Time	ADC Day 1 (2nd September)

10:00-12:00	**ADC Session 1**
	• 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**
	• 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 (*Invited Talk*)
	  Multi-objective Social Network Analysis - A Graph Database Supported NSGA-II based Approach

15:00-15:30	**ADC Opening**
15:30-16:00	**Afternoon Tea**

16:00-18:00	**ADC Session 3**
	• 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 (*Invited Paper*)
	  On International Chinese Education Index Ranking in A Global Perspective

18:00-19:30	**ADC Welcome Reception**

Time	ADC Day 2 (3rd September)
9:00-10:00	**Keynote 1:** **Speaker: Prof Lei Chen** **Title: Data Management for Effective and Efficient Deep Learning**
10:00-10:30	**Morning Tea**
10:30-12:30	**ADC Session 4:** • 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
12:30-13:30	**Lunch**
13:30-15:30	**ADC Session 5:** • Zhaoyi Zhong, Le Sun and Sudha Subramani Personalized Arrhythmia Detection based on Lightweight Autoencoder and Variational Autoencoder • Taslima Khanam, Siuly Siuly and Hua Wang Analysing big brain signal data for advanced Brain Computer Interface system • Tatsuhiro Nakamori, Jun Nemoto, Hoshino Takashi and Hideyuki Kawashima Removing Performance Bottleneck of Timestamp Allocation in Two-Phase Locking based Protocol
15:30-16:30	**Keynote 2:** **Speaker: Dr Divesh Srivastava** **Title: Exploring and Analyzing Change: The Janus Project**
16:30-18:00	**Social Activities**
18:30-21:00	**ADC Banquet**

Time	ADC PhD School (4th September)
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**
16:00-17:00	**PhD Consortium**