The 23ʳᵈ IEEE International Conference on Data Mining

https://www.cloud-conf.net/icdm2023/index.html

ICDM-2023

Dec. 1 – Dec. 4
Shanghai, China

Sponsors

December 1 -- 4, 2023

Keynote Lecture: **60 minutes** (about 45 minutes for talk and 15 minutes for Q and A)
Main conference regular paper: **20 minutes** (about 15 minutes for talk and 5 minutes for Q and A) Main
conference short paper: **10 minutes** (about 10 minutes for talk and 5 minutes for Q and A)

All conference activities are based on **Beijing Time (UTC +8).**

Day 1: Friday, December 1, 2023		
Time	**Logistics**	**Locations**
10:00 – 10:30	Coffee Break and Refreshment	TBD
12:00 – 13:00	Lunch	TBD
15:00 – 15:30	Coffee Break and Refreshment	TBD
Time	**Workshops**	**Chairs/Room**
8:00-10:50	Evolutionary Data Mining and Machine Learning (EDMML)	Room 1
11:00-14:00	Workshop on Multi-modal Data Analysis (MDA)	Room 1
8:30-14:00	The 4th International Workshop on Advanced Neural Algorithms and Theories for Recommender Systems (NeuRec)	Room 2
8:00-14:00	International Workshop on Adaptable, Reliable, and Responsible Learning (ARRL)	Room3
14:30-20:00	Incomplete Streaming Data Analysis (ISDA)	Room 2
8:00-14:00	Artificial Intelligence for Time Series Analysis - Theory, Algorithms, and Applications (AI4TS)	Room5
9:00-14:00	Sentiment Elicitation from Natural Text for Information Retrieval and Extraction (SENTIRE)	Room 10
8:00-14:25	Causal and Explainable Artificial Intelligence (CXAI)	Room 4
8:00-14:00	Machine Learning on Graphs (MLoG)	Room 8
14:30-20:00	Data Mining for Service (DMS)	Room 5
8:00-10:30	Data centric AI (DCAI)	Room 6
11:00-14:00	The 1st International Workshop on Artificial Intelligence for Career Science (AICS)	Room 6
14:30-17:00	1st International Workshop on Data Mining for Mental Disorders (DMMD)	Room 1
14:30-17:20	The 1st International Workshop on Trustworthy Knowledge Discovery and Data Mining (TrustKDD)	Room 10
14:30-18:30	Machine Learning for Cybersecurity (MLC)	Online
14:30-17:00	International Workshop on Data Mining in Finance (DMF)	Room 4

17:30-20:00	Deep Learning and Clustering (DLC)	Room 6
14:30-17:00	ICDM 18th International Workshop on Spatial and Spatiotemporal Data Mining (SSTDM)	Room 6
14:30-17:00	International Workshop on Complex Heterogeneous Data Mining (CHDM)	Room 7
14:30-17:00	The Third International Workshop on Artificial Intelligence for Software Engineering and IT Operations (AIOPS)	Room 8
8:00-10:30	International Workshop on Data Mining for User Understanding (DMU2)	Room 9
14:30-17:00	Graph Machine Learning for Recommender Systems (GML4Rec)	Room 3
17:30-20:00	Incremental Classification and Clustering, Concept Drift, Novelty Detection, Active Learning in Big/Fast data Context (IncrLearn)	Room 1
17:30-20:00	Legal Intelligence&Fairness: Algorithmic, Data and Social Challenges (LegalAI)	Room 7
17:30-20:00	Data Mining in Biomedical Informatics and Healthcare (DMBIH)	Online
17:30-20:00	International Workshop on Artificial Intelligence for Science of Science (AI4SciSci)	Room 3
17:30-20:00	International Workshop on Learning with Knowledge Graphs: Opportunities and Challenges with ChatGPT (IWLKG)	Room 4
14:30-20:00	Blockchain Data Analytics (BDA)	Room 9
8:00-10:30	International Workshop on Expert Recommendation for Community Question Answering (XPERT4CQA) + Artificial Intelligence and Big Data in Education (AIBDE)	Room 7
11:00-14:00	Trustworthy Machine Learning towards Security and Privacy Preserving Intelligent IoT Systems (TML-SPPIoT)	Room 7
17:30-20:00	3rd Workshop on Large-scale Industrial Time Series Analysis (LITSA)	Room 8
11:00-12:30	The 2023 Workshop on Optimization Based Techniques for Emerging Data Mining Problems (OEDM)	Room 9
17:30-20:00	IEEE ICDM International Workshop on AI for Nudging and Personalization (WAIN)	Room 10
19:00-21:00	**Steering Committee Meeting with ICDM 2023 & 2024 Main Organizers**	**By invitation only**

