barr, J. (2015). Protocol for Challenges and Recommendations for the Design and Conduct of Global Software Engineering Courses: A Systematic Review (Reported No. (ITiCSE Working Group One: Technical Report No. Lero_TR_2015_01). 1-31. University of Limerick, Ireland.; LERO, The Irish Software Research Centre.
Conference contribution – Poster Presentation	Peters, A., Hussain, W., Cajander, A., Clear, T., & Daniels, M. (2015). Preparing software engineering students for practice in today's global settings. Poster presented at the the Konferensen i universitetspedagogisk utveckling – The Conference for University Pedagogical Development. Uppsala University, Uppsala University, Sweden.
Conference contribution – Paper Published in Proceedings	Clear, T. (2015). 'Follow the moon' development: writing a systematic literature review on Global Software Engineering Education [Keynote Presentation]. In P. Kinnunen & J. Sheard. <i>Proceedings of the 15th Baltic Sea Conference on Computing Education Research, (Koli Calling), The 15th Baltic Sea Conference on Computing Education Research, (Koli Calling)</i> . (pp. 1-4). doi: 10.1145/2828959.2835019
Report – Commissioned	Clear, T. (2015). Eastern Institute of Technology, Postgraduate Diploma and Masters in Information Technology – Degree Monitoring Report. [Commissioned by NZQA]. 1-5. Auckland: Unpublished Auckland University of Technology School of Computer & Mathematical Sciences.
Conference contribution – Paper Published in Proceedings	Clear, T., Beecham, S., Barr, J., Daniels, M., McDermott, R., Oudshoorn, M., ... Noll, J. (2015). Challenges and Recommendations for the Design and Conduct of Global Software Engineering Courses: A Systematic Review. In P. Kinnunen & N. Ragonis. <i>Proceedings of the Working Group Reports of the 2015 on Innovation & Technology in Computer Science Education Conference, Innovation and Technology in Computer Science Education</i> . (pp. 1-39). doi: 10.1145/2858796.2858797
Journal article – Article	Daniels, M., Cajander, A., Clear, T., & McDermott, R. (2015). Collaborative technologies in global engineering: New competencies and challenges. <i>International Journal of Engineering Education</i> , 31(1), 267-281. Retrieved from: http://www.ijee.ie/contents/c310115B.html
Chapter or section in books	Zhang, D. & Clear, T. (2015). Shaping Behaviours Through Space and Place in Gamified Virtual Learning Environments. In T. Reiners & L. Wood (Eds.), <i>Gamification in Education and Business</i> (pp. 331-354). Cham Heidelberg: Springer.

Conference contribution – Paper Published in Proceedings	Peters, A., Hussain, W., Cajander, A., Clear, T., & Daniels, M. (2015). Preparing the Global Software Engineer. In M. Nordio & B. Al-Ani. 015 IEEE 10th International Conference on Global Software Engineering (ICGSE 2015), IEEE 10th International Conference on Global Software Engineering. (pp. 62-70). IEEE.
Conference contribution – Paper Published in Proceedings	Daniels, M., Cajander, A., Eckerdal, A., Lind, M., Nylen, A., Clear, T., & McDermott, R. (2015). Competencies for Paradigm Shift ‘Survival’. In S. Purzer, M. Mina & A. Korhonen. Proceedings of the 45th ASEE/IEEE Frontiers in Education Conference., 45th ASEE/IEEE Frontiers in Education Conference.. (pp. 1424-1429). IEEE.
Conference contribution – Paper Published in Proceedings	Liu, W., Goldweber, M., & Clear, T. (2015). A Definition for a Sustainable Computing Educator. Annual Conference of Computing and Information Technology Education and Research in New Zealand (CITRENZ). (pp. 55-59). Retrieved from: http://www.citrenz.ac.nz/2015-proceedings/
Other form of output	Clear, T. (2015). Tribute for Graham Bidois. Research Review 2014 4-5. Auckland: Auckland University of Technology.
Journal article – Article	Clear, T. (2015). IT industry employers expectations: Our graduates deserve better! ACM Inroads, 6(2), 20-22. doi: 10.1145/2767692
Other form of output	Clear, T. (2015). For Graham [Poem]. Inside AUT, (2015: 1), 19-19. Retrieved from: http://www.news.aut.ac.nz/publications/inside-aut
Conference contribution – Paper Published in Proceedings	Licorish, S., MacDonell, S. G., & Clear, T. (2015). Analyzing confidentiality and privacy concerns: Insights from Android issue logs. In J. Zhang & M. Ali Babar. EASE ‘15: Proceedings of the 19th International Conference on Evaluation and Assessment in Software Engineering, The 19th International Conference on Evaluation and Assessment in Software Engineering (EASE ‘15:). (pp. Article no 18). doi: 10.1145/2745802.2745819

TONY NORRIS

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Parry, D., Norris, A., Madanian, S., Martinez, S., Labaka, L., & Gonzalez, J. J. (2015). Disaster E-Health: A New Paradigm for Collaborative Healthcare in Disasters. In Palen, B. & Comas-Forgas, R. Proceedings of the ISCRAM 2015 Conference, ISCRAM 2015. Retrieved from: http://iscram2015.uia.no/wp-content/uploads/2015/05/12-2.pdf
Conference contribution – Published Abstract	Madanian, S., Parry, D. T., & Norris, A. (2015). Healthcare in Disasters and the Role of RFID. In I. N. Sarkar, A. Georgiou & P. Mazzoncini de Azevedo Marques. Studies in Health Technology and Informatics, MEDINFO 2015., 216, (pp. 1008-1008). Retrieved from: http://www.iospress.nl/book/medinfo-2015-ehealth-enabled-health/

VITALI BABAKOV

Publication Type	Citation
Journal article – Article	Babakov, V. & Shymanska, A. V. (2015). Fast Monte Carlo method in Stochastic Modelling of Charge Particle Multiplication. International Journal of Applied Physics and Mathematics, 5(Number 3), 218-226. doi: 10.17706/ijapm.2015.5.3.218-226

WEIQI YAN

Publication Type	Citation
Oral presentation	Yan, W. – Q. (2015, January). Privacy Presentation of Social Media. Presented at the AUT WS318, AUT WS318.
Journal article – Article	Singh, A. & Yan, W. – Q. (2015). Evaluations of Image Degradation from Multiple Scan-Print. International Journal of Digital Crime and Forensics, 7(4), 55-65. Retrieved from: http://www.igi-global.com/journal/international-journal-digital-crime-forensics/1112

Conference contribution – Paper Published in Proceedings	W., W., F., L., Yan, W. – Q., Shen, G., & Guo, T. (2015). An Improved Aspect Ratio Invariant Visual Cryptography Scheme with Flexible Pixel Expansion. <i>IWDW 2015.</i> , 9569, (pp. 418–432). Retrieved from: http://link.springer.com/chapter/10.1007/978-3-319-31960-5_34
Journal article – Article	Tong, Y., Yan, W. – Q., & Yu, J. (2015). Analysis of a secure virtual desktop infrastructure system. <i>International Journal of Digital Crime and Forensics (IJDCF)</i> , 7(1), 69–84. Retrieved from: http://www.igi-global.com/article/analysis-of-a-secure-virtual-desktop-infrastructure-system/127343
Conference contribution – Paper Published in Proceedings	Yan, W. – Q. & Kankanhalli, M. (2015). Face Search in Encrypted Domain. <i>7th Pacific Rim Symposium on Image and Video Technology.</i> , 9431(1), (pp. 775–790). Retrieved from: http://link.springer.com/chapter/10.1007/978-3-319-29451-3_61
Oral presentation	Yan, W. – Q. (2015, January). Intelligent Surveillance. Presented at the Seminar Room 3, COM 1 Level 2 (02-12), National University of Singapore, Seminar Room 3, COM 1 Level 2 (02-12), National University of Singapore.
Oral presentation	Yan, W. – Q. (2015, January). Privacy Presentation of Social Media. Presented at the SKLOIS, Chinese Academy of Sciences, China, Chinese Academy of Sciences, Beijing China.
Book – Authored Book	F., L. & Yan, W. – Q. (2015). <i>Visual Cryptography for Image Processing and Security (2nd Edition)</i> . Retrieved from: http://www.springer.com/us/book/9783319234724
Conference contribution – Paper Published in Proceedings	Yan, W. – Q. & Liu, F. (2015). Event Analogy for Privacy Preservation in Visual Surveillance. <i>International Workshop on Video Surveillance.</i> , 1(1), (pp. 357–368). Retrieved from: http://link.springer.com/chapter/10.1007/978-3-319-30285-0_29

WILLIAM LIU

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Tauch, S., Liu, W., & Pears, R. (2015). Measuring cascade effects in interdependent networks by using effective graph resistance. <i>2015 IEEE Conference on Computer Communications (INFOCOM)</i> . (pp. 683–688). Retrieved from: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7179465&isnumber=7179273
Conference contribution – Paper Published in Proceedings	Liu, W., Goldweber, M., & Clear, T. (2015). A Definition for a Sustainable Computing Educator. <i>Annual Conference of Computing and Information Technology Education and Research in New Zealand (CITRENZ)</i> . (pp. 55–59). Retrieved from: http://www.citrenz.ac.nz/2015-proceedings/
Conference contribution – Paper Published in Proceedings	Alhaddadin, F., Liu, W., & Gutierrez, J. (2015). A Policy-Based Network Management Approach for Greening the Cloud Infrastructure. In L. Janczewski & C. A. de Souza. <i>International Conference on Information Resources Management (Conf-IRM 2015), International Conference on Information Resources Management (Conf-IRM 2015)</i> . Retrieved from: http://aisel.aisnet.org/confirm2015/
Conference contribution – Paper Published in Proceedings	Usman, A., Liu, W., Bai, Q., & Narayanan, A. (2015). Revealing the role of topological transitivity in efficient trust and reputation system in smart metering network. <i>2015 IEEE International Conference on Data Science and Data Intensive Systems</i> . (pp. 337–342). Retrieved from: http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=7396523
Conference contribution – Paper Published in Proceedings	Tauch, S., Liu, W., & Pears, R. (2015). Measuring cascade effects in coupled networks using algebraic connectivity. (pp. 34–39). doi: 10.1109/ATNAC.2014.7020870

Conference contribution - Paper Published in Proceedings	Chiaraviglio, L., Abbas, S., & Liu, W. (2015). To Sleep or Not to Sleep: Understanding the Social Behavior of Lifetime-Aware Networks. The 4th International Conference on Computational Social Networks (CSoNet 2015), 9197, (pp. 262-272). Retrieved from: http://link.springer.com.ezproxy.aut.ac.nz/chapter/10.1007/978-3-319-21786-4_23
Conference contribution - Paper Published in Proceedings	Airehrour, D., Gutierrez, J., Liu, W., & Wu, J. (2015). When Internet raised to the Things power: Are Energy Efficiency Standards Sufficient to Curb Carbon Footprints?. IEEE Global Communications Conference. San Diego.
Conference contribution - Paper Published in Proceedings	Chiaraviglio, L., Listanti, M., Gutierrez, J., & Liu, W. (2015). Lifetime-aware Networks: It is Not What You Know but Who You Know. IEEE Global Conference on Signal & Information Processing. Orlando.
Chapter or section in books	Alhaddadin, F., Liu, W., & Gutierrez, J. (2015). A User Data Profile-Aware Policy-Based Network Management Framework in the Era of Big Data. In S. Yu, X. Lin, J. Mistic & U. S. Shen (Eds.), <i>Networking for Big Data</i> (pp. 323-358). Chapman and Hall/CRC.
Conference contribution - Paper Published in Proceedings	Alhaddadin, F., Liu, W., & Gutierrez, J. (2015). A User Profile-Aware Policy-Based Management Framework for Greening the Cloud. Proceedings of the 4th IEEE International Conference on Sustainable Computing and Communications (SustainCom 2014). (pp. 682-687). Retrieved from: http://ieeexplore.ieee.org.ezproxy.aut.ac.nz/stamp/stamp.jsp?tp=&arnumber=7034860
Conference contribution - Paper Published in Proceedings	Xiang, M., Tauch, S., & Liu, W. (2015). Dependability and Resource Optimization Analysis for Smart Grid Communication Networks. The 4th IEEE International Conference on Sustainable Computing and Communications (SustainCom 2014). (pp. 676-681). Retrieved from: http://ieeexplore.ieee.org.ezproxy.aut.ac.nz/xpls/abs_all.jsp?arnumber=7034859
Conference contribution - Paper Published in Proceedings	Xiang, M., Liu, W., Bai, Q., & Al-Anbuky, A. (2015). Simmelian ties and structural holes: Exploring their topological roles in forming trust for securing wireless sensor networks. The 14th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (IEEE TrustCom-15). Retrieved from: https://research.comnet.aalto.fi/Trustcom2015/
Conference contribution - Paper Published in Proceedings	Tauch, S., Liu, W., & Pears, R. (2015). Inflicting cascade of failures in interdependent networks. (pp. 12-16). doi: 10.1109/ATNAC.2014.7020866
Journal article - Article	Xiang, M., Liu, W., Bai, Q., & Al-Anbuky, A. (2015). Avoiding the Opportunist: The Role of Simmelian Ties in Fostering the Trust in Sensor-Cloud Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015, 1-11. Retrieved from: http://www.hindawi.com/journals/ijdsn/
Journal article - Article	Usman, A. B., Liu, W., Bai, Q., & Narayanan, A. (2015). Trust of the same: Rethinking trust and reputation management from a structural homophily perspective. <i>International Journal of Information Security and Privacy</i> , 9(2), 13-30. doi: 10.4018/IJISP.2015040102
Conference contribution - Paper Published in Proceedings	Abbas, S., Liu, W., Bai, Q., & Al-Anbuky, A. (2015). Whom You Know Matters: Relook Vehicle-to-Vehicle Communications from A Topological Perspective. The 4th International Conference on Computational Social Networks (CSoNet 2015). (pp. 248-261). doi: 10.1007/978-3-319-21786-4_22

