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

Prof. Habiba Drias
Laboratory of Research in Artificial Intelligence
Department of Computer Science
University of Science and Technology USTHB Algiers, Algeria
E-mail: hdrias@usthb.dz

Prof. Gabriella Pasi
Laboratory on Information Retrieval
Department of Informatics, Systems and Communication
University of Milano Bicocca, Italy
E-mail: pasi@disco.unimib.it

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
Maria Gini University of Minnesota, USA
Imed Kacem University of Lorraine, France
Nadjet Kamel University of Sétif, Algeria
Mehmed M Kantardzic University of Louisville, USA
Saroj Kaushik Indian Institute of Technology Delhi, India
Samir Kechid USTHB, Algeria
In-Young Ko KAIST, Korea
Qin Lv University of Colorado at Boulder, USA
Ana Maria Madureira Polytechnic of Porto, Portugal
Brahim Medjahed University of Michigan, USA
Madjid Merabti Liverpool John Moores University, UK
Erich J Neuhold Wien University, Austria
Mourad Oussalah Nantes University, France
Myeong Cheol Park KAIST, Korea
Nelishia Pillay University of KwaZulu-Natal, South Africa
Kalai Anand Ratnam APUTI, Malaysia
Jae Jeung Rho KAIST, Korea
Houari Sahraoui University of Montreal, Canada
Lakhdar Sais University of Artois, France
Thouraya Tebibel ESI, Algeria
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=acids2016

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.).