MLCN 2017

Machine Learning for Computer Networks

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

Novel machine learning techniques such as convolutional neural networks or deep learning allow to tackle real-world problems. At the same time local computer networks and the Internet face threats unseen before. With emerging machine learning paradigms we can detect and counteract them. We can also approach identifying software defects and hardware faults in networks as well as seasonality of the traffic. The Session will provide an opportunity for researchers working with machine learning to showcase their developments in the field computer network traffic analysis and will be a forum to bring these two areas of research together and elicit fruitful discussions.

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

- anomaly detection,
- intrusion detection,
- traffic classification,
- web services security,
- software defects and hardware faults in networks,
- traffic prediction (seasonality),
- user profiling,
- traffic log analysis,
- securing the Internet of Things.

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: *MLCN 2017: Special Session on Ensemble Approach to Machine Learning:* **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