COMPUTER AND MATHEMATICAL SCIENCES

- Institute for Radio Astronomy and Space Research (IRASR)

SERGEI GULYAEV	
Publication Type	Citation
Conference contribution – Poster Presentation	Gentle, P. & Gulyaev, S. (2015). Improving New Zealand’s connection to the ITRF: Warkworth Radio Astronomical Observatory. Poster presented at the G01-1191 26th IUGG General Assembly Prague, Czech Republic June 22 – July 2, 2015.
Conference contribution – Poster Presentation	Gulyaev, S., Weston, S., & Natusch, T. (2015). Towards GGOS stations in New Zealand. Poster presented at the European Geosciences Union General Assembly 2015., 17(EGU2015-2814), Vienna, Austria.
Report – Commissioned	Weston, S., Natusch, T., Woodburn, L., Hart, B., & Gulyaev, S. (2015). New Zealand VLBI Station, Warkworth. [Commissioned by NASA]. 1-4. International VLBI Service for Geodesy and Astrometry 2014 Annual Report: NASA.
Journal article – Article	Petrov, L., Natusch, T., Weston, S., McCallum, J., Ellingsen, S., & Gulyaev, S. (2015). First scientific VLBI observations using New Zealand 30 metre radio telescope WARK30M. Publications of the Astronomical Society of the Pacific, 127(952), 516-522. Retrieved from: http://www.jstor.org/stable/10.1086/681965
Journal article – Article	Woodburn, L., Natusch, T., Weston, S., Thomasson, P., Godwin, M., Granet, C., & Gulyaev, S. (2015). Conversion of a New Zealand 30-Metre Telecommunications Antenna into a Radio Telescope. Publications of the Astronomical Society of Australia, 32(e017), 1-14. doi: 10.1017/pasa.2015.13
Report – Commissioned	Lovell, J., Kawabata, R., Kuribara, S., Cho, J., Shu, F., & Gulyaev, S. (2015). The birth of the Asia-Oceania VLBI Group for geodesy and astrometry (Reported No. 41). 5-5. IVS Newsletter: NASA.
STUART WESTON	
Publication Type	Citation
Conference contribution – Poster Presentation	Weston, S. & Seymour, N. (2015). Radio Survey Cross Identification for Data Mining. Poster presented at the Astronomical Society of Australia’s Annual Scientific Meeting. Esplanade Hotel, Fremantle, Western Australia.
Conference contribution – Oral Presentation – Plenary	Weston, S. (2015). The use of REANNZ for international astronomical and geodetic research [Plenary]. Presented at the eResearch NZ 2015. Rydges Lakeland Resort Queenstown, Rydges Lakeland Resort Queenstown.
Journal article – Article	Woodburn, L., Natusch, T., Weston, S., Thomasson, P., Godwin, M., Granet, C., & Gulyaev, S. (2015). Conversion of a New Zealand 30-Metre Telecommunications Antenna into a Radio Telescope. Publications of the Astronomical Society of Australia, 32(e017), 1-14. doi: 10.1017/pasa.2015.13
Journal article – Article	Petrov, L., Natusch, T., Weston, S., McCallum, J., Ellingsen, S., & Gulyaev, S. (2015). First scientific VLBI observations using New Zealand 30 metre radio telescope WARK30M. Publications of the Astronomical Society of the Pacific, 127(952), 516-522. Retrieved from: http://www.jstor.org/stable/10.1086/681965
Conference contribution – Poster Presentation	Gulyaev, S., Weston, S., & Natusch, T. (2015). Towards GGOS stations in New Zealand. Poster presented at the European Geosciences Union General Assembly 2015., 17(EGU2015-2814), Vienna, Austria.
Conference contribution – Oral Presentation – Paper Presentation	Weston, S. D., Bernhart, S., & Verkouter, H. (2015). Real-time e-transfer and recording of IVS R1/R4 observations. Paper presented at the International VLBI Technology Workshop. AUT University, Auckland, New Zealand.
Report – Commissioned	Weston, S., Natusch, T., Woodburn, L., Hart, B., & Gulyaev, S. (2015). New Zealand VLBI Station, Warkworth. [Commissioned by NASA]. 1-4. International VLBI Service for Geodesy and Astrometry 2014 Annual Report: NASA.

Oral presentation	Weston, S. D. (2015, January). Update AUT Radio Astronomy. Presented at the Compucon House, Albany, Auckland.
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TIMOTHY NATUSCH

Publication Type	Citation
Journal article - Article	Jeong, J., Park, H., Han, C., Gould, A., Udalski, A., Szymanski, M. K., ... Ulaczyk, K. (2015). Reanalyses of anomalous gravitational microlensing events in the OGLE-III early warning system database with combined data. <i>Astrophysical Journal</i> , 804(1), doi: 10.1088/0004-637X/804/1/38
Working Paper - Article	Fukui, A., Gould, A., Sumi, T., Bennett, D. P., Bond, I. A., Han, C., ... Udalski, A. (2015). OGLE-2012-BLG-0563Lb: a Saturn-mass planet around an M dwarf with the mass constrained by Subaru AO imaging. <i>Astrophysical Journal</i> , 809(1),
Journal article - Article	Petrov, L., Natusch, T., Weston, S., McCallum, J., Ellingsen, S., & Gulyaev, S. (2015). First scientific VLBI observations using New Zealand 30 metre radio telescope WARK30M. <i>Publications of the Astronomical Society of the Pacific</i> , 127(952), 516-522. Retrieved from: http://www.jstor.org/stable/10.1086/681965
Conference contribution - Poster Presentation	Gulyaev, S., Weston, S., & Natusch, T. (2015). Towards GGOS stations in New Zealand. Poster presented at the European Geosciences Union General Assembly 2015., 17(EGU2015-2814), Vienna, Austria.
Journal article - Article	Woodburn, L., Natusch, T., Weston, S., Thomasson, P., Godwin, M., Granet, C., & Gulyaev, S. (2015). Conversion of a New Zealand 30-Metre Telecommunications Antenna into a Radio Telescope. <i>Publications of the Astronomical Society of Australia</i> , 32(e017), 1-14. doi: 10.1017/pasa.2015.13
Report - Commissioned	Weston, S., Natusch, T., Woodburn, L., Hart, B., & Gulyaev, S. (2015). New Zealand VLBI Station, Warkworth. [Commissioned by NASA]. 1-4. <i>International VLBI Service for Geodesy and Astrometry 2014 Annual Report: NASA</i> .
Journal article - Article	Poleski, R., Zhu, W., Christie, G. W., Udalski, A., Gould, A., Bachelet, E., ... Soszyński, I. (2015). Spitzer Microlensing Program as a Probe for Globular Cluster Planets. Analysis of OGLE-2015-BLG-0448. <i>Publications of the Astronomical Society</i> .

COMPUTER AND MATHEMATICAL SCIENCES

- Knowledge Engineering and Discovery Research Institute (KEDRI)

ENMEI TU	
Publication Type	Citation
Journal article - Article	Tu, E., Yang, J., Kasabov, N., & Zhang, Y. (2015). Posterior Distribution Learning (PDL): A novel supervised learning framework using unlabeled samples to improve classification performance. <i>Neurocomputing</i> , 157, 173-186. doi: 10.1016/j.neucom.2015.01.020
MARYAM GHOLAMI	
Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Gholami, M. & Kasabov, N. (2015). Dynamic 3D Clustering of Spatio-Temporal Brain Data in the NeuCube Spiking Neural Network Architecture on a Case Study of fMRI Data. <i>ICONIP 2015</i> . (pp. 191-198). doi: 10.1007/978-3-319-26561-2_23
Journal article - Article	Gholami, M., Wang, G., Kasabov, N., Kydd, R., & Russell, B. (2015). A Spiking Neural Network Methodology and System for Learning and Comparative Analysis of EEG Data from Healthy versus Addiction Treated versus Addiction Not Treated Subjects. <i>IEEE Transactions on Biomedical Engineering</i> , doi: 10.1109/TBME.2015.2503400
NEELAVA SENGUPTA	
Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Sengupta, N., Scott, N., & Kasabov, N. (2015). Framework for knowledge driven optimisation based data encoding for brain data modelling using spiking neural network architecture., 415, (pp. 109-118). doi: 10.1007/978-3-319-27212-2_9
NIKOLA KASABOV	
Publication Type	Citation
Journal article - Article	Liu, L., Jia, Z., Yang, J., & Kasabov, N. (2015). A medical image enhancement method using adaptive thresholding in NSCT domain combined unsharp masking. <i>International Journal of Imaging Systems and Technology</i> , 25(3), 199-205. doi: 10.1002/ima.22137
Journal article - Article	Wu, H., Gao, L., Li, F., Song, F., Yang, X., & Kasabov, N. (2015). Identifying overlapping mutated driver pathways by constructing gene networks in cancer. <i>BMC Bioinformatics</i> , Retrieved from: http://www.biomedcentral.com/1471-2105/16/S5/S3
Journal article - Article	Breen, V., Kasabov, N., Kamat, A. M., Jacobson, E., Suttie, J. M., O'Sullivan, P. J., ... Darling, D. G. (2015). A holistic comparative analysis of diagnostic tests for urothelial carcinoma: A study of Cxbladder Detect, UroVysion® FISH, NMP22® and cytology based on imputation of multiple datasets. <i>BMC Medical Research Methodology</i> , 15(1), doi: 10.1186/s12874-015-0036-8
Journal article - Article	Gao, T. & Kasabov, N. (2015). A method used for Dotted Data Matrix image processing. <i>Journal of Computational Methods in Science and Engineering</i> , 15, 685-693. doi: 10.3233/JCM-150581
Journal article - Article	Kasabov, N. (2015). Evolving Connectionist Systems for Adaptive Learning and Knowledge Discovery: Trends and Directions. <i>Knowledge-Based Systems</i> , Retrieved from: http://authors.elsevier.com/sd/article/S0950705115000040
Journal article - Article	Capecchi, E., Kasabov, N., & Wang, G. Y. (2015). Analysis of connectivity in NeuCube spiking neural network models trained on EEG data for the understanding of functional changes in the brain: A case study on opiate dependence treatment. <i>Neural Networks</i> , 68, 62-77. doi: 10.1016/j.neunet.2015.03.009
Conference contribution - Paper Published in Proceedings	Li, L., Kasabov, N., Yang, J., & Yao, L. (2015). Poisson Image Denoising Based on BLS-GSM Method. <i>ICONIP 2015</i> . (pp. 513-522). doi: 10.1007/978-3-319-26561-2_61