Workshops

Data Mining for Service (DMS) **Workshop Chair:** Shusaku Tsumoto, Katsutoshi Yada		
Time (Beijing Time)	**Title**	**Presenter/Author**
14:00-14:05	Opening Remarks	Organizers
14:05-14:35	Speaker Identification based on MFSC voice feature extraction using Transformer	Liao Bao and Yi Zuo
14:35-15:05	Operating Range Estimation for Price Optimization	Shunnosuke Ikeda, Naoki Nishimura, and Shunji Umetani
15:05-16:00	Tea Break	
16:00-16:30	A Feature Set for Neural Texture Video Detection Based on Scenes and Textures	Amit Neil Ramkissoon, Vijayanandh Rajamanickam, and Wayne Goodridge
16:30-17:00	FP-WDDQN: An improved deep reinforcement learning algorithm for adaptive traffic signal control	Xiao Zhang and Xiaolong Xu
17:00-17:30	A lightweight and unsupervised approach for identifying risk events in news articles	Maryam Shahsavari, Omar Khadeer Hussain, Morteza Saberi, and Pankaj Sharma
17:30-18:00	Applying Machine Learning in Personality-based Persuasion Marketing	Andreas Gregoriades and Evripides Christodoulou
18:00-18:30	Temporal Positive Collective Matrix Factorization for Interpretable Trend Analysis in Recommender Systems	Tomofumi Hara, Yuki Sumiya, and Kazuhide Nakata
18:30-19:00	VAM: Value Propensity Score For User Acquisition Marketing Campaign	Sayantan Chattopadhyay, Chandrai Kayal, and Satyen Abrol
19:00	Closing Remarks	Organizers

Incremental Classification and Clustering, Concept Drift, Novelty Detection, Active Learning in Big/Fast data Context (IncrLearn) **Workshop Chair:** Albert BIFET, Pascal CUXAC, Jean-Charles LAMIREL, Manuel ROVERI		
Time (Beijing Time)	**Title**	**Presenter/Author**
17:30-17:35	Opening Remarks	Organizers
17:35-18:05	SSK-DNN: Semantic and Sentiment Knowledge for Incremental Text Sentiment Classification	Jawad Khan, Niaz Ahmad, Chanyeok Choi, Saif Ullah, Gyu Rin Kim, and Youngmoon Lee
18:05-18:35	A fast incremental spectral clustering algorithm with cosine similarity	Ran Li and Guangliang Chen
18:35-19:05	Combining Self-labeling with Selective Sampling	Jedrzej Kozal and Michał Woźniak
19:05-19:35	Fault Detection and Diagnosis of Air Handling Units Based On Adversarial Multi-task Learning	Jingwen Tan, Dan Li, Zibin Zheng, and See-King Ng
19:35-20:00	Defending Network IDS against Adversarial Examples with Continual Learning	Jędrzej Kozal, Justyna Zwolińska, Marek Klonowski, Michał Woźniak
20:00	Closing Remarks	Organizers

Workshop on Multi-modal Data Analysis (MDA) **Workshop Chair:** Xiaojun Chen, Philippe Fournier-Viger, Xiaodan Liang, Yi Jin, Hang Xu		
Time (Beijing Time)	**Title**	**Presenter/Author**

Conference Venue

Hybrid Conference Location

Shanghai World Trade Mall Co., Ltd., 上海世界贸易商城

2299 Yan'an Rd (W), Changning District, Shanghai, China, 200051

地址：上海市延安西路 2299 号

It is adjacent to Renaissance Shanghai Yangtze Hotel and Hongqiao Jin Jiang Hotel (Formerly Sheraton Shanghai Hongqiao Hotel), and is about 10 minutes' drive from Shanghai Hongqiao Airport. 北临扬子江万丽大酒店、喜来登太平洋大酒店，距上海虹桥机场约 10 分钟车程。