



RSDD2017: Special Session on Rough Sets in Dynamics of Data: Models and Applications

at the 2017 IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA 2017)
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Conference website: <http://inista.org/>

Special Session Organizers

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Objectives and topics

Rough set theory (RST) has been applied successfully to data analysis and data mining. For example, it has been applied to bioinformatics, economics and finance, medicine, multimedia, web and text mining, signal and image processing, software engineering, robotics, power systems and control engineering. However, the structures and the dynamics of the rough sets are still worth exploring. These research results will be greatly contributed to the applications of rough set theory. How to model and simulate data analysis and data mining by the roughy set theory is the main focus of this special session. The scope of the methodologies and ideas may include mathematical foundations of RST such as the point-set topology and dynamical systems, etc. As for the models and applications based on RST, we also look forward to include research related to data analysis and data mining, classifications, reasoning, machine learning, decision supports and uncertainty. The scope of the RSDD2017 includes, but is not limited to the following topics:

- Rough sets and dynamical systems
- Big data and rough sets
- Mathematical foundations of rough sets
- Classifications based on rough sets
- Fuzzy sets and rough sets
- Dynamics of rough sets
- Foundations and Methodologies of Rough Approximation
- Rough set-based machine learning
- Rough sets with decision support systems
- Rough sets with data analysis and data mining
- Mathematical uncertainty based on rough sets
- Extensions from rough set theory

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 date: **3-5 July 2017**

Program Committee (to be invited)

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. Therefore, to submit a paper please activate the following link and select the track: **RSDD2017: Special Session on Rough Sets in Dynamics of Data: Models and Applications** : <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 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