School of Engineering, Computer and Mathematical Sciences Research Showcase

Date:	Tuesday 9 September 2025
Time:	8:30am – 2:00pm
Location:	AUT City Campus
	WZ Building, WZ100c
	Auckland
	New Zealand

Time	Activity	Speaker
8:30 - 9:00am	*Reception with morning tea/coffee*	
9:00 - 9:10am	Opening Speech	Prof. Tek Lie, Head of School
9:10 - 9:25am	**Keynote Industry Talk** AI in the Future of Solar Energy	Mr. Tim Guo Regional General Manager of NZ/Aus, CNBM AUNZ Ltd
9:25 - 9:40am	**Centre for Intelligent Systems and Sustainable Energy**	Centre Director: Dr Boda Ning
9:40 - 9:55am	*Supercapacitors for Renewable Energy Applications*	Dr. Sadeesh Silva Thotabaddadurage
9:55 - 10:10am	**AUT AI Research Centre**	Centre Director: Prof. Edmund Lai
10:10 - 10:25am	*Traditional Methods Meet Large Vision Models: From Normalized Cuts - Topology Preserving*	Dr. Yanbin Liu
10:25 - 10:55am	*Tea Break*	
10:55 - 11:10am	**Mathematical Modelling and Analytics Research Centre**	Centre Director: Dr Nuttanan Wichitaksorn
11:10 - 11:25am	*From Numbers to Predictions: Understanding Avian Influenza through Modelling*	Dr. Hammed Fatoyinbo
11:25 - 11:40am	**Smart Systems, Materials and Manufacturing Research Centre**	Centre Director: Prof Sarat Singamneni
11:40 - 11:55am	*Topology optimisation and alternative materials for aerospace industries*	Dr. Yifan Lv
11:55 - 12:10pm	**Research Centre of Computer and Information Sciences**	Centre Director: Associate Professor Farhaan Mirza
12:10 - 12:25pm	*Making AI Accountable: Improving Transparency in AI-Driven Medical Error Detection*	Dr. Yuming Li
12:25 - 12:40pm	ECMS External Engagement	Prof. William Wong Associate Head of School- External Engagement
12:40 - 12:45pm	Closing Remarks	Prof. Felix Tan Associate Dean – Research
12:45 – 2:00pm	*Lunch and Networking*	