The 18th International Conference on Intelligent Data Engineering and Automated Learning
(IDEAL'2017)   30 Oct-1 Nov 2017, Guilin, Guangxi, China

The *International Conference on Intelligent Data Engineering and Automated Learning* (**IDEAL**) is a well-established annual international conference dedicated to emerging and challenging topics in intelligent data analysis, data mining and their associated learning systems and paradigms. IDEAL2017 is hosted by CAAI and Guilin University of Electronic Technology in Guangxi province in China. Its core themes include: the Big Data challenges, Machine/Deep Learning, Data Mining, Information Retrieval and Management, Bio- and Neuro-Informatics, Bio-Inspired Models (including Neural Networks, Evolutionary Computation and Swarm Intelligence), Agents and Hybrid Intelligent Systems, and Real-world Applications of Intelligent Techniques. Other related and emerging themes and topics are also welcome.

The conference provides a unique opportunity and stimulating forum for presenting and discussing the latest theoretical advances and real-world applications in Computational Intelligence and Intelligent Data Analysis. Authors and researchers are warmly invited to submit their latest findings and research work to the conference.

Authors are invited to submit their manuscripts (in pdf format initially) written in English by the deadline via the conference online submission system (available from the IDEAL 2017website). All submissions will be refereed by experts in the field based on originality, significance, quality and clarity. All contributions must be original, should not have been published elsewhere and must not be submitted elsewhere during the review period. Papers should be within 8 pages but must not exceed 10 pages, and must comply with the format of Springer LNCS/LNAI Proceedings. (see www.springer.com/lncs)

Accepted papers presented at the conference will be included in the Proceedings of IDEAL 2017, to be published by Springer in its prestigious LNCS series, which is indexed in EI. In addition, selected papers will be invited for special issues in several leading international journals in the field, including the International Journal of Neural Systems (IJNS), Journal of Data Science and Analytics, etc.

In addition to the regular sessions, there will be Special Sessions/Workshops devoted to emerging topics and areas with growing attention. Researchers and prospective organizers are invited to submit a one-page proposal for a special session to the special session chair Antonio Tallón (atallon@us.es) by April 30, 2017. Each proposal should include the following information:

- Title of the special session.
- Organizers with their affiliations.
- Description of why the topic is of special interest and how it fits to the scope of IDEAL.

Each special session preferably consists of four or more presentations. Special sessions receiving less than 4 papers will be merged into a suitable regular session.

Workshops will focus on new and emerging topics. In contrast to special sessions, workshops should include an introductory talk or tutorial on the topic and will have final discussions at the end of the workshop. Apart from the introductory talk in the discussion, Workshops should preferably include six or more additional presentations. Researchers or prospective organizers are invited to submit a one-page proposal for workshops to the special session chair Antonio Tallón (atallon@us.es) by April 30, 2017. In addition to the information required for special sessions, workshop proposal should also include the following:

- Name(s) of the presenter(s) of the introductory talk.
- Theme for the discussion.

Important dates

Submission Deadline	20 May 2017
Special Session/Workshop Proposals Deadline	30 April 2017
Notification of Acceptance	1 July 2017
Camera-Ready Files Due	15 July 2017
Early Registration	15 July 2017
Conference Presentation	30 Oct-1 Nov 2017

Conference Website
http://ideal2017.guet.edu.cn

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