Attendees registering for the PhD workshop are welcome to attend keynotes, tutorials, panels, encore track sessions, as well as shepherding track sessions.

Time	ADC Day 1 (1st November) Venue: Melbourne Connect, Level 7, Manhari Room
8:45-9:00	ADC Opening Speaker: Zhifeng Bao, Renata Borovica-Gajic
9:00-10:00	Keynote 1: (Session Chair: Renata Borovica-Gajic) Speaker: Geoff Webb Title: Large Language Models: Risks and Benefits
10:00-10:30	Morning Tea
10:30-12:00	Tutorial 1: Speaker: Prof Shirui Pan, Xin Zheng Title: Towards Data-centric Graph Machine Learning
12:00-13:00	Lunch
13:00-15:00	Tutorial 2: Speaker: A/Prof Tongliang Liu Title: Detect Label Errors in Datasets
15:00-15:30	Afternoon Tea
15:30-17:00	Tutorial 3: Speaker: Dr Xin Yu, Dr Liang Zheng, Dr Zijian Wang Title: Data-centric Computer Vision: Problems, Good Practices and Preliminary Solutions
17:00-18:00	Panel Discussion: Speaker: Prof Shirui Pan, A/Prof Tongliang Liu, Dr Xin Yu, Dr Liang Zheng, Dr Zijian Wang Title: Data-centric Artificial Intelligence

Time	ADC Day 2 (2nd November) Venue: Melbourne Connect, Level 7, Manhari Room
9:00-10:00	Keynote 2: (Session Chair: Zhifeng Bao) Speaker: Ling Chen Title: How Do Large Language Models Capture the Ever-changing World Knowledge? A Review of Recent Advances
10:00-10:30	Morning Tea
10:30-12:00	Tutorial 4: Speaker: A/Prof Yang Cao Title: Towards Trustworthy Data Markets: Recent Advances and Open Problems
12:00-13:00	Awards Ceremony and Lunch
13:00-14:30	Tutorial 5: Speaker: Dr Bang Wu, He Zhang Title: Privacy Challenges in Graph Neural Networks in MLaaS
14:30-15:00	Afternoon Tea

15:00-17:00	**Lightening Talks of Encore Papers:** **(Session Chair: Shixun Huang)** • **Hierarchical Core Decomposition in Parallel:From Construction to Subgraph Search** • **Efficient Maximal Biclique Enumeration for Large Sparse Bipartite Graphs** • **TxAllo: Dynamic Transaction Allocation in Sharded Blockchain Systems** • **Temporal and Heterogeneous Graph Neural Network for Financial Time Series Prediction Financial Time Series Prediction** • **Hop-Constrained s-t Simple Path Enumeration on Large Dynamic Graphs** • **Demystifying Uneven Vulnerability of Link Stealing Attacks against Graph Neural Networks** • **MAMDR: A Model Agnostic Learning Framework for Multi-Domain Recommendation** • **Committed Private Information Retrieval** • **Diversified Top-k Route Planning in Road Network** • **Efficiently Learning Spatial Indices** • **Manipulating Federated Recommender Systems: Poisoning with Synthetic Users and Its Countermeasures** • **Semi-decentralized Federated Ego Graph Learning for Recommendation** • **Towards Graph-level Anomaly Detection via Deep Evolutionary Mapping** • **Ultrafast Euclidean Shortest Path Computation Using Hub Labeling** • **Efficient Object Search in Game Maps** • **Beyond Pairwise Reasoning in Multi-Agent Path Finding** • **Group-based Fraud Detection Network on e-Commerce Platforms** • **Migrating Social Event Recommendation Over Microblogs** • **TimeClave: Oblivious In-enclave Time series Processing System** • **Equitable Public Bus Network Optimization for Social Good: A Case Study of Singapore** • **Few-Shot Semantic Relation Prediction Across Heterogeneous Graphs** • **Cross-heterogeneity Graph Few-shot Learning** • **Representative Routes Discovery From Massive Trajectories** • **EDNet: Attention-Based Multimodal Representation for Classification of Twitter Users Related to Eating Disorders** *NOTE: *Each oral presentation has 5 mins.*
17:00-18:30	**Encore Papers Poster Session** **(Session Chair: Junhao Gan)**
19:00	**ADC Banquet** **Venue: East Imperial (323 Rathdowne St, Carlton VIC 3053)**

Time	ADC Day 3 (3rd November) Venue: Melbourne Connect, Level 7, Manhari Room
9:00-10:00	**Keynote 3:** **(Session Chair: Zhifeng Bao)** **Speaker: Gao Cong** **Title: Empowering Database Systems with Machine Learning**
10:00-10:30	**Morning Tea**
10:30-12:00	**Research Track Papers: Query Processing and Optimization** **(Session Chair: Linzhe Cai)** • **kNN Join for Dynamic High-dimensional Data: A Parallel Approach** • **Why Query Plans are Different: An Automatic Detection and Inference System** • **Probabilistic Reverse Top-k Query on Probabilistic Data** • **SMST: A Saliency Map to Scanpath Transformer** • **Take a close look at the optimization of deep kernels for non-parametric two-sample tests** • **Multi-level Storage Optimization for Intermediate Data in AI Model Training** *NOTE: *Each oral presentation has 15 mins (12 mins presentation and 3 mins Q&A).*
12:00-13:00	**Lunch**
13:00-15:00	**Research Track Papers: Artificial Intelligence in Big Data** **(Session Chair: Tingting Wang)** • **Balanced and Explainable Social Media Analysis for Public Health with Large Language Models** • **Towards Reliable and Efficient Vegetation Segmentation for Australian Wheat Data Analysis** • **Batch Level Distributed Training of LSTM for Electricity Price Forecasting** • **Health Status Assessment for HDDs based on Bi-LSTM and N-dimensional Similarity Metric** • **Learning Implicit Sentiment for Explainable Review-Based Recommendation** • **Prompt-based Effective Input Reformulation for Legal Case Retrieval** • **Enhancing Night-to-Day Image Translation with Semantic Prior and Reference Image Guidance** • **Surveying the Landscape: Compound Methods for Aspect-Based Sentiment Analysis** *NOTE: *Each oral presentation has 15 mins (12 mins presentation and 3 mins Q&A).*
15:00-15:30	**Afternoon Tea**

15:30-17:30	**Research Track Papers: Network and Graph Data Management** **(Session Chair: Hai Lan)** • **Discovering Graph Differential Dependencies** • **Influence Maximization Revisited** • **Discovering Densest Subgraph over Heterogeneous Information Networks** • **Maximum Fairness-aware (k,r)-Core Identification in Large Graphs** • **On Directed Densest Subgraph Detection** • **Balanced Hop-constrained Path Enumeration in Signed Directed Graphs** • **An Experimental Evaluation of Two Methods on Shortest Distance Queries over Small-world Graphs** • **IFGNN: An Individual Fairness Awareness Model for Missing Sensitive Information Graphs** *NOTE: *Each oral presentation has 15 mins (12 mins presentation and 3 mins Q&A).*
17:30-18:30	**Shepherding Track Papers:** **(Session Chair: Daomin Ji)** • **An Empirical Analysis of Just-in-Time Compilation in Modern Databases** • **Optimizing Taxi Route Planning Based on Taxi Trajectory Data Analysis** • **Efficient Maximum Relative Fair Clique Computation in Attributed Graphs** • **Relational Expressions for Data Transformation and Computation** *NOTE: *Each oral presentation has 15 mins (12 mins presentation and 3 mins Q&A).*
18:30-18:45	**ADC Closing**