Conference contribution – Paper Published in Proceedings	Peng, L., Hou, Z. – G., Kasabov, N., Hu, J., Peng, L., & Wang, W. (2015). sEMG-based torque estimation for robot-assisted lower limb rehabilitation.. Retrieved from: http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7256526
Book – Edited Book	Koprinkova-Hristova, P., Mladenov, V., & Kasabov, N. (2015). Artificial Neural Networks Methods and Applications in Bio-/Neuroinformatics. doi: 10.1007/978-3-319-09903-3
Conference contribution – Paper Published in Proceedings	Sengupta, N., Scott, N., & Kasabov, N. (2015). Framework for knowledge driven optimisation based data encoding for brain data modelling using spiking neural network architecture., 415, (pp. 109-118). doi: 10.1007/978-3-319-27212-2_9
Journal article – Article	Feigin, V., Krishnamurthi, K., Bhattacharjee, R., Parmar, P., Theadom, A., Hussein, P., ... Rush, E. (2015). A new strategy to reduce global burden of Stroke. <i>Stroke</i> , 46, 1740-1747.
Journal article – Article	Tu, E., Yang, J., Kasabov, N., & Zhang, Y. (2015). Posterior Distribution Learning (PDL): A novel supervised learning framework using unlabeled samples to improve classification performance. <i>Neurocomputing</i> , 157, 173-186. doi: 10.1016/j.neucom.2015.01.020
Conference contribution – Paper Published in Proceedings	Jia, S., Liang, Y., Chen, X., Gu, Y., Yang, J., Kasabov, N., & Qiao, Y. (2015). Adaptive Location for Multiple Salient Objects Detection. <i>ICONIP 2015</i> . (pp. 411-418). doi: 10.1007/978-3-319-26561-2_46
Journal article – Article	Wu, H., Gao, L., & Kasabov, N. (2015). Inference of cancer progression from somatic mutation data. <i>ScienceDirect</i> , 234-238. doi: 10.1016/j.ifacol.2015.12.131
Conference contribution – Oral Presentation – Paper Presentation	Wang, G. Y., Kasabov, N., Capecci, E., Doborjeh, M. G., Kydd, R., & Russell, B. (2015). EEG-based application of the NeuCube framework in addiction research. Paper presented at the 13th International Conference on Neuro- Computing and Evolving Intelligence (NCEI) 2015. Auckland, New Zealand.
Chapter or section in books	Kasabov, N. (2015). Integrative computational neurogenetic modelling., 1, (pp. 667-674). Academic press: Elsevier.
Chapter or section in books	Kasabov, N. (2015). Evolving Connectionist Systems: From Neuro-Fuzzy-, to Spiking- and Neuro-Genetic. In J. Kacprzyk & W. Pedrycz (Eds.), <i>Springer Handbook of Computational Intelligence</i> (pp. 771-782). Springer Berlin Heidelberg.
Conference contribution – Paper Published in Proceedings	Zhao, Y., Qiao, Y., Yang, J., & Kasabov, N. (2015). Abnormal Activity Detection Using Spatio-Temporal Feature and Laplacian Sparse Representation.. <i>ICONIP 2015</i> . (pp. 410-418). doi: 10.1007/978-3-319-26561-2_49
Conference contribution – Paper Published in Proceedings	Peng, L., Hou, Z. – G., Kasabov, N., Peng, L., Hu, J., & Wang, W. (2015). Implementation of active training for an upper-limb rehabilitation robot based on impedance control. (pp. 5453-5458). doi: 10.1109/CCDC.2015.7161769
Conference contribution – Published Abstract	Kasabov, N. (2015). Neuromorphic Predictive Systems Based on Deep Learning. <i>EANN 2015</i> , 1(1), doi: 10.1007/978-3-319-23983-5
Journal article – Article	Wang, J. – J., Jia, Z. – H., Qin, X. – Z., Yang, J., & Kasabov, N. (2015). Medical image enhancement algorithm based on NSCT and the improved fuzzy contrast. <i>International Journal of Imaging Systems and Technology</i> , 25(1), 7-14. doi: 10.1002/ima.22115
Journal article – Article	Kasabov, N. & Capecci, E. (2015). Spiking neural network methodology for modelling, classification and understanding of EEG spatio-temporal data measuring cognitive processes. <i>Information Sciences</i> , 294, 565-575. doi: 10.1016/j.ins.2014.06.028

Journal article - Article	Wang, J., Li, Q., Jia, Z., Kasabov, N., & Yang, J. (2015). A novel multi-focus image fusion method using PCNN in nonsubsampling contourlet transform domain. <i>Optik</i> , 126(20), 2508–2511. doi: 10.1016/j.ijleo.2015.06.019
Conference contribution - Paper Published in Proceedings	Gholami, M. & Kasabov, N. (2015). Dynamic 3D Clustering of Spatio-Temporal Brain Data in the NeuCube Spiking Neural Network Architecture on a Case Study of fMRI Data. <i>ICONIP 2015</i> . (pp. 191-198). doi: 10.1007/978-3-319-26561-2_23
Book - Edited Book	Kasabov, N. (2015). <i>Intelligent Systems'2014 - Proceedings of the 7th International Conference Intelligent Systems IEEE IS'2014, September 24–26, 2014, Warsaw, Poland, Volume 1: Mathematical Foundations, Theory, Analyses.</i> , 322, doi: 10.1007/978-3-319-11313-5
Conference contribution - Paper Published in Proceedings	Capecchi, E., Espinosa-Ramos, J. I., Mammone, N., Kasabov, N., Dunn-Henriksen, J., Wesenberg Kjaer, T., ... Morabito, C. (2015). Modelling Absence Epilepsy Seizure Data in the NeuCube Evolving Spiking Neural Network Architecture. <i>IJCNN 2015</i> . (pp. 1-8). doi: 10.1109/IJCNN.2015.7280764
Journal article - Article	Zhang, Y. - C., Jia, Z. - H., Qin, X. - Z., Yang, J., & Kasabov, N. (2015). Unsupervised detection of different SAR images based on improved NSCT domain image fusion algorithm. <i>Guangdianzi Jiguang/Journal of Optoelectronics Laser</i> , 26(10), 2023–2030. doi: 10.16136/j.joe.2015.10.0252
Conference contribution - Paper Published in Proceedings	Peng, L., Hou, Z. - G., Kasabov, N., Bian, G. - B., Vladareanu, L., & Yu, H. (2015). Feasibility of NeuCube spiking neural network architecture for EMG pattern recognition., 2015–October, (pp. 365–369). doi: 10.1109/ICAMechS.2015.7287090
Journal article - Article	Gholami, M., Wang, G., Kasabov, N., Kydd, R., & Russell, B. (2015). A Spiking Neural Network Methodology and System for Learning and Comparative Analysis of EEG Data from Healthy versus Addiction Treated versus Addiction Not Treated Subjects. <i>IEEE Transactions on Biomedical Engineering</i> , doi: 10.1109/TBME.2015.2503400

REGGIO HARTONO

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Sentanoe, S., Nugroho, A. S., Galinium, M., Hartono, R. N., Uliniansyah, M. T., & Layooari, M. (2015). Iris localization using gradient magnitude and fourier descriptor. (pp. 351–355). doi: 10.1109/ICACIS.2014.7065846

VIVIENNE BREEN

Publication Type	Citation
Journal article - Article	Breen, V., Kasabov, N., Kamat, A. M., Jacobson, E., Suttie, J. M., O'Sullivan, P. J., ... Darling, D. G. (2015). A holistic comparative analysis of diagnostic tests for urothelial carcinoma: A study of Cxbladder Detect, UroVysion® FISH, NMP22® and cytology based on imputation of multiple datasets. <i>BMC Medical Research Methodology</i> , 15(1), doi: 10.1186/s12874-015-0036-8

ENGINEERING

• School of Engineering

ACHALA PERERA

Publication Type	Citation
Journal article - Article	Pererea, T. A. S. A. & Collins, J. (2015). A novel eigenface based species recognition system. <i>International Journal of Computer Applications</i> , 115(20), 19–23. Retrieved from: http://www.ijcaonline.org/archives/volume115/number20/20268-2675

ADNAN AL-ANBUKY

Publication Type	Citation
Journal article - Article	Al-Anbuky, A. & Sivakumar, S. (2015). Dense clustered multi-channel wireless sensor cloud. <i>Journal of Sensor Actuator Networks</i> , 4(3), 208–225. Retrieved from: http://www.mdpi.com/2224-2708/4/3/208/pdf
Conference contribution - Paper Published in Proceedings	Al-Anbuky, A., Ezdiani, S., & Acharyya, I. (2015). An Architectural Concept for Sensor Cloud QoSaaS Testbed. In A. örstFer, T. Voigt,, E. Gaura, & J. usBrey. <i>Proceedings of the 6th ACM Workshop on Real World Wireless Sensor Networks,, RealWSN 2015.</i> (pp. 15–18). doi: 10.1145/2820990
Journal article - Article	Xiang, M., Liu, W., Bai, Q., & Al-Anbuky, A. (2015). Avoiding the Opportunist: The Role of Simmelian Ties in Fostering the Trust in Sensor-Cloud Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015, 1–11. Retrieved from: http://www.hindawi.com/journals/ijdsn/
Conference contribution - Paper Published in Proceedings	Al-Anbuky, A., Rudolph, S., Haehner, J., & Tomforde, S. (2015). Public Space Ambient Intelligence: Benefits, Approaches and Challenges. 3rd International Workshop on "Self-optimisation in Organic and Autonomic Computing Systems" (SAOS15),. Porto, Portugal.
Journal article - Article	Al-Anbuky, A., Xiang, M., & Liu, W. (2015). Avoiding the Opportunist: The Role of Simmelian Ties in Fostering the Trust in Sensor-Cloud Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11. Retrieved from: http://www.hindawi.com/journals/ijdsn/2015/873941/
Conference contribution - Paper Published in Proceedings	Abbas, S., Liu, W., Bai, Q., & Al-Anbuky, A. (2015). Whom You Know Matters: Relook Vehicle-to-Vehicle Communications from A Topological Perspective. <i>The 4th International Conference on Computational Social Networks (CSoNet 2015).</i> (pp. 248–261). doi: 10.1007/978-3-319-21786-4_22
Journal article - Article	Al-Anbuky, A. & Ezdiani,, S. (2015). Modelling the Integrated QoS for Wireless Sensor Networks with Heterogeneous Data Traffic. <i>Open Journal of Internet Of Things (OJIOT)</i> , 1(1), 1–15. Retrieved from: http://www.ronpub.com/index.php/journals/ojiot/issues
Conference contribution - Paper Published in Proceedings	Gheitasi, A. & Anbuky, A. A. (2015). Distributed signature analysis of induction motors using Artificial Neural Networks. <i>13th International Conference on Control, Automation, Robotics & Vision.</i> (pp. 1858–1863). doi: 10.1109/ICARCV.2014.7064599
Chapter or section in books	Luo, B., Liu, W., & Al-Anbuky, A. (2015). Energy aware survivable routing in ever-escalating data environments. In S. Yu, X. D. Lin, J. Mistic, & X. Shen (Eds.), <i>Networking for Big Data</i> (pp. 1). CRCPRESS.
Conference contribution - Paper Published in Proceedings	Xiang, M., Liu, W., Bai, Q., & Al-Anbuky, A. (2015). Simmelian ties and structural holes: Exploring their topological roles in forming trust for securing wireless sensor networks. <i>The 14th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (IEEE TrustCom-15).</i> Retrieved from: https://research.comnet.aalto.fi/Trustcom2015/
Journal article - Article	Merlino, G., Bruneo, D., Distefano, S., Longo, F., Puliafito, A., & Al-Anbuky, A. (2015). A smart city lighting case study on an OpenStack-powered infrastructure. <i>Sensors (Switzerland)</i> , 15(7), 16314–16335. doi: 10.3390/s150716314

Conference contribution – Paper Published in Proceedings	Al-Anbuky, A., Walker, C., & Bai, Q. (2015). OTAP Arbitration Effects in Randomly Deployed WSN's". ITNAC 2015. IEEE Xplore: IEEE Xplore.
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ALI GHAFFARIANHOSEINI

