Call for Papers

Aims and Scope

The IEEE International Conference on Data Mining (ICDM) has established itself as the world's premier research conference in data mining. It provides an international forum for presentation of original research results, as well as exchange and dissemination of innovative and practical development experiences. The conference covers all aspects of data mining, including algorithms, software, systems, and applications. ICDM draws researchers, application developers, and practitioners from a wide range of data mining related areas such as big data, deep learning, pattern recognition, statistical and machine learning, databases, data warehousing, data visualization, knowledge-based systems, and high-performance computing. By promoting novel, high-quality research findings, and innovative solutions to challenging data mining problems, the conference seeks to advance the state-of-the-art in data mining.

Topics of interest

Topics of interest include, but are not limited to:
- Foundations, algorithms, models and theory of data mining, including big data mining.
- Deep learning and statistical methods for data mining.
- Mining from heterogeneous data sources, including text, semi-structured, spatio-temporal, streaming, graph, web, and multimedia data.
- Data mining systems and platforms, and their efficiency, scalability, security and privacy.
- Data mining for modelling, visualization, personalization, and recommendation.
- Data mining for cyber-physical systems and complex, time-evolving networks.
- Applications of data mining in social sciences, physical sciences, engineering, life sciences, web, marketing, finance, precision medicine, health informatics, and other domains.

We particularly encourage submissions in emerging topics of high importance such as ethical data analytics, automated data analytics, data-driven reasoning, interpretable modeling, modeling with evolving environment, cyber-physical systems, multi-modality data mining, and heterogeneous data integration and mining.

Submission Guidelines

Authors are invited to submit original papers, which have not been published elsewhere and which are not currently under consideration for another journal, conference or workshop. Paper submissions should be limited to a maximum of ten (10) pages, in the IEEE 2-column format (https://www.ieee.org/conferences/publishing/templates.html), including the bibliography and any possible appendices. Submissions longer than 10 pages will be rejected without review. All submissions will be triple-blind reviewed by the Program Committee based on technical quality, relevance to scope of the conference, originality, significance, and clarity. The following sections give further information for authors.

Important Dates

All deadlines are at 11:59PM Pacific Daylight Time.
- Full paper submissions: 10 June 2022
- Notifications: 31 August 2022
- Camera-ready copy submissions: 1 October 2022
- Conference starts: 1 December 2022

Contact

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