

Time	ADC Day 1 (2nd September) Venue: Design Studio, Level 5, Ainsworth Building (J17), Kensington Campus, UNSW
10:00-12:00	ADC Session 1 <ul style="list-style-type: none"> Yehong Xu, Mengxuan Zhang, Ruizhong Wu, Lei Li and Xiaofang Zhou A Top-Down Scheme for Coverage Centrality Queries on Road Networks Nimish Ukey, Zhengyi Yang, Guangjian Zhang, Boge Liu, Binghao Li and Wenjie Zhang Efficient kNN Join over Dynamic High-dimensional Data Dolly Sharma, Sonia Khetarpaul, Ambreesh Parthsarthy, Mohit Kumar S and Sparsh Agarwalla Performance prediction of songs on online music platforms Oded Shmueli, Database States Exhibiting Tree Projection Necessity
12:00-13:00	Lunch
13:00-15:00	ADC Session 2 <ul style="list-style-type: none"> Xi Chen, Zhi Chen, Zijian Wang, Ruihong Qiu and Yadan Luo FluMA: An Intelligent Platform for Influenza Monitoring and Analysis Sonia Khetarpaul, Dolly Sharma, Jackson I. Jose and Mohith Saragur Real-time Detection and Visualization of Traffic Conditions by Mining Twitter Data Lakshit Sama and Hua Wang Enhancing system security by Intrusion Detection using Deep learning Josh Trueman, Hui Ma, Aaron Chen and Sven Hartmann (<i>Invited Talk</i>) Multi-objective Social Network Analysis - A Graph Database Supported NSGA-II based Approach
15:00-15:30	ADC Opening Speaker: Prof Jeffrey Xu Yu
15:30-16:00	Afternoon Tea
16:00-18:00	ADC Session 3 <ul style="list-style-type: none"> Lingxiao Li, Muhammad Aamir Cheema, Mohammed Eunus Ali, Hua Lu and Huan Li Diverse Shortest Paths in Game Maps: A Comparative User Study and Experiments Ahmed Fahmin, Shenyi Zhang, Muhammad Aamir Cheema, Adel N. Toosi and Hesham A. Rakha Improving Eco-Friendly Routing Considering Detailed Mobility Profiles, Driving Behavior and Vehicle Type Ashik Mostafa Alvi, Siuly Siuly and Hua Wang Challenges in Electroencephalography Data Processing Using Machine Learning Approaches Hui Chen, Zhengze Li, Yan Zhou, Xiaoming Fu (<i>Invited Paper</i>) On International Chinese Education Index Ranking in A Global Perspective
18:00-19:30	ADC Welcome Reception

Time	ADC Day 2 (3rd September) Venue: Design Studio, Level 5, Ainsworth Building (J17), Kensington Campus, UNSW
10:00-12:00	ADC Session 4: <ul style="list-style-type: none"> Xia Li, Kongzhang Hao, Zhengyi Yang, Xin Cao and Wenjie Zhang Hop-constrained s-t Simple Path Enumeration in Large Uncertain Graphs Saurabh Mishra and Sonia Khetarpaul Predicting Taxi Hotspots in Dynamic Conditions using Graph Neural Network Md. Nurul Ahad Tawhid, Siuly Siuly, Kate Wang and Hua Wang Brain Data Mining Framework Involving Entropy Topography and Deep Learning Ashwin Sankar and Dhanalakshmi R Comparative Study of Transformer Models
12:00-13:00	Lunch
13:00-14:30	ADC Session 5: <ul style="list-style-type: none"> Zhaoyi Zhong, Le Sun and Sudha Subramani Personalized Arrhythmia Detection based on Lightweight Autoencoder and Variational Autoencoder Taslina Khanam, Siuly Siuly and Hua Wang Analysing big brain signal data for advanced Brain Computer Interface system Tatsuhiko Nakamori, Jun Nemoto, Hoshino Takashi and Hideyuki Kawashima Removing Performance Bottleneck of Timestamp Allocation in Two-Phase Locking based Protocol
14:30-15:30	Keynote 1: Speaker: Prof Lei Chen Title: Data Management for Effective and Efficient Deep Learning
15:30-16:30	Keynote 2: Speaker: Dr Divesh Srivastava Title: Exploring and Analyzing Change: The Janus Project
16:30-18:00	Afternoon Tea and Social Activities
18:30-21:00	ADC Banquet

Time	ADC PhD School (4th September) Venue: Design Studio, Level 5, Ainsworth Building (J17), Kensington Campus, UNSW
9:00-10:00	Tutorial 1: Speaker: Prof Zhifeng Bao and Mr Hai Lan Title: Learn to Index Your Data and Select Your Index
10:00-10:30	Morning Tea
10:30-11:30	Tutorial 2: Speaker: A/Prof Lu Qin Title: Querying and Processing Bipartite Graphs: Models, Algorithms and Experiments
11:30-12:00	Invited Talk 1: Speaker: Mr Alexander Zhou Title: Beyond Normal Graphs: Finding New Research Topics on Complex Graph Types
12:00-12:30	Invited Talk 2: Speaker: Dr Jingwei Hou Title: Three Lessons I Learnt During my PhD
12:30-13:30	Lunch
13:30-14:30	Tutorial 3: Speaker: A/Prof Jianxin Li Title: Temporal Community Mining, Computation and its Applications
14:30-15:30	Tutorial 4: Speaker: Dr Renata Borovica-Gajic Title: Machine Learning and Databases: Friends or Foes?
15:30-16:00	Afternoon Tea and ADC Closing Speaker: Prof Xuemin Lin