Publication Type	Citation
Journal article – Article	Rashidi, H., Ghaffarianhoseini, A., Ghaffarianhoseini, A., Nik Sulaiman, N. M., Tookey, J., & Hashim, N. A. (2015). Application of wastewater treatment in sustainable design of green built environments: A review. <i>Renewable and Sustainable Energy Reviews</i> , 49, 845–856. doi: 10.1016/j.rser.2015.04.104
Journal article – Article	GhaffarianHoseini, A., GhaffarianHoseini, A., Berardi, U., Alwarer, H., Chang, S., Halawa, E., ... Clements–droome, D. J. (2015). What is an intelligent building? Analysis of recent interpretations from an international perspective. <i>Architectural Science Review</i> , doi: 10.1080/00038628.2015.1079164
Journal article – Article	Ghaffarianhoseini, A., Berardi, U., & Ghaffarianhoseini, A. (2015). Thermal performance characteristics of unshaded courtyards in hot and humid climates. <i>Building and Environment</i> , 87, 154–168. doi: 10.1016/j.buildenv.2015.02.001
Conference contribution – Paper Published in Proceedings	GhaffarianHoseini, A., Ibrahim, R., Tookey, J., & GhaffarianHoseini, A. (2015). Quantitative Computational Experiment (QCE): An Alternative Post-Positivist Experimental Research Strategy of Inquiry for Design Studies. the 3rd International Conference on Civil and Architectural Engineering (ICCAE). Retrieved from: http://www.worldresearchlibrary.org/proceeding.php?pid=84
Journal article – Article	GhaffarianHoseini, A., Tookey, J., GhaffarianHoseini, A., Yusoff, S. M., & Hassan, N. B. (2015). State of the art of rainwater harvesting systems towards promoting green built environments: a review. <i>Desalination and Water Treatment</i> , doi: 10.1080/19443994.2015.1021097
Conference contribution – Paper Published in Proceedings	GhaffarianHoseini, A. & GhaffarianHoseini, A. (2015). Investigating the Effectiveness of Using Green Concrete Towards Promotion of Sustainable Built Environment.
Journal article – Review	GhaffarianHoseini, A. & GhaffarianHoseini, A. (2015). The World's Greenest Buildings–Promise versus Performance in Sustainable Design, Jerry Yudelson, Ulf Meyer. Routledge (Taylor & Francis Group), USA & Canada (2013). 258 pp., ISBN: 978-0-415-60629-5. <i>Cities</i> , 42, 279–280.
Journal article – Article	GhaffarianHoseini, A., GhaffarianHoseini, A., Ibrahim, R., & Tookey, J. (2015). Quantitative Computational Experiment (QCE): An Alternative Post-Positivist Experimental Research Strategy of Inquiry for Design Studies. <i>International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (IJCSEIERD)</i> , 25–35.
Journal article – Article	Karsan, K. & GhaffarianHoseini, A. (2015). Investigating the Effectiveness of Using Green Concrete towards Promotion of Sustainable Built Environment. <i>International Journal of Sustainable Tropical Design Research and Practice</i> , (Special Issue 3), 49–59. Retrieved from: http://www.frsb.upm.edu.my/dokumen/FKRSE1_49-59.pdf

ALI SAYADI

Publication Type	Citation
Journal article – Article	Sayadi, A. A., Abd Rahman, A. B., Sayadi, A., Bahmani, M., & Shahryari, L. (2015). Effective of elastic and inelastic zone on behavior of glass fiber reinforced polymer splice sleeve. <i>Construction and Building Materials</i> , 80, 38–47. doi: 10.1016/j.conbuildmat.2015.01.064

ANNE STAAL

Publication Type	Citation
Conference contribution – Oral Presentation – Paper Presentation	Hagelaar, G., Staal, A., Holman, R., & Walhof, G. (2015). The Nature of Embedded Purchasing Activities in SMEs – Results from a Dutch Multiple Case Study. Paper presented at the International Purchasing and Supply Education and Research Association (IPSERA), 24th Annual IPSERA Conference(VU University), 14. VU University Amsterdam, Amsterdam, The Netherlands.
Conference contribution – Paper Published in Proceedings	Staal, A. & Tookey, J. (2015). Procurement of non-incremental sustainable technology innovations – entrepreneurial firms supplying the New Zealand construction industry.. Australian Centre Entrepreneurial Research Exchange., 11th Annual Conference, (pp. 966-985). Retrieved from: http://acereconference.com/
Conference contribution – Oral Presentation – Paper Presentation	Crutzen, J., Losekoot, E., & Staal, A. (2015). FM Kiwi-style: The development of FM professionals in New Zealand. Paper presented at the European Facility Management Conference. Scottish Exhibition & Conference Centre, Glasgow, Scotland, UK.
Other form of output	Staal, A. (2015). Get your green suppliers on board – workshop at FMANZ Summit 2015 [FMANZ e-magazine for members]. http://www.fmanz.org/e-Magazine.html : http://www.fmanz.org/e-Magazine.html , (June 2015), 4. Retrieved from: http://www.fmanz.org/e-Magazine/June+2015.html
Conference contribution – Paper Published in Proceedings	Hagelaar, G., Staal, A., Holman,, & Walhof, G. (2015). Tool for Identifying Critical Control Points in Embedded Purchasing Activities within SMEs. In W. Dullaert, N. Hofstra, D. J. Kamann & S. De Leeuw. Preparing for New Competitive Challenges, International Purchasing and Supply Education and Research Association (IPSERA), (24th Annual IPSERA conference), (14 pages). Retrieved from: http://www.ipsera2015.com/
Conference contribution – Oral Presentation – Paper Presentation	Staal, A., Tookey, J. E., Seadon, J., Mobach, M., & Walhof, G. (2015). How Entrepreneurial New Zealand firms Procure Environmental Technical innovations for the Construction Industry.. Paper presented at the USE 2015 Understanding Small Enterprises. 71-71. Hanze University of Applied Sciences, Groningen, the Netherlands.

ANTONY ROBOTHAM

Publication Type	Citation
Journal article – Article	Abdelal, G. F., Georgiou, G., Cooper, J., Robotham, A. J., Levers, A., & Lunt, P. (2015). Numerical and Experimental Investigation of Aircraft Panel Deformations during Riveting Process. ASME Journal of Manufacturing Science and Engineering, 137, 011009-1-011009-11. Retrieved from: http://manufacturing-science.asmedigitalcollection.asme.org/mobile/article.aspx?articleid=1920450

ARRIAN PRINCE-PIKE

Publication Type	Citation
Journal article – Article	Prince-Pike, A., Wilson, D., Baroutian, A., Andrews, J., & Gapes, D. (2015). A Kinetic Model of Municipal Sludge Degradation During Non-catalytic Wet Oxidation. Water Research, 87, 225-236. Retrieved from: http://www.elsevier.com/locate/watres

ARUN JAYAKUMAR

Publication Type	Citation
Journal article – Article	Jayakumar, A., Sethu, S. P., Ramos, M., Robertson, J., & Al-Jumaily, A. (2015). A technical review on gas diffusion, mechanism and medium of PEM fuel cell. Ionics, 21(1), 1-18. doi: 10.1007/s11581-014-1322-x

BOON-CHONG SEET

Publication Type	Citation
Chapter or section in books	Sapuppo, A. & Seet, B. -. C. (2015). Social ambient intelligence for assisted living: Social context, networking, and privacy. In N. Garcia & J. Rodrigues (Eds.), <i>Ambient Assisted Living</i> (pp. 621-642). USA: CRC Press (Taylor Francis Group).
Journal article - Article	Lin, X. & Seet, B. -. C. (2015). A Linear Wide-Range Textile Pressure Sensor Integrally Embedded in Regular Fabric. <i>IEEE Sensors Journal</i> , 15(10), 5384-5385. Retrieved from: http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7151777
Conference contribution - Paper Published in Proceedings	Lin, X., Seet, B. -. C., & Joseph, F. (2015). Fabric Antenna with Body Temperature Sensing for BAN Applications over 5G Wireless Systems. 9th International Conference on Sensing Technology (ICST). IEEE.
Journal article - Article	Zhang, J., Seet, B. -. C., & Lie, T. T. (2015). Building information modelling for smart built environments. <i>Buildings</i> , 5(1), 100-115. Retrieved from: http://www.mdpi.com/2075-5309/5/1/100/htm
Journal article - Review	Aung, C. Y., Seet, B. C., Zhang, M., Xie, L. F., & Chong, P. H. J. (2015). A Review of Group Mobility Models for Mobile Ad Hoc Networks. <i>Wireless Personal Communications</i> , 85(3), 1317-1331. Retrieved from: http://link.springer.com/article/10.1007/s11277-015-2842-z
Journal article - Article	Hu, X., Zhao, J., Seet, B. -. C., Leung, V. C. M., Chu, T. H. S., & Chan, H. (2015). S-Aframe: Agent-based multilayer framework with context-aware semantic service for vehicular social networks. <i>IEEE Transactions on Emerging Topics in Computing</i> , 3(1), 44-63. Retrieved from: http://ieeexplore.ieee.org/xpl/abstractAuthors.jsp?arnumber=7018073
Conference contribution - Workshops or Panel Presentation	Seet, B. -. C. (2015). Sensor networks for ambient intelligence and smart environments. Presented at the Sensors in the Environment. Wellington, New Zealand, Te Papa.
Journal article - Editorial Comment	Bernardos, A. M., Seet, B. -. C., & Farella, E. (2015). Special issue on "Personalization and situation awareness in smart environments". <i>Journal of Ambient Intelligence and Humanized Computing</i> , 6(2), 151-152. doi: 10.1007/s12652-015-0256-0
Journal article - Review	Imran, N., Seet, B. -. C., & Fong, A. C. M. (2015). Distributed Video Coding for Wireless Video Sensor Networks: A Review of the State-of-the-Art Architectures. <i>SpringerPlus</i> , 4(513), 30. doi: 10.1186/s40064-015-1300-4
Journal article - Article	Sapuppo, A. & Seet, B. -. C. (2015). Privacy and technology challenges for ubiquitous social networking. <i>International Journal of Ad Hoc and Ubiquitous Computing</i> , 18(3), 121-138. Retrieved from: http://www.inderscienceonline.com/doi/abs/10.1504/IJAHUC.2015.068127
Conference contribution - Paper Published in Proceedings	Anwar, A., Seet, B., & Li, X. J. (2015). PIC-based Receiver Structure For 5G Downlink NOMA. 10th International Conference on Information, Communications and Signal Processing (ICICSP). (pp. 1-5). Singapore: IEEE.
Journal article - Editorial Comment	Gao, D., Foh, C. H., Seet, B. -. C., & Yang, O. W. W. (2015). Wireless Vehicular Sensor and Ad Hoc Networks 2015. <i>International Journal of Distributed Sensor Networks</i> , 2015, 2. Retrieved from: http://www.hindawi.com/journals/ijdsn/2015/257146/
Journal article - Article	Thomas, G. & Seet, B. -. C. (2015). Multi-interface cognitive radio for enhanced routing in multi-hop cellular networks. <i>International Journal of Communication Systems</i> , 31. Retrieved from: http://onlinelibrary.wiley.com/doi/10.1002/dac.3083/abstract

Conference contribution – Workshops or Panel Presentation	Seet, B. – C. & Li, J. (2015). Wireless Research at AUT School of Engineering. Presented at the IEEE New Zealand Wireless Workshop. Owen G Glenn Building, University of Auckland, Auckland.
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CHRIS WHITTINGTON

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Whittington, C. & Anderson, T. (2015). The design and performance of a novel low cost all polymer flat plate solar collector. In R. Egan & R. Passey. Proceedings APSRC 2015, 2015 Asia-Pacific Solar Research Conference. Retrieved from: http://apvi.org.au/solar-research-conference/2015-apsrc-proceedings/
Journal article – Article	Connor, A. M., Karmokar, S., & Whittington, C. (2015). From STEM to STEAM: Strategies for enhancing engineering & technology education. <i>International Journal of Engineering Pedagogy</i> , 5(2), 37-47. Retrieved from: http://online-journals.org/index.php/i-jep/issue/view/236

CRAIG BAGULEY

Publication Type	Citation
Journal article – Article	Twinaime, R. P., Thrimawithana, D. J., Madawala, U. K., & Baguley, C. A. (2015). A Dual-Active Bridge Topology with a Tuned CLC Network. <i>IEEE Transactions on Power Electronics</i> , 30(12), 6543-6550. doi: 10.1109/TPEL.2014.2384511

DAVE MOORE

Publication Type	Citation
Conference contribution – Oral Presentation – Paper Presentation	Tedestedt-George, C., Lamm, F., Bentley, T., Moore, D., Anderson, D., & McDonnell, N. (2015). Running on empty: New forms of vulnerability in the trucking industry in New Zealand. Paper presented at the Developing and Implementing Policies for a Better Future at Work, 4th Conference of the Regulating for Decent Work Network. ILO, Geneva.

DAVID WHITE

Publication Type	Citation
Journal article – Article	White, D. E., Bartley, J., & Nates, R. J. (2015). Model demonstrates functional purpose of the nasal cycle. <i>BioMedical Engineering Online</i> , 14(1), doi: 10.1186/s12938-015-0034-4
Journal article – Abstract	White, D. E., Bartley, J., Shakeel, M., & Hughes, C. (2015). Clinical study of n-CPAP elicited change in nasal airflow partitioning as potential cause of mucosal drying. <i>European Respiratory Journal</i> , 46(suppl 59), Retrieved from: http://erj.ersjournals.com/content/46/suppl_59/PA2314.article-info
Conference contribution – Paper Published in Proceedings	Loy, J., Reay, S. D., & White, D. (2015). Raising our Game: Creating new learning experiences with research collaborations. <i>Great Expectations: Design Teaching, Research & Enterprise: 17th International Conference on Engineering and Product Design Education</i> . Loughborough University, UK.
Conference contribution – Paper Published in Proceedings	Loy, J., Reay, S. D., & White, D. (2015). Raising our Game: Creating new learning experiences with research collaborations. <i>Great Expectations: Design Teaching, Research & Enterprise: 17th International Conference on Engineering and Product Design Education</i> . Loughborough University, UK.
Conference contribution – Oral Presentation – Paper Presentation	White, D. E., Bartley, J., & Nates, R. J. (2015). Functional purpose of the nasal cycle explained by computational modeling. Paper presented at the The 2015 Australian and New Zealand Rhinologic Conference. Queenstown, New Zealand, Hilton Hotel.

