

PAKDD 2018

JUNE 03-06 2018, MELBOURNE, AUSTRALIA

CALL FOR PAPERS

Now in its 22nd edition, the Pacific-Asia conference on Knowledge Discovery and Data mining is the second oldest conference and a leading venue in the area of knowledge discovery and data mining (KDD). With a great pleasure, the Program Committee cordially invites original research and industrial application paper submission for the main technical track of the conference which will be held in the lovely city, Melbourne, Australia from June 3rd to June 6th, 2018. Submission must be high-quality, original and previously unpublished research in the theory, practice, and application on all aspects of knowledge discovery, and data mining. Research papers reporting original real-world application problems and industrial papers reporting real-time mining applications and system development experience are also highly encouraged.

Submission deadline: November 14th, 2017

Topics

As a premier international conference on knowledge discovery and data mining, PAKDD'18 welcomes all submissions on all aspects of knowledge discovery, data mining and machine learning. Suggestive topics of relevance for the conference include, but not limited to, the following:

- Theoretic foundations of KDD
- Deep learning theory and applications in KDD
- Novel models and algorithms
- Statistical methods and graphical models for data mining
- Anomaly detection and analytics
- Association analysis
- Clustering, Classification
- Data pre-processing
- Feature extraction and selection
- Post-processing, quality assessment and validation
- Mining heterogeneous/multi-source data
- Applications to healthcare, bioinformatics, computational chemistry, finance, eco-informatics, marketing, gaming, cyber-security, and industry-related problems.
- Mining spatial, temporal, dynamic, streaming data
- Mining unstructured and semi-structured data
- Mining graph, network data, social networks, high-dim data
- Mining uncertain data, imbalanced data
- Mining behavioral data, multi-media data, scientific data
- Privacy preserving data mining, fraud and risk analysis
- Security and intrusion detection
- Visual data mining, interactive and online mining
- Ubiquitous KDD and agent-based data mining
- Integration of data warehousing, OLAP, and data mining
- Parallel, distributed, cloud-based high-performance data mining
- Opinion mining, sentiment analysis
- Human, domain, organizational, social factors in data mining

IMPORTANT DATES

Paper due: November 14th, 2017

Notification: January 28th, 2018

Camera: February 20th, 2018

Workshop proposal due:
October 15th, 2017

Tutorial proposal due:
December 10th, 2017

Competition starts:
November 20th, 2017

General Chairs

Geoff Webb, Monash, Australia
Tu-Bao Ho, JAIST, Japan

PC Chairs

Dinh Phung, Deakin, Australia
Vincent Tseng, Nat. Chiao Tung, Taiwan

Tutorial Co-Chairs

Wray Buntine, Monash, Australia
Jeffrey Xu Yu, CUHK, China

Workshop Co-Chairs

Benjamin Fung, McGill, Canada
Can Wang, Griffith, Australia

Data Competition Chair

Wei-Wei Tu, Fourth Paradigm Inc.
Hugo Jair Escalante, INAOE, ChaLearn

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