

**Pre-conference day - 7 December 2021 (14:00 - 21:00 NZDT)**

14:00	Workshop 1: NeuRec (14:00 - 21:00)	Workshop 2: SENTIRE (14:00 - 19:00)	Workshop 3: DMS (14:00 - 20:05)	Workshop 4: IncrLearn (14:00 - 21:00)	Workshop 5: SSTDm and (WAIN)SSTDm (14:00 - 20:00)	Workshop 6: IAAA (14:00 - 20:10)	Workshop 7: UDML (14:00 - 16:30)	Workshop 8: SFE-TSD (14:00 - 16:30)	Workshop 9: DLC (14:00 - 16:30)	Workshop 10: OEDM (14:00 - 16:30)	Workshop 11: EDMML (14:00 - 16:30)	Workshop 12: LITSA (14:00 - 16:30)	Workshop 13: HDM (14:00-16:30)	Workshop 14: DMBIH (14:00 - 15:20)	Workshop 15: MMLLD (14:00 - 17:20)	PhD Panel	Steering Committee Meeting (by Invitation) (15:00 - 18:00)			
16:30							Breakout rooms and Speed Networking											PhD Panel (GatherTown) (16:30 - 18:30)		
17:30							Workshop 16: CLEATED (17:30 - 20:00)	Workshop 17: SDM (17:30- 21:00)	Workshop 18: DMC (17:30 - 20:00)											
19:30																				
21:00																				

**Day 1 - 8 December 2021 (14:00 - 21:00 NZDT)**

14:00	Opening Ceremony																
15:00	Keynote: Towards Robust Machine Learning: Weak Supervision, Noisy Labels, and Beyond. Speaker: Prof Masashi Sugiyama. Session Chair: Prof Dacheng Tao																
16:00	Session 1A: Data Mining Foundations and Frontiers	Session 1B: Graph Mining and Learning	Session 1C: Sequences and Time Series 1	Session 1D: Text 1	Session 1E: Traffic forecasting	Tutorial 1: Wikimedia Visual Resources and its Application to Neural Visual Recommender Systems	Tutorial 2: Complement, Composite and Context: The 3C-Law to Build Multidomain Recommender Systems										
17:30	Networking (Breakout rooms and Speed Networking)																
18:00	Session 2A: Clustering	Session 2B: Algorithmic Methods	Session 2C: Sequences and Time Series 2	Session 2D: Text 2	Session 2E: Applications	Tutorial 3: Roles in Networks - Foundations, Methods and Applications											
18:30	Networking (Breakout rooms and Speed Networking)																
19:30	Job Matching Networking Session																
20:00																	

**Day 2 - 9 December 2021 (14:00 - 20:30 NZDT)**

14:00	Keynote: Sample Efficient AI with Applications in Health Care and Advanced Manufacturing. Speaker: Prof Svetha Venkatesh. Session Chair: James Bailey																
15:00	Networking																
15:30	Session 3A: Graph Learning	Session 3B: Fairness and Interpretability	Session 3C: Sequences and Time Series 3	Session 3D: Deep Learning 1	Session 3E: Biological and Physical Systems	Session 3F: Representation Learning											
17:00	Networking (Breakout rooms and Speed Networking)																
17:30	Session 4A: Networks	Session 4B: Causality and Fairness	Session 4C: Theory and Optimization	Session 4D: Deep Learning 2	Session 4E: Bandits and Online Methods	Session 4F: Meta Learning	Tutorial 4: Automated Taxonomy Discovery and Exploration										
19:00	Networking (Breakout rooms and Speed Networking)																
19:30	Panel Discussion. Moderator: Prof Michael Witbrock																

**Day 3 - 10 December 2021 (14:00 - 21:00 NZDT)**

14:00	Keynote: Towards Trustworthy Data Science: Interpretability, Fairness and Marketplaces. Speaker: Prof Jian Pei. Session Chair: Pauli Miettinen																
15:00	Networking																
15:30	Session 5A: Crowdsourcing	Session 5B: Explainability	Session 5C: Graph Neural Networks 1	Session 5D: Statistical Techniques	Session 5E: Clinical Data Analysis	Session 5F: Reinforcement Learning	Special Session in Diversity: Women in Data Science and Machine Learning Speaker: Prof Kern Mengersen Session Chair: Prof Richi Nayak										
16:30	Networking (Breakout rooms and Speed Networking)																
17:00	Session 6A: Recommender Systems	Session 6B: Adversarial Learning	Session 6C: Graph Neural Networks 2	Session 6D: Active and Semi-Supervised Learning	Session 6E: Matrix and Tensor												
17:30	Networking (Breakout rooms and Speed Networking)																
19:00	Awards Ceremony																
19:30	Closing																
20:30																	