DAVID WILSON

Publication Type	Citation
Journal article - Article	Munir, M. T., Yu, W., Young, B. R., & Wilson, D. I. (2015). The current status of process analytical technologies in the dairy industry. <i>Trends in Food Science and Technology</i> , 43(2), 205-218. doi: 10.1016/j.tifs.2015.02.010
Conference contribution - Published Abstract	Munir, T., Yu, W., Wilson, D. I., & Young, B. (2015). Potential of hyperspectral imaging for quality control in milk powders. In S. Armstrong, J. Kauffman, G. K. Raju & M. Warman. <i>International Forum Process Analytical Technology (IFPAC) Food Quality, Safety and Analysis, IFPAC</i> . Retrieved from: http://www.ifpac.com/cgi-bin/IFPACProgram2015.pl
Journal article - Article	Rimpilainen, V., Kaipio, J., Depree, N., Young, B., & Wilson, D. I. (2015). Predicting functional properties of milk powder based on manufacturing data in an industrial-scale powder plant. <i>Journal of Food Engineering</i> , 153, 12-19. Retrieved from: http://www.sciencedirect.com/science/article/pii/S0260877414005317
Conference contribution - Paper Published in Proceedings	Munir, M. T., Depree, N., Young, B. R., & Wilson, D. I. (2015). Hyper-spectral imaging for the discrimination of milk powder. In D. Shallcross & K. Haggood. <i>APCCHE 2015 Congress, Asian Pacific Confederation of Chemical Engineering</i> . (pp. 1-12). Retrieved from: http://www.apcche2015.org/
Conference contribution - Paper Published in Proceedings	Boiarkina, I., Sang, C., Depree, N., Yu, W., Young, B., & Wilson, D. (2015). Significance of powder breakdown during in-plant transport at industrial milk powder plants. In D. Shallcross & K. Haggood. <i>Asian Pacific Confederation of Chemical Engineering (APCCHE), Asian Pacific Confederation of Chemical Engineering (APCCHE)</i> . (pp. 1-9). Melbourne, Australia.
Conference contribution - Published Abstract	Young, B., Depree, N., Boiarkina, I., Munir, T., & Wilson, D. I. (2015). A structured investigation of real-time prediction of milk powder functional properties. In S. Amstrong, J. Kauffman, G. K. Raju & M. Warman. <i>International Forum Process Analytical Technology (IFPAC) Food Quality, Safety and Analysis, 29th International Forum Process Analytical Technology (IFPAC)</i> . Retrieved from: http://www.ifpac.com/cgi-bin/IFPACProgram2015.pl
Journal article - Article	Prince-Pike, A., Wilson, D., Baroutian, A., Andrews, J., & Gapes, D. (2015). A Kinetic Model of Municipal Sludge Degradation During Non-catalytic Wet Oxidation. <i>Water Research</i> , 87, 225-236. Retrieved from: http://www.elsevier.com/locate/watres
Conference contribution - Published Abstract	Klymchuk, S., Maclaren, P., & Wilson, D. (2015). Lecturers' attitudes towards integrating pen-enabled tablet PCs in teaching engineering mathematics. In S. Carreira & N. Amado. <i>Online Proceedings of the 12th International Conference on Technology in Mathematics Teaching (ICTMT12), International Conference on Technology in Mathematics Teaching (ICTMT12)</i> . (pp. 530-532). Retrieved from: http://hdl.handle.net/10400.1/6081

ENRICO HAEMMERLE

Publication Type	Citation
Journal article - Article	Milsom, S. A., Sweeting, J. A., Sheahan, H., Haemmerle, E., & Windsor, J. A. (2015). Naso-enteric Tube Placement: A Review of Methods to Confirm Tip Location, Global Applicability and Requirements. <i>World Journal of Surgery</i> , 39(9), 2243-2252. doi: 10.1007/s00268-015-3077-6
Journal article - Article	Devaraj, H., Travas-Sejdic, J., Sharma, R., Aydemir, N., Williams, D., Haemmerle, E., & Aw, K. C. (2015). Bio-inspired flow sensor from printed PEDOT:PSS micro-hairs. <i>Bioinspiration and Biomimetics</i> , 10(1), doi: 10.1088/1748-3190/10/1/016017

FEI YING

Publication Type	Citation
Journal article - Article	Ying, J. F., Tookey, J., & Roberti, J. (2015). SCM competencies in construction: issues and challenges in New Zealand. <i>Journal of Engineering, Design and Technology</i> , 13(4), 522-538. doi: 10.1108/JEDT-01-2013-0002

GILBERT FOO

Publication Type	Citation
Journal article - Article	Zhang, X., Foo, G. H. B., Vilathgamuwa, D. M., & Maskell, D. L. (2015). An Improved Robust Field-Weakening Algorithm for Direct-Torque-Controlled Synchronous-Reluctance-Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , 62(5), 3255-3264. doi: 10.1109/TIE.2014.2386798
Journal article - Article	Foo, G., Xinan, Z., & Vilathgamuwa, D. M. (2015). Sensor Fault-Resilient Control of Interior Permanent Magnet Synchronous Motor Drives. <i>IEEE/ASME Transactions on Mechatronics</i> , 20(2), 855-864. doi: 10.1109/TMECH.2014.2311126
Journal article - Article	Nayanasiri, D. R., Foo, G., Vilathgamuwa, D. M., & Maskell, D. L. (2015). A Switching Control Strategy for Single and Dual Inductor Push-Pull Converters. <i>IEEE Transactions on Power Electronics</i> , 30(7), 3761-3771. doi: 10.1109/TPEL.2014.2348800
Journal article - Article	Nguyen, B. X., Vilathgamuwa, D. M., Foo, G., Wang, P., Ong, A., Madawala, U. K., & Nguyen, T. D. (2015). An Efficiency Optimization Scheme for Bidirectional Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 30(11), 6310-6319. doi: 10.1109/TPEL.2014.2379676

HAMID GHOLAMHOSSEINI

Publication Type	Citation
Chapter or section in books	Baig, M. M., GholamHosseini, H., & Connolly, M. J. (2015). mHealth Monitoring Systems for Hospitalised Older Adults - Current Issues and Challenges. In Adibi (Ed.), <i>Mobile Health (mHealth): The Technology Road Map</i> (pp. 299-317). Springer International Publishing: Springer International.
Conference contribution - Paper Published in Proceedings	Abbaspour, S., Lindén, M., & Gholamhosseini, H. (2015). ECG Artifact Removal from Surface EMG Signal Using an Automated Method Based on Wavelet-ICA. In B. Blobel, M. Lindén & M. U. Ahmed. <i>Proceedings of the 12th International Conference on Wearable Micro and Nano Technologies for Personalized Health (pHealth 2015), The 12th International Conference on Wearable Micro and Nano Technologies for Personalized Health (pHealth 2015), 211 Studies in Health Technology and Informatics</i> , (pp. 91-97). Retrieved from: http://www.iospress.nl/book/phealth-2015/
Conference contribution - Paper Published in Proceedings	Abbaspour, S., Gholamhosseini, H., & Linden, M. (2015). Evaluation of wavelet based methods in removing motion artifact from ECG signal., 48, (pp. 1-4). doi: 10.1007/978-3-319-12967-9_1
Conference contribution - Paper Published in Proceedings	Baig, M. M., Gholamhosseini, H., & Connolly, M. J. (2015). Integrated Vital Signs Monitoring System using Ubiquitous Devices: Multiple Physical Signs Detection and Decision Support for Hospitalized Older Adults. <i>The 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> . Retrieved from: http://emb.citengine.com/event/embc-2015/paper-details?pdID=4426
Conference contribution - Paper Published in Proceedings	Baig, M. M., GholamHosseini, H., & Linden, M. (2015). Tablet-based patient monitoring and decision support systems in hospital care., 2015-November, (pp. 1215-1218). doi: 10.1109/EMBC.2015.7318585
Journal article - Article	Baig, M., Gholamhosseini, H., Lindén, M., & Connolly, M. J. (2015). Review of vital signs monitoring systems - patient's acceptability, issues and challenges. <i>Journal of Neuroscience and Biomedical Engineering</i> , 2(1), 2-13. Retrieved from: http://benthamscience.com/journals/neuroscience-and-biomedical-engineering/volume/2/issue/1/
Conference contribution - Paper Published in Proceedings	Baig, M. & Gholamhosseini, H. (2015). Advanced Decision Support System for Older Adults. In M. J. Connolly & M. Linden. <i>Proceedings of the 12th International Conference on Wearable Micro and Nano Technologies for Personalized Health 2-4 June 2015 Västerås, Sweden, The 12th International Conference on Wearable Micro and Nano Technologies for Personalized Health (pHealth), 211 of Studies in Health Technology and Informatics</i> , (pp. 235-240). Retrieved from: http://www.iospress.nl/book/phealth-2015/

Journal article - Article	Abbaspour, S., Fallah, A., Lindén, M., & Gholamhosseini, H. (2015). A novel approach for removing ECG interferences from surface EMG signals using a combined ANFIS and wavelet. <i>Journal of Electromyography and Kinesiology</i> , doi: 10.1016/j.jelekin.2015.11.003
JACK XUEJUN LI	
Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Anwar, A., Seet, B., & Li, X. J. (2015). PIC-based Receiver Structure For 5G Downlink NOMA. 10th International Conference on Information, Communications and Signal Processing (ICICS). (pp. 1-5). Singapore: IEEE.
JAMES ROTIMI	
Publication Type	Citation
Journal article - Article	Ramachandra, T. & Rotimi, J. O. B. (2015). Causes of payment problems in the New Zealand construction industry. <i>Construction Economics and Building</i> , 15(1), 43-55. Retrieved from: http://epress.lib.uts.edu.au/journals/index.php/AJCEB/article/view/4214
Journal article - Article	Oyewobi, L. O., Windapo, A. O., & Rotimi, J. O. B. (2015). Measuring strategic performance in construction companies: A proposed integrated model. <i>Journal of Facilities Management</i> , 13(2), 109-132. Retrieved from: http://www.emeraldinsight.com/doi/pdfplus/10.1108/JFM-08-2013-0042
Journal article - Article	Adafin, J., Rotimi, J. O. B., & Wilkinson, S. (2015). Why do the design stage elemental cost plan and tender sum differ in New Zealand? <i>Journal of Financial Management of Property and Construction</i> , 20(2), 116-131. Retrieved from: http://www.emeraldinsight.com/doi/pdfplus/10.1108/JFMPC-08-2014-0016
Other form of output	Ajiboye, O., Rotimi, J., & Sumaila, A. F. (2015). Transport factor in the spread of Ebola and the building of disaster risk management capacity in West Africa [Journal of Transport and Health]. 2, (2, Supplement), S77. Retrieved from: http://ac.els-cdn.com/S2214140515005393/1-s2.0-S2214140515005393-main.pdf?_tid=339fdc5c-92f7-11e5-b14a-00000aab0f27&acdnat=1448402792_34de03f3aa448fa614e2e156f6c6c33e
Journal article - Article	Rajeh, M., Tookey, J., & Rotimi, J. O. B. (2015). Estimating transaction costs in the New Zealand construction procurement: A structural equation modelling methodology. <i>Engineering, Construction and Architectural Management</i> , 22(2), 242-267. Retrieved from: http://dx.doi.org/10.1108/ECAM-10-2014-0130
Journal article - Article	Oyewobi, L. O., Windapo, A. O., & Rotimi, J. O. B. (2015). An empirical analysis of construction organisations' competitive strategies and performance. <i>Built Environment Project and Asset Management</i> , 5(4), Retrieved from: http://www.emeraldinsight.com/doi/pdfplus/10.1108/BEPAM-10-2013-0045
Conference contribution - Paper Published in Proceedings	Adafin, J. K., Wilkinson, S., & Rotimi, J. O. B. (2015). Accuracy in design stage elemental cost planning: An analysis of New Zealand data. <i>Environmental Design and Management international Conference (EDMIC)</i> .
Journal article - Article	Ramachandra, T. & Rotimi, J. O. (2015). Mitigating payment problems in the construction industry through analysis of construction payment disputes. <i>The Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 7(1), A4514005-1-A4514005-8. Retrieved from: http://ascelibrary.org/doi/abs/10.1061/(ASCE)LA.1943-4170.0000156
Journal article - Article	Rotimi, J. O. B. & Ramanayaka, C. D. D. (2015). Analysis of the influence of a strategy-led planning approach on successful construction project implementation. <i>Construction Economics and Building</i> , 15(2), 13-30. Retrieved from: http://epress.lib.uts.edu.au/journals/index.php/AJCEB/article/view/4282

