



2017 IEEE International Conference on Innovations
in Intelligent SysTems and Applications

3-5 July 2017, Gdynia, Poland



IOD 2017 (IOD2017)

Special Session on Innovative outlier detection

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 Organizers

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Objectives and topics

The Innovative outlier detection - Special Session at the 2017 IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA 2017) is dedicated to broadly understood issues of outlier detection in large data sets, including Big Data. Detection of outliers is the basis for decision-making processes, classification, grouping and methods of intelligence. The problem of anomaly detection encompasses a wide spectrum of applied methods. IOD session is therefore an opportunity to identify new research directions and presentation of original research results. It is also an opportunity for exchanging and diffusing innovative and practical experience in this field.

The scope of IOD 2017 includes, but is not limited to the following issues:

- Probabilistic and statistical models for outlier detection
- Grade correspondence analysis for outlier detection
- Outlier detection based on distance, density, depth, deviation e.g
- Evolutionary Algorithms for Outlier Detection
- Outlier Detection in Categorical, Text, Mixed Attribute Data, and Stream Data
- Outlier analysis in graphs, networks
- Outlier detection in big data
- Application of outlier analysis

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

Z. Banaszak (Koszalin University of Technology)
M. Burgin (University of California, Los Angeles, USA)
M. Last (Ben-Gurion University of the Negev, Izrael)
G. Nalepa (AGH University of Science and Technology)
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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:

IOD 2017: Special Session on Innovative outlier detection:

<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