

Special Session on
Advanced Data Mining Techniques and Applications (ADMTA)
in conjunction with
International Conference on Intelligent Systems Design and Applications (ISDA)
December 11-13, 2023

Website: <http://www.mirlabs.org/isda23>

Hybrid Mode – Online & Offline

Onsite Venues: <http://mirlabs.org/isda23/venue2.php>

Objectives and Scope

Over the past few years, research and development in data mining has made great progress. Many successful applications have been reported in journals and conferences. In general, data mining systems typically help businesses to expose previously unknown patterns in their databases. It has now been recognized that mining for information and knowledge from large databases and documents will be the next revolution in database systems. It is considered very important to major cost savings and potential revenue increase with immediate applications in business, decision systems, information management, communication, scientific research and technology development. Advanced data mining techniques have recently been developed rapidly. More and more sophisticated techniques, such as variants of association rules and sequent patterns, fuzzy data mining, genetic algorithms applied to data mining, utility mining etc. have been proposed and many of them have already been deployed in many real-world applications. The major goal of this special session is to bring together the researchers in the data mining field to illustrate its pressing actual needs, demonstrate challenging research issues, and exchange the state-of-the-art research and development.

Subtopics

The topics include, but are not limited to:

- Association Rules,
- Classification Systems,
- Clustering,
- Utility Mining,
- Stream Mining,
- Temporal Mining,
- Spatial Mining,
- Features Selection for Data Mining,
- Rough Set Applied to Data Mining,
- Fuzzy Set Applied to Data Mining,
- Genetic Algorithms Applied to Data Mining,
- Neural Network Applied to Data Mining,
- Applications of Data Mining,
- Other New Approaches to Data Mining.

Paper publications

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (<https://www.springer.com/series/15179>)
- Indexed by SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago
- Papers maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at: <https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324>
- Submission Link: <https://cmt3.research.microsoft.com/ISDA2023>

Important Dates

Paper submission due: **September 30, 2023**

Notification of paper acceptance: **October 31, 2023**

Registration and Final manuscript due: **November 10, 2023**

Conference Date: **December 13-15, 2023**

Special Session Chairs

- **Dr. Chun-Hao Chen**, National Taipei University of Technology, Taiwan
- **Dr. Bay Vo**, Ho Chi Minh City University of Technology, Vietnam
- **Dr. Tzung-Pei Hong**, National University of Kaohsiung, Taiwan

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