

CIDMCP 2016

Special Session on Computational Intelligence in Data Mining for Complex Problems

at the 8th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2016)

Da Nang, Vietnam, March 14-16, 2016

Conference website: <http://www.aciids.pwr.edu.pl/>

Special Session Organizers

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Objectives and topics

The Data Mining domain has been widely investigated these last decades. Several significant theoretical developments and empirical tools have been established. On the other hand, the field of computational intelligence is in an increasing growing. An important number of paradigms such as swarm intelligence and multi-agents technology have emerged with the aim to tackle complex issues. Exploring intelligent methods for data mining could bring enhancements for research not only on the basis of solutions effectiveness and efficiency but also for scalability, which is a real big challenge. The CIDMCP 2016 Special Session at the 8th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2016) deals with the use of intelligent approaches such as meta-heuristics, evolutionary approaches and multi-agent systems aiming at addressing one of the large spectrum of data mining tasks and pretreatments. CIDMCP 2016 is seeking research papers on recent advances, but is not limited to the following topics:

- Heuristics methods for data mining tasks
- Heuristic methods for data preparation
- Meta-heuristics, evolutionary approaches, bio-inspired computing for supervised classification and prediction
- Meta-heuristics, evolutionary approaches, bio-inspired computing for clustering
- Meta-heuristics, evolutionary approaches, bio-inspired computing for association rules mining
- Multi-agents systems for supervised classification and prediction
- Multi-agents systems for clustering
- Multi-agents systems for association rules mining
- Intelligent approaches for data cleaning and preparation
- Dealing with Big Data and scalability
- Swarm intelligence for mining data streams
- Multi-agents systems for mining data streams
- Intelligent methods for Information retrieval
- Intelligent methods for text mining, graph mining, web mining ...
- Applications to medicine, web, transportation, satisfiability ...

Important dates

Submission of papers: **15 October 2015**
Notification of acceptance: **15 November 2015**
Camera-ready papers: **1 December 2015**
Registration & payment: **1 December 2015**
Conference date: **14-16 March 2016**

Program Committee (to be invited)

Sid Ahmed Benraouane	University of Minnesota, USA
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Farouk Yalaoui	Troyes University of Technology, France
Ning Zhong	Maebashi Institute of Technology, Japan

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: ***CIDMCP 2016: Special Session on Computational Intelligence in Data Mining for Complex Problems.***

<https://www.easychair.org/conferences/?conf=aciids2016>

Authors are invited to submit original previously unpublished research papers written in English, of up to 10 pages, strictly following the LNCS/LNAI format guidelines. Authors can download the Latex (recommended) or Word templates available at [Springer's web site](#). Submissions not following the format guidelines will be rejected without review. To ensure high quality, all papers will be thoroughly reviewed by the CIDMCP 2016 Program Committee. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee. The conference proceedings will be published by Springer in the prestigious series LNCS/LNAI (indexed by ISI CPCI-S, included in ISI Web of Science, EI, ACM Digital Library, dblp, Google Scholar, Scopus, etc.).