



10th International Conference on Computational Collective Intelligence **ICCCI 2018**

5-7 September 2018, Bristol, UK



Wroclaw University
of Science and Technology

CDS 2018

Special Session on Complex Decision Systems

at the 10th International Conference on Computational Collective Intelligence (ICCCI 2018)

Bristol, UK, September 5-7, 2018

Conference website: <http://www.iccci2018.org>

Special Session Organizers

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Objectives and topics

The goal of the CDS 2018 special session is to create a forum for exchange of experiences in machine learning and similar domains. This forum focuses on various machine learning approaches which can be applied in complex decision support systems. The complexity follows from the size of the data (big data) as well as from its type. Certain dependencies that are important in the decision-making process can occur in the available knowledge. These dependencies may result from various reasons: the time in which the knowledge was collected; sensors that provided knowledge; dependencies between attributes included in the knowledge base; or many others. Moreover, knowledge that is available in the decision-making process may be dispersed or distributed. All these situations require dedicated solutions. We believe this session will be an important event, bringing together scientists and practitioners from all over the world what allows to better understanding changes and challenges in machine learning.

Potential topics include:

- Artificial intelligence
- Decision support systems
- Inference processes
- Clustering
- Rough set theory
- Managing big knowledge bases
- Decision rules induction algorithms
- Distributed or dispersed knowledge
- Conflict analysis and negotiations

Any other topics related to the main track of the CDS 2018 special session can be also submitted.

Important dates

Submission of papers: **March 1, 2018**
Notification of acceptance: **April 1, 2018**
Camera-ready papers: **April 15, 2018**
Registration & payment: **June 1, 2018**
Conference date: **September 5-7, 2018**

Program Committee (to be invited)

Alicja Wakulicz-Deja, University of Silesia, Katowice, Poland
Grzegorz Baron, Silesian University of Technology, Gliwice, Poland
Rafał Deja, Academy of Business in Dabrowa Gornicza, Department of Computer Science, Poland
Michał Dramiński, Institute of Computer Science, Polish Academy of Sciences, Warsaw, Poland
Agnieszka Duraj, Lodz University of Technology, Poland
Katarzyna Hareźlak, Silesian University of Technology, Gliwice, Poland
Michał Kozielski, Silesian University of Technology, Gliwice, Poland
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Roman Simiński, University of Silesia, Katowice, Poland
Urszula Stańczyk, Silesian University of Technology, Gliwice, Poland
Beata Zielosko, University of Silesia, Katowice, Poland
Tomasz Xięski, University of Silesia, Katowice, Poland

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: **CDS 2018: Special Session on Complex Decision Systems**.

<https://www.easychair.org/conferences/?conf=iccci2018>

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 **CDS 2018 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.).