Journal article – Article	Rotimi, F. E., Tookey, J. E., & Rotimi, J. O. B. (2015). Home owners and developers relationships: Exploring the cordiality factor. <i>Structural Survey</i> , 33(3), 278–292. Retrieved from: http://www.emeraldinsight.com/toc/ss/33/3
Journal article – Article	Egbelakin, T., Wilkinson, S., Potangoroa, R., & Rotimi, J. (2015). Stakeholder practices: A challenge to earthquake risk mitigation decisions. <i>International Journal of Strategic Property Management</i> , 19(4), 395–408. Retrieved from: http://www.tandfonline.com/doi/abs/10.3846/1648715X.2015.1101029
Journal article – Article	Rotimi, J. O. B. & Ramanayaka, C. D. D. (2015). Reflective Practice and Technical Rationality in construction project planning. <i>Civil Engineering and Environmental Systems</i> , 32(4), 301–315. Retrieved from: http://dx.doi.org/10.1080/10286608.2015.1092523
Journal article – Article	Rotimi, F. E., Tookey, J., & Rotimi, J. O. (2015). Evaluating defect reporting in new residential buildings in New Zealand. <i>Buildings</i> , 5(1), 39–55. Retrieved from: http://www.mdpi.com/2075-5309/5/1/39/htm
Other form of output	Ajiboye, O. A., Lamm, F., Mowatt, S., & Rotimi, J. (2015). Humanitarian health care logistics during the Canterbury earthquakes in New Zealand [Journal of Transport and Health]. 2, (2, Supplement), S13. doi: 10.1016/j.jth.2015.04.504

JEFFREY SEADON

Publication Type	Citation
Conference contribution – Oral Presentation – Paper Presentation	Staal, A., Tookey, J. E., Seadon, J., Mobach, M., & Walhof, G. (2015). How Entrepreneurial New Zealand firms Procure Environmental Technical innovations for the Construction Industry.. Paper presented at the USE 2015 Understanding Small Enterprises. 71–71. Hanze University of Applied Sciences, Groningen, the Netherlands.

JOHN TOOKEY

Publication Type	Citation
Journal article – Article	Rotimi, F. E., Tookey, J., & Rotimi, J. O. (2015). Evaluating defect reporting in new residential buildings in New Zealand. <i>Buildings</i> , 5(1), 39–55. Retrieved from: http://www.mdpi.com/2075-5309/5/1/39/htm
Journal article – Article	GhaffarianHoseini, A., Tookey, J., GhaffarianHoseini, A., Yusoff, S. M., & Hassan, N. B. (2015). State of the art of rainwater harvesting systems towards promoting green built environments: a review. <i>Desalination and Water Treatment</i> , doi: 10.1080/19443994.2015.1021097
Conference contribution – Paper Published in Proceedings	GhaffarianHoseini, A., Ibrahim, R., Tookey, J., & GhaffarianHoseini, A. (2015). Quantitative Computational Experiment (QCE): An Alternative Post-Positivist Experimental Research Strategy of Inquiry for Design Studies. the 3rd International Conference on Civil and Architectural Engineering (ICCAE). Retrieved from: http://www.worldresearchlibrary.org/proceeding.php?pid=84
Journal article – Article	Rotimi, F. E., Tookey, J. E., & Rotimi, J. O. B. (2015). Home owners and developers relationships: Exploring the cordiality factor. <i>Structural Survey</i> , 33(3), 278–292. Retrieved from: http://www.emeraldinsight.com/toc/ss/33/3
Journal article – Article	Ying, J. F., Tookey, J., & Roberti, J. (2015). SCM competencies in construction: issues and challenges in New Zealand. <i>Journal of Engineering, Design and Technology</i> , 13(4), 522–538. doi: 10.1108/JEDT-01-2013-0002
Conference contribution – Paper Published in Proceedings	Staal, A. & Tookey, J. (2015). Procurement of non-incremental sustainable technology innovations – entrepreneurial firms supplying the New Zealand construction industry.. Australian Centre Entrepreneurial Research Exchange., 11th Annual Conference, (pp. 966–985). Retrieved from: http://acereconference.com/

Journal article – Article	Rajeh, M., Tookey, J., & Rotimi, J. O. B. (2015). Estimating transaction costs in the New Zealand construction procurement: A structural equation modelling methodology. <i>Engineering, Construction and Architectural Management</i> , 22(2), 242–267. Retrieved from: http://dx.doi.org/10.1108/ECAM-10-2014-0130
Journal article – Article	Rashidi, H., Ghaffarianhoseini, A., Ghaffarianhoseini, A., Nik Sulaiman, N. M., Tookey, J., & Hashim, N. A. (2015). Application of wastewater treatment in sustainable design of green built environments: A review. <i>Renewable and Sustainable Energy Reviews</i> , 49, 845–856. doi: 10.1016/j.rser.2015.04.104

KOSALA GUNAWARDANE

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Gunawardane, K., Kulartana, N., & Styen–Ross, A. (2015). Loss estimation and validation of the SCALDO implementation. 2015 IEEE 11th International Conference in Power Electronics and Drive Systems (PEDS). (pp. 89–92). Sydney, Australia.

KRISHNAMACHAR PRASAD

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Kulkarni, R., Prasad, K., & Lie, T. (2015). Flux pump for HTS rotating machinery applications. IEEE POWERTECH. Eindhoven.

LOULIN HUANG

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Bharatharaj, J., Huang, L., & Al–Jumaily, A. (2015). Bio–Inspired Therapeutic Pet Robots: Review and Future Direction. 10th International Conference on Information, Communications and Signal Processing.
Conference contribution – Paper Published in Proceedings	Reader, D. & Huang, L. (2015). Development of a quadrotor with embedded Linux. (pp. 1548–1553). doi: 10.1109/ICARCV.2014.7064546
Conference contribution – Paper Published in Proceedings	Lotfi, B., Goharimanesh, M., & Huang, L. (2015). Modelling and Control of Quadrotor Maneuvers with Variations of Center of Gravity (COG). 2015 IEEE International Conference on Advanced Intelligent Mechatronics (AIM). (pp. 1570–1574). Retrieved from: http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7222766&newsearch=true&queryText=Modelling%20and%20Control%20of%20Quadrotor%20Maneuvers%20with%20Variations%20of%20Center%20of
Conference contribution – Paper Published in Proceedings	Ashaat, S., Al–Jumaily, A. M., & Huang, L. (2015). Upper Airway Dynamic Characteristics–Comparative Study between Healthy Subjects and OSA Patients. ASME 2015 International Mechanical Engineering Congress & Exposition. (pp. 1–6).
Conference contribution – Paper Published in Proceedings	Gao, S. & Huang, L. (2015). Software Development for the Management of CAD Drawings. 10th Asian Forum on Graphic Science. (pp. 1–8). Japan Society for Graphic Science.

LULU WANG

Publication Type	Citation
Journal article - Article	Wang, L., Al-Jumaily, A. M., & Simpkin, R. (2015). Imaging of 3-D dielectric objects using far-field holographic microwave imaging technique. <i>Progress In Electromagnetics Research B</i> , 61(1), 135-147. doi: 10.2528/PIERB14082001
Journal article - Article	Wang, L., Simpkin, R., & Al-Jumaily, A. M. (2015). Three-dimensional far-field holographic microwave imaging: An experimental investigation of dielectric object. <i>Progress In Electromagnetics Research B</i> , 61(1), 169-184. doi: 10.2528/PIERB14101502
Journal article - Article	Wang, L., Al-Jumaily, A. M., & Simpkin, R. (2015). Investigation of antenna array configurations using far-field holographic microwave imaging technique. <i>Progress In Electromagnetics Research M</i> , 42, 1-11. Electromagnetics Academy.

MARIA VILLAPOL

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Villapol, M. E., Abreu, D. P., & Cordero, C. (2015). Planning a Wireless Mesh Network Which Takes Advantage of the Urban Geography of the City. (pp. 397-402). doi: 10.1109/APCASE.2015.77

MARK BECKERLEG

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Beckerleg, M. & Matulich, J. (2015). Evolving a lookup table based controller for robotic navigation. (pp. 195-202). doi: 10.1109/ICES.2014.7008740

MARTIN STOMMEL

Publication Type	Citation
Journal article - Article	Stommel, M., Herzog, O., & Xu, W. L. (2015). A quantitative evaluation of the conceptual consistency of visual words and visual vocabularies. <i>Journal of Visual Communication and Image Representation</i> , 28, 120-129. doi: 10.1016/j.jvcir.2014.11.015
Conference contribution - Paper Published in Proceedings	Stommel, M. & Xu, W. L. (2015). Qualitative control of soft robotic peristaltic sorting tables. (pp. 82-87). doi: 10.1109/ICMECH.2015.7083952
Journal article - Article	Stommel, M., Beetz, M., & Xu, W. (2015). Model-Free Detection, Encoding, Retrieval, and Visualization of Human Poses From Kinect Data. <i>IEEE/ASME Transactions on Mechatronics</i> , 20(2), 865-875. doi: 10.1109/TMECH.2014.2322376
Journal article - Article	Stommel, M. & Xu, W. (2015). Optimal, Efficient Sequential Control of a Soft-Bodied, Peristaltic Sorting Table. <i>IEEE Transactions on Automation Science and Engineering</i> , doi: 10.1109/TASE.2015.2405070

MAXIMIANO RAMOS

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Jayakumar, A., Ramos, M., & Al-Jumaily, A. (2015). A novel fuzzy schema to control the temperature and humidification of PEM fuel cell system. <i>ASME 2015</i> . doi: 10.1115/FUELCELL2015-49623

MAZIAR RAMEZANI

Publication Type	Citation
Chapter or section in books	Ramezani, M. & Neitzert, T. (2015). Computer simulations of hot extrusion of sintered Ti-6Al-4V alloy. In Liewald (Ed.), <i>New Developments in Forging Technology</i> (pp. 213-221). INVENTUM GmbH.
Journal article - Article	Heinzel, H., Ramezani, M., & Neitzert, T. (2015). Experimental investigation of the formability of organic coated steel sheet metal. <i>Procedia Manufacturing</i> , 1, 854-865. doi: 10.1016/j.promfg.2015.09.075
Journal article - Article	Ramezani, M. & Schmid, S. R. (2015). Bio-based lubricants for forming of magnesium. <i>Journal of Manufacturing Processes</i> , 19, 112-117. doi: 10.1016/j.jmapro.2015.06.008
Journal article - Article	Ramezani, M., Neitzert, T., Pasang, T., & Selles, M. A. (2015). Dry sliding frictional characteristics of ZE10 and AZ80 magnesium strips under plastic deformation. <i>Tribology International</i> , 82(A), 255-262. doi: 10.1016/j.triboint.2014.10.019

MICHAEL PROTHEROE

Publication Type	Citation
Thesis / Dissertation - Doctoral Thesis	Protheroe, M. D. (2015). An investigation of droplet evaporation characteristics in an ultrasound environment (Unpublished Doctoral Thesis). Auckland: Auckland University of Technology.

