

# Master of Computer and Information Sciences (MCIS) and Bachelor of Computer and Information Sciences Honours (BCIS Hons)

## Student Theses and Dissertations 2003-2008

### 2007-2008

- New Zealand broadband technologies adoption
- Developing a mobile robot with curiosity-driven discrimination intelligence
- Using satisfaction arguments and rich traceability in requirements prioritisation
- Environmental noise estimation for efficient speaker identification and voice change detection
- SMS-based vocabulary learning for ESL students
- Modelling and performance studies of integrated network scenarios in hospital environment
- Map compression for a graph traversal-based RFID indoor navigation system: implementation of wavelet compression
- An investigation of the impact of routing protocols on MANETs through simulation modelling
- Realization of the next-generation network - A study on network conversion toward the NGN
- Evaluate the effectiveness of test-driven development effectiveness: industrial case study
- Performance studies of IEEE 802.16-based mobile WiMAX
- A systematic method of requirement prioritization for medium to large number of requirements
- Hybrid recommender systems using item-to-item collaborative filtering
- Integrated feature, neighbourhood and model optimisation for personalised modelling
- Modelling correlation aided predication for intelligent finance data analysis and decision support
- Identifying an effective framework for useability evaluation of open journal system in educational settings
- Forensic procedures in recompiling digital data captured from unallocated disk space about time stamping file fragment association
- Methods & system for Brain analysis and knowledge discovery: A case study on the analysis of genes involved long term potentiation in relation to learning, memory and brain diseases
- Data modelling for RFID data
- Dynamic management of software development projects
- A survey of technologies and algorithms for parsing and indexing multimedia databases
- The use of tools and techniques in software requirements understanding in New Zealand
- Concept-based high-speed data stream mining
- Impact of security mechanisms on consumer trust in on-line banking transactions
- Enabling mobile commerce applications adoption : a New Zealand study
- Novel applications of association rules: Data stream mining
- Performance studies of VoIP over Ethernet LANs
- Multi-resolution call centre agent prediction over call volume data forecast
- Factors influencing the use of mobile banking: The case of SMS-based mobile banking
- Reinforcing good riding habits using an active feedback wrist pronation sensor and feedback device
- Visualisation of complex hierarchal structures (BCIS Hons)
- Discovery pattern interaction between variables form ontology databases on case study 'Brain gene Ontology'
- TCP performance over Ethernet LANs: An experimental study
- Measuring the uncertainty of user requirements using fuzzy logic method

- New Zealand location aware mobile applications: The landscape and trends
- The role of task characteristics in data modelling
- User experience: the user's sense of control in word processing applications
- Requirements impact analysis as a design tool
- A comparative study of mobile internet deployment models in New Zealand
- Impacts of signal strength on Wi-Fi link throughput
- Empirical analysis of imbalanced data sets
- Dynamic credit scoring using payment prediction
- Integrating systems in organisations that deploy web services
- Wireless network security: an experimental study
- Exploitation of constraints and frequent closed itemsets in association rule mining
- New Zealand location aware mobile applications
- Security mechanisms in IEEE 802.11-based WLANs
- The role of independent advocacy groups in RFID technology use

## 2003 - 2006

- Exploiting user profiles for personalised search
- An 'agile methods' risk management evaluation & project management tool that implements risk analysis
- Risk management in smaller software projects
- Mobile data services adoption in New Zealand: future predictions
- Ontology visualisation: the brain gene ontology case
- Use of association rule mining to generate digital library ontology
- Factors influencing adoption of RFID technology in the New Zealand hospital environment
- Adoption of mobile commerce services in New Zealand
- Attitudes to the use of Pair Programming (BCIS Honours)
- Knowledge discovery from biological data: A comparative analysis of local and global models
- What do organisations think of the potential of using RFID in their supply chain management?
- Integration of mobile commerce across the supply chain in New Zealand businesses
- Factors that influence the adoption of business benefit realisation models in New Zealand organisations
- An improved media access control protocol for wireless LANs
- Individual modelling using transductive inference and genetic algorithms
- Factors affecting the adoption/continued usage of Internet banking services in New Zealand
- Exploiting constraints in association rules mining
- Modelling and performance evaluation of intelligent agents (BCIS Honours)
- Exploring consumer attitudes towards mobile gaming in New Zealand
- Trust building in e-business considering business to consumer transactions (B2C): A usability study
- Gene selection based on consistency modelling, algorithms and applications
- An algorithm for component layout subject to real world constraints
- Nearest neighbour techniques for classification of imbalanced data sets