



ADMMLT 2017

Special Session on Advanced Data Mining and Machine Learning Techniques

at the 2017 IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA 2017) Gdynia, Poland, July 3-5, 2017. Conference website: <http://inista.org/>

Special Session Organizer

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Objectives and topics

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 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. Since data mining is still a relatively new research field, a great deal of research and applications are still in progress.

In recent years, advanced data mining techniques have been developed rapidly. More and more sophisticated techniques, such as association rules, 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.

The scope of the ADMMLT 2017 includes, but is not limited to the following topics:

- Classification Systems
- Association Rules
- Clustering
- Utility Mining
- Stream Mining
- Temporal Mining
- Spatial Mining
- Features Selection for Data Mining and Machine Learning
- Rough Set Applied to Data Mining and Machine Learning
- Fuzzy Set Applied to Data Mining and Machine Learning
- Genetic Algorithms Applied to Data Mining and Machine Learning
- Neural Network Applied to Data Mining and Machine Learning
- Applications of Data Mining and Machine Learning
- Soft Set Applied to Data Mining and Machine Learning

Important dates

Submission of papers: **1 March 2017**; Notification of acceptance: **15 April 2017**; Camera-ready papers: **30 April 2017**; Registration & payment: **15 May 2017**; Conference dates: **3-5 July 2017**

Program Committee (to be confirmed)

Submission

All contributions should be original and not published elsewhere or intended to be published during the review period. Authors are invited to submit their papers electronically in pdf format, through EasyChair. All the special sessions are centralized as tracks in the same conference management system as the regular papers. To submit a paper please activate the following link and select the track ADMMLT 2017: <https://easychair.org/conferences/?conf=inista2017>

Paper format: Papers must be prepared using [IEEE templates for conference proceedings](#).

Page limit: The maximum page limit is 6 inclusive of figures and tables. INISTA will offer the option to buy a limited number of extra pages for submission.

Language: The official language for the conference is English. Less than satisfactory English usage may form the sole basis for rejection of a paper and omission of any such final paper version from the conference proceedings. Authors whose native language is not English are encouraged to check their papers for proper English spelling and grammar using tools such as English grammar checkers available with most word processing application software. Alternatively, proofreading support from a native English-speaking colleague or technical editor

may suffice. Some authors may be interested in the paid service available at the following link:
<http://www.prof-editing.com/ieee/> for the final version of the paper.