MIRZA BAIG

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Baig, M. & Gholamhosseini, H. (2015). Advanced Decision Support System for Older Adults. In M. J. Connolly & M. Linden. <i>Proceedings of the 12th International Conference on Wearable Micro and Nano Technologies for Personalized Health 2-4 June 2015 Västerås, Sweden, The 12th International Conference on Wearable Micro and Nano Technologies for Personalized Health (pHealth)</i> , 211 of <i>Studies in Health Technology and Informatics</i> , (pp. 235-240). Retrieved from: http://www.iospress.nl/book/phealth-2015/
Conference contribution - Paper Published in Proceedings	Baig, M. M., Gholamhosseini, H., & Connolly, M. J. (2015). Integrated Vital Signs Monitoring System using Ubiquitous Devices: Multiple Physical Signs Detection and Decision Support for Hospitalized Older Adults. <i>The 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> . Retrieved from: http://emb.citengine.com/event/embc-2015/paper-details?pdID=4426
Chapter or section in books	Baig, M. M., Gholamhosseini, H., & Connolly, M. J. (2015). mHealth Monitoring Systems for Hospitalised Older Adults - Current Issues and Challenges. In Adibi (Ed.), <i>Mobile Health (mHealth): The Technology Road Map</i> (pp. 299-317). Springer International Publishing: Springer International.
Journal article - Article	Baig, M., Gholamhosseini, H., Lindén, M., & Connolly, M. J. (2015). Review of vital signs monitoring systems - patient's acceptability, issues and challenges. <i>Journal of Neuroscience and Biomedical Engineering</i> , 2(1), 2-13. Retrieved from: http://benthamscience.com/journals/neuroscience-and-biomedical-engineering/volume/2/issue/1/
Conference contribution - Paper Published in Proceedings	Gholamhosseini, H., Baig, M. M., & Lindén, M. (2015). Tablet-based Patient Monitoring and Decision Support Systems in Hospital Care. <i>The 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> . Retrieved from: http://emb.citengine.com/event/embc-2015/paper-details?pdID=4425
Conference contribution - Paper Published in Proceedings	Baig, M. M., Gholamhosseini, H., & Linden, M. (2015). Tablet-based patient monitoring and decision support systems in hospital care., 2015-November, (pp. 1215-1218). doi: 10.1109/EMBC.2015.7318585

MOHAMMED RAJEH

Publication Type	Citation
Thesis / Dissertation - Doctoral Thesis	Rajeh, M. (2015). Comparative analysis of construction procurement systems based on transaction costs (Unpublished Doctoral Thesis). 1-441. Auckland: AUT University.
Journal article - Article	Rajeh, M., Tookey, J., & Rotimi, J. O. B. (2015). Estimating transaction costs in the New Zealand construction procurement: A structural equation modelling methodology. <i>Engineering, Construction and Architectural Management</i> , 22(2), 242-267. Retrieved from: http://dx.doi.org/10.1108/ECAM-10-2014-0130

NOREEN JAMIL

Publication Type	Citation
Journal article - Article	Jamil, N., Chen, X., & Cloninger, A. (2015). Hildreth's algorithm with applications to soft constraints for user interface layout. <i>Journal of Computational and Applied Mathematics</i> , 288, 193-202. doi: 10.1016/j.cam.2015.04.014

PETER HOOPER

Publication Type	Citation
Journal article - Article	Hooper, P. (2015). Instantaneous engine torque analysis of compact low mass two-cylinder engines for automotive hybrid or range-extender applications. <i>International Journal of Powertrains</i> , 4(4), Retrieved from: http://www.inderscience.com/info/inarticle.php?artid=73798

PIERSON RATHINARAJ

Publication Type	Citation
Journal article - Article	Rathinaraj, P., Al-Jumaily, A. M., & Huh, D. S. (2015). Internalization: Acute apoptosis of breast cancer cells using Herceptin-Immobilized gold nanoparticles. <i>Breast Cancer: Targets and Therapy</i> , 7, 51-58. doi: 10.2147/BCTT.S69834
Journal article - Article	Irwin, S. J., Thomas, S., Rathinaraj, P., & Duvuru, N. (2015). Angiosperm diversity of the Theosophical Society campus, Chennai, Tamil Nadu, India. <i>Check List</i> , 11(2), doi: 10.15560/11.2.1579
Journal article - Article	Rathinaraj, P., Lee, K., Park, S. Y., & Kang, I. K. (2015). Targeted images of KB cells using folate-conjugated gold nanoparticles. <i>Nanoscale Res Lett</i> , 10, 5. doi: 10.1186/s11671-014-0725-y

PIRATHEEPAN MAHENDRAN

Publication Type	Citation
Journal article - Article	Piratheepan, M. & Anderson, T. (2015). Natural convection heat transfer in façade integrated solar concentrators. <i>Solar Energy</i> , 122, 271-276. doi: 10.1016/j.solener.2015.09.008
Conference contribution - Paper Published in Proceedings	Mahendran, P. & Anderson, T. (2015). Optical Properties of Low Concentration Ratio Façade Integrated Solar Collectors. In Egan. <i>Proceedings APSRC 2015, 2015 Asia-Pacific Solar Research Conference</i> . Retrieved from: http://apvi.org.au/solar-research-conference/2015-apsrc-proceedings/

POUYAN ZARNANI

Publication Type	Citation
Journal article - Article	Zarnani, P. & Quenneville, P. (2015). New design approach for controlling brittle failure modes of small-dowel-type connections in Cross-laminated Timber (CLT). <i>Construction and Building Materials</i> , 100, 172-182. doi: 10.1016/j.conbuildmat.2015.09.049

REINHARD KLETTE

Publication Type	Citation
Conference contribution – Paper Published in Proceedings	Liu, D., Geng, H., & Klette, R. (2015). Star-Effect Simulation for Photography Using Self-calibrated Stereo Vision.. In T. Bräunl, B. McCane, M. Rivera & X. Yu. PSIVT, PSIVT 2015., 9431, (pp. 228-240). Retrieved from: http://dx.doi.org/10.1007/978-3-319-29451-3
Journal article – Article	Shin, B. – S., Caudillo, D., & Klette, R. (2015). Evaluation of two stereo matchers on long real-world video sequences. <i>Pattern Recognition</i> , 48(4), 1109-1120. doi: 10.1016/j.patcog.2014.04.011
Conference contribution – Paper Published in Proceedings	Guzmán, R., Hayet, J. – B., & Klette, R. (2015). Towards ubiquitous autonomous driving: The CCSAD dataset. 16th International Conference on Computer Analysis of Images and Patterns., 9256, (pp. 582-593). doi: 10.1007/978-3-319-23192-1_49
Journal article – Article	Fu, L. – H., Wu, W. – D., Zhang, Y., & Klette, R. (2015). Unusual Motion Detection for Vision-Based Driver Assistance. <i>International Journal of Fuzzy Logic and Intelligent Systems</i> , 15(1), 27-34. doi: 10.5391/IJFIS.2015.15.1.27
Conference contribution – Paper Published in Proceedings	Tao, J., Enzweiler, M., Franke, U., Pfeiffer, D., & Klette, R. (2015). What is in front? Multiple-object detection and tracking with dynamic occlusion handling. 16th International Conference on Computer Analysis of Images and Patterns., 9256, (pp. 14-26). doi: 10.1007/978-3-319-23192-1_2
Conference contribution – Paper Published in Proceedings	Geng, H., Chien, H. – J., Nicolescu, R., & Klette, R. (2015). Egomotion estimation and reconstruction with kalman filters and GPS integration. 16th International Conference in Computer Analysis of Images and Patterns., 9256, (pp. 399-410). doi: 10.1007/978-3-319-23192-1_33
Journal article – Article	Liu, D. & Klette, R. (2015). Fog effect for photography using stereo vision. <i>Visual Computer</i> , doi: 10.1007/s00371-014-1058-7
Conference contribution – Paper Published in Proceedings	Chien, H. – J., Geng, H., & Klette, R. (2015). Bundle adjustment with implicit structure modeling using a direct linear transform. 16th International conference in Computer Analysis of Images and Patterns., 9256, (pp. 411-422). doi: 10.1007/978-3-319-23192-1_34
Conference contribution – Paper Published in Proceedings	Zhang, Z., Chen, H., Xiao, Z., Chen, L., & Klette, R. (2015). Nighttime Vehicle Detection for Heavy Trucks.. In C. – H. Hsu, F. Xia, X. Liu & S. Wang. IOV, Second International Conference IOV 2015., 9502, (pp. 164-175). Retrieved from: http://dx.doi.org/10.1007/978-3-319-27293-1
Journal article – Article	Molina-Abril, H., Real, P., Nakamura, A., & Klette, R. (2015). Connectivity calculus of fractal polyhedrons. <i>Pattern Recognition</i> , 48(4), 1146-1156. doi: 10.1016/j.patcog.2014.05.016
Journal article – Article	Xu, Z., Shin, B. – S., & Klette, R. (2015). Closed form line-segment extraction using the Hough transform. <i>Pattern Recognition</i> , 48(12), 412-423. doi: 10.1016/j.patcog.2015.06.008
Conference contribution – Paper Published in Proceedings	Tao, J. & Klette, R. (2015). Part-based rdf for direction classification of pedestrians, and a benchmark. <i>Computer Vision – ACCV 2014 Workshops</i> ., 9009, (pp. 418-432). doi: 10.1007/978-3-319-16631-5_31
Conference contribution – Paper Published in Proceedings	Sabokrou, M., Fathy, M., Hoseini, M., & Klette, R. (2015). Real-time anomaly detection and localization in crowded scenes.. (pp. 56-62). Retrieved from: http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7293053

Journal article - Article	Xu, Z., Shin, B. - S., & Klette, R. (2015). Accurate and robust line segment extraction using minimum entropy with Hough transform. <i>IEEE Transactions on Image Processing</i> , 24(3), 813-822. doi: 10.1109/TIP.2014.2387020
Journal article - Article	Shin, B. - S., Tao, J., & Klette, R. (2015). A superparticle filter for lane detection. <i>Pattern Recognition</i> , 48(11), 3333-3345. doi: 10.1016/j.patcog.2014.10.011
Journal article - Article	Rezaei, M., Terauchi, M., & Klette, R. (2015). Robust vehicle detection and distance estimation under challenging lighting conditions. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 16(5), 2723-2743. doi: 10.1109/TITS.2015.2421482
Conference contribution - Paper Published in Proceedings	Liu, D., Nicolescu, R., & Klette, R. (2015). Bokeh effects based on stereo vision. 16th International Conference in Computer Analysis of Images and Patterns., 9256, (pp. 198-210). doi: 10.1007/978-3-319-23192-1_17
Journal article - Article	Xu, Z., Shin, B. - S., & Klette, R. (2015). Closed form line-segment extraction using the Hough transform. <i>Pattern Recognition</i> , 48(12), 4012-4023. doi: 10.1016/j.patcog.2015.06.008
Conference contribution - Paper Published in Proceedings	Moorfield, B., Haeusler, R., & Klette, R. (2015). Bilateral filtering of 3D point clouds for refined 3D roadside reconstructions. 16th International conference of Computer Analysis of Images and Patterns., 9257, (pp. 394-402). doi: 10.1007/978-3-319-23117-4_34
Conference contribution - Paper Published in Proceedings	Khan, W. & Klette, R. (2015). Stereo-matching in the context of vision-augmented vehicles. 11th International Symposium, ISVC 2015., 9475, (pp. 57-69). doi: 10.1007/978-3-319-27863-6_6
Conference contribution - Paper Published in Proceedings	Khan, U. & Klette, R. (2015). Logarithmically Improved Property Regression for Crowd Counting.. In T. Bräunl, B. McCane, M. Rivera & X. Yu. <i>PSIVT</i> ., 9431, (pp. 123-135). Retrieved from: http://dx.doi.org/10.1007/978-3-319-29451-3
Conference contribution - Paper Published in Proceedings	Chien, H. - J., Geng, H., Chen, C. - Y., & Klette, R. (2015). Multi-frame Feature Integration for Multi-camera Visual Odometry.. In T. Bräunl, B. McCane, M. Rivera & X. Yu. <i>PSIVT</i> ., 9431, (pp. 27-37). Retrieved from: http://dx.doi.org/10.1007/978-3-319-29451-3

ROSS TWINAME

Publication Type	Citation
Journal article - Article	Twinaame, R. P., Thrimawithana, D. J., Madawala, U. K., & Baguley, C. A. (2015). A Dual-Active Bridge Topology with a Tuned CLC Network. <i>IEEE Transactions on Power Electronics</i> , 30(12), 6543-6550. doi: 10.1109/TPEL.2014.2384511

ROY NATES

Publication Type	Citation
Journal article - Article	White, D. E., Bartley, J., & Nates, R. J. (2015). Model demonstrates functional purpose of the nasal cycle. <i>BioMedical Engineering Online</i> , 14(1), doi: 10.1186/s12938-015-0034-4
Conference contribution - Paper Published in Proceedings	Uzair, M., Anderson, T., Nates, R., & Jouin, E. (2015). A validated simulation of wind flow around a parabolic dish. In R. Egan & R. Passey. <i>PROCEEDINGS APSRC 2015, 2015 ASIA-PACIFIC SOLAR RESEARCH CONFERENCE</i> . Retrieved from: http://apvi.org.au/solar-research-conference/2015-apsrc-proceedings/
Journal article - Article	White, D. E., Bartley, J., & Nates, R. J. (2015). Model demonstrates functional purpose of the nasal cycle. <i>Biomedical Engineering Online</i> , 14(38), 1-11. doi: 10.1186/s12938-015-0034-4

Journal article - Article	Lenetsky, S., Nates, R. J., Brughelli, M., & Harris, N. K. (2015). Is effective mass in combat sports punching above its weight? <i>Human Movement Science</i> , 40, 89-97. doi: 10.1016/j.humov.2014.11.016
Conference contribution - Oral Presentation - Paper Presentation	White, D. E., Bartley, J., & Nates, R. J. (2015). Functional purpose of the nasal cycle explained by computational modeling. Paper presented at the The 2015 Australian and New Zealand Rhinologic Conference. Queenstown, New Zealand, Hilton Hotel.

