

ISOLIA 2018

Special Session on Intelligent Systems for Optimization of Logistics and Industrial Applications

at the 10th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2018)

Dong Hoi City, Vietnam, March 19-21, 2018

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

Special Session Organizers

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Objectives and topics

With the emergence of the new manufacturing revolution, often called Industry 4.0, new manufacturing configurations, enhanced with advanced robotics and data acquisition, are being used. Companies and factories, faced with increasing competitiveness, are working on the development of new algorithms and systems to cope with the increasing use of autonomous machines, the demand load and environmental constraints. Moreover, they consistently deal with a dynamic and agile environment, characterized by a considerable amount of data, a changing manufacturing process and uncertain inputs. The ISOLIA 2018 Special Session at the 10th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2018) is devoted to the intelligent systems dedicated to address the optimization of logistics and production systems with industrial applications. We want to offer an opportunity for researchers and practitioners to identify new promising research directions as well as to publish recent advances in this area. The scope of the ISOLIA 2018 includes, but is not limited to the following topics:

- Simulation and multi-agent systems for performance evaluation
- New algorithms for scheduling problems
- Exact algorithms (Brand and Bounds, Dynamic programming ...)
- Intelligent manufacturing systems
- Novel techniques for the design of assembly/disassembly systems
- Advanced evolutionary algorithms for effective manufacturing
- Facility planning
- Robust optimization for scheduling and production planning
- Heuristic and meta-heuristic approaches for reverse logistics
- Energy optimization in manufacturing and planning
- Intelligent approaches for warehouse management
- Stochastic modeling of manufacturing systems
- Multi-criteria decision making for operations and logistics
- Green manufacturing

Important dates

Submission of papers: **31 October 2017 (Extended - HARD DEADLINE)**

Notification of acceptance: **1 December 2017**

Camera-ready papers: **15 December 2017**

Registration & payment: **15 December 2017**

Conference date: **19-21 March 2018**

Program Committee (to be invited)

Zaki Sari, Abou Bakr Belkaid University of Tlemcen, Algeria
Hicham Chehade, University of Technology of Troyes, France
Yassine Ouazene