SARANG CHEHREHSA

Publication Type	Citation
Journal article - Article	Moir, T. & Chehrehisa, S. (2015). Speech enhancement using Maximum A-Posteriori and GaussianMixture Models for speech and noise Periodogram estimation. <i>Computer Speech and Language</i> , 36, 58-71. Retrieved from: http://www.sciencedirect.com.ezproxy.aut.ac.nz/science/article/pii/S0885230815000868

SARAT SINGAMNENI

Publication Type	Citation
Journal article - Article	Singamneni, S., Patel, Y., Kshathriya, A., & Roychoudhury, A. (2015). Application of curved layer manufacturing for preservation of randomly located minute critical surface features in rapid prototyping. <i>Rapid Prototyping Journal</i> , 21(6), 725-734. doi: 10.1108/RPJ-07-2013-0073
Conference contribution - Oral Presentation - Keynote	Singamneni, S. & Velu, R. (2015). Selective laser sintering of Bio-composite material [Keynote]. Presented at the Lasers and Plasma Application in Materials Science 2015. Calcutta India.
Journal article - Article	Selvaraj, S. B. & Singamneni, S. (2015). Pre-Moisturized β -hemihydrate for 3D Printed Molds. <i>Materials and Manufacturing Processes</i> , doi: 10.1080/10426914.2015.1037918
Journal article - Article	Singamneni, S. & Davidson, K. (2015). Selective laser melting of duplex stainless steels; an investigation. <i>Materials and Man</i> , doi: 10.1080/10426914.2015.1090605
Conference contribution - Oral Presentation - Paper Presentation	Singamneni, S. & Velu, R. K. (2015). THERMAL ASPECTS OF SELECTIVE LASER SINTERING OF PMMA+ β -TCP COMPOSITES. Paper presented at the Solid Freeform Fabrication Symposium 2015. Austin, Texas USA.
Journal article - Article	Huang, B. & Singamneni, S. B. (2015). Curved layer adaptive slicing (CLAS) for fused deposition modelling. <i>Rapid Prototyping Journal</i> , 21(4), 354-367. doi: 10.1108/RPJ-06-2013-0059

SHERIF BESKHYROUN

Publication Type	Citation
Conference contribution - Oral Presentation - Paper Presentation	Ma, Q. T., Bisadi, M., & Beskhyroun, S. (2015). Evaluation of the dynamic amplification factor for railway bridges subjected to a series of moving mass. Paper presented at the COMPDYN 2015. Crete Island, Greece.
Journal article - article	Simkin, G., Beskhyroun, S., Ma, Q., Wotherspoon, L., & Ingham, J. (2015). Measured Response of Instrumented Buildings During the July 2013 Cook Strait Earthquake Sequence. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 48(4), 223-234. Retrieved from: http://bulletin.nzsee.org.nz/48/4/0223
Conference contribution - Paper Published in Proceedings	Morris, H. W., Beskhyroun, S., Li, M., Smith, T., & Carradine, D. (2015). In-situ lateral load test performance of Christchurch houses. <i>Tenth Pacific Conference on Earthquake Engineering - Building an Earthquake-Resilient Pacific.</i> , (Paper 155), (pp. 1-8). Sydney, Australia.

Conference contribution - Paper Published in Proceedings	Beskhyroun, S. F., Ma, Q., & Wotherspoon, L. M. (2015). Damage assessment of structures based on monitoring data. 10th Pacific Conference on Earthquake Engineering. Sydney, Australia.
Conference contribution - Paper Published in Proceedings	Tan, H., Ma, Q., Beskhyroun, S., Wotherspoon, L., & Simkin, G. (2015). The influence of environmental conditions on instrumented building recordings. 10th Pacific Conference on Earthquake Engineering (10PCEE). Sydney, Australia.

SIMON LIN

Publication Type	Citation
Journal article - Article	Lin, X. & Seet, B. - C. (2015). A Linear Wide-Range Textile Pressure Sensor Integrally Embedded in Regular Fabric. <i>IEEE Sensors Journal</i> , 15(10), 5384-5385. Retrieved from: http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7151777

SIVARAMAKRISHNAN SIVAKUMAR

Publication Type	Citation
Journal article - Article	Sivakumar, S. & Al-Anbuky, A. (2015). Dense Clustered Multi-Channel Wireless Sensor Cloud. <i>J. Sens. Actuator Netw.</i> , 4, 208-225. Retrieved from: http://www.mdpi.com/2224-2708/4/3/208/pdf

STEVE HENRY

Publication Type	Citation
Journal article - Review	Korchagina, E. Y. & Henry, S. M. (2015). Synthetic glycolipid-like constructs as tools for glycobiology research, diagnostics, and as potential therapeutics. <i>Biochemistry (Moscow)</i> , 80(7), 857-871. doi: 10.1134/S0006297915070068
Conference contribution - Oral Presentation - Keynote	Henry, S. (2015). Invention is not innovation – the experiences of KODE Biotech [Keynote] [Keynote]. Presented at the Bioprocessing Network Conference 2015. Wellington, New Zealand.
Journal article - Article	Perry, E. H. & Henry, S. (2015). Training students in serologic reaction grading increased perceptions of self-efficacy and ability to recognize serologic reactions but decreased grading accuracy. <i>Transfusion</i> , doi: 10.1111/trf.12985
Journal article - Article	Barr, K., Korchagina, E., Popova, I., Bovin, N., & Henry, S. (2015). Monoclonal anti-A activity against the FORS1 (Forssman) antigen. <i>Transfusion</i> , 55(1), 129-136. doi: 10.1111/trf.12773
Journal article - Corrigendum	Tesfay, M. Z., Kirk, A. C., Hadac, E. M., Griesmann, G. E., Federspiel, M. J., Barber, G. N., ... Russell, S. J. (2015). Erratum to PEGylation of vesicular stomatitis virus extends virus persistence in blood circulation of passively immunized mice [Journal of Virology 87, 7, (2013) 3752-3759]. <i>Journal of Virology</i> , 89(4), 2453-2453. doi: 10.1128/JVI.03446-14

TEK TJING LIE

Publication Type	Citation
Journal article - Article	Lie, T. T., Liang, X., & Haque, M. H. (2015). A cost-effective electric vehicle charging method designed for residential homes with renewable energy. <i>Central European Journal of Engineering</i> ,
Journal article - Article	Kaur, D., Lie, T. T., Nair, N. K. C., & Valles, B. (2015). Wind speed forecasting using hybrid wavelet transform - ARMA techniques. <i>AIMS Energy</i> , 3(1), 13-24. Retrieved from: http://www.aimspress.com/aimsse/ch/index.aspx

Journal article - Article	Zhang, J., Seet, B. - C., & Lie, T. T. (2015). Building information modelling for smart built environments. <i>Buildings</i> , 5(1), 100-115. Retrieved from: http://www.mdpi.com/2075-5309/5/1/100/htm
Conference contribution - Paper Published in Proceedings	Kulkarni, R., Prasad, K., & Lie, T. (2015). Flux pump for HTS rotating machinery applications. IEEE POWERTECH. Eindhoven.
Conference contribution - Paper Published in Proceedings	Ahmad, A., Anderson, T. N., Lie, T. T., & Holmes, W. (2015). A Platform for Analysing Advanced Photovoltaic Energy Controllers. In R. Egan & R. Passey. Proceedings APSRC 2015, 2015 Asia-Pacific Solar Research Conference. Retrieved from: http://apvi.org.au/solar-research-conference/2015-apsrc-proceedings/
Journal article - Article	Ahmad, A., Anderson, T. N., & Lie, T. T. (2015). Hourly global solar irradiation forecasting for New Zealand. <i>Solar Energy</i> , 122, 1398-1408. doi: 10.1016/j.solener.2015.10.055
Conference contribution - Oral Presentation - Paper Presentation	Mauboy, E., Lie, T. T., & Anderson, T. (2015). Stability Enhancement of a Power System with Wind Generation using an ANN based STATCOM. Paper presented at the The 10th International Conference on Advances in Power system Control, Operation and Management. Hong Kong - Hyatt Regency, Hong Kong.
Conference contribution - Poster Presentation	Ahmad, A., Anderson, T., & Lie, T. T. (2015). Excel based tool for global solar radiation forecasting using artificial neural network models. Poster presented at the Meteorological Society of New Zealand 2015 Annual Conference. Sunset Motel, Raglan, Raglan.

THOMAS NEITZERT

Publication Type	Citation
Chapter or section in books	Ramezani, M. & Neitzert, T. (2015). Computer simulations of hot extrusion of sintered Ti-6Al-4V alloy. In Liewald (Ed.), <i>New Developments in Forging Technology</i> (pp. 213-221). INVENTUM GmbH.
Journal article - Article	Ramezani, M., Neitzert, T., Pasang, T., & Sellès, M. A. (2015). Dry sliding frictional characteristics of ZE10 and AZ80 magnesium strips under plastic deformation. <i>Tribology International</i> , 82(PA), 255-262. doi: 10.1016/j.triboint.2014.10.019
Journal article - Article	Neitzert, T. (2015). Accuracy of Additive Manufactured Parts. <i>Key Engineering Materials</i> , 661, 113-118. doi: 10.4028/www.scientific.net/KEM.661.113

TIM PASANG

Publication Type	Citation
Journal article - Article	Ramezani, M., Neitzert, T., Pasang, T., & Selles, M. A. (2015). Dry sliding frictional characteristics of ZE10 and AZ80 magnesium strips under plastic deformation. <i>Tribology International</i> , 82(A), 255-262. doi: 10.1016/j.triboint.2014.10.019

TIMOTHY ANDERSON

Publication Type	Citation
Conference contribution - Paper Published in Proceedings	Uzair, M., Anderson, T., Nates, R., & Jouin, E. (2015). A validated simulation of wind flow around a parabolic dish. In R. Egan & R. Passey. PROCEEDINGS APSRC 2015, 2015 ASIA-PACIFIC SOLAR RESEARCH CONFERENCE. Retrieved from: http://apvi.org.au/solar-research-conference/2015-apsrc-proceedings/
Conference contribution - Poster Presentation	Ahmad, A., Anderson, T., & Lie, T. T. (2015). Excel based tool for global solar radiation forecasting using artificial neural network models. Poster presented at the Meteorological Society of New Zealand 2015 Annual Conference. Sunset Motel, Raglan, Raglan.

Conference contribution – Paper Published in Proceedings	Mahendran, P. & Anderson, T. (2015). Optical Properties of Low Concentration Ratio Façade Integrated Solar Collectors. In Egan. Proceedings APSRC 2015, 2015 Asia-Pacific Solar Research Conference. Retrieved from: http://apvi.org.au/solar-research-conference/2015-apsrc-proceedings/
Conference contribution – Published Abstract	Anderson, T., Norris, S. E., & Gillen, J. C. (2015). PIV analysis of natural convection in a partly open enclosure. In T. Vo, T. Tsai & G. J. Sheard. 9th Australasian Natural Convection Workshop Program and Book of Abstracts, 9th Australasian Natural Convection Workshop. (pp. 15-16). Retrieved from: http://sheardlab.org/9ancw/
Conference contribution – Oral Presentation – Paper Presentation	Mauboy, E., Lie, T. T., & Anderson, T. (2015). Stability Enhancement of a Power System with Wind Generation using an ANN based STATCOM. Paper presented at the The 10th International Conference on Advances in Power system Control, Operation and Management. Hong Kong – Hyatt Regency, Hong Kong.
Conference contribution – Paper Published in Proceedings	Ahmad, A., Anderson, T. N., Lie, T. T., & Holmes, W. (2015). A Platform for Analysing Advanced Photovoltaic Energy Controllers. In R. Egan & R. Passey. Proceedings APSRC 2015, 2015 Asia-Pacific Solar Research Conference. Retrieved from: http://apvi.org.au/solar-research-conference/2015-apsrc-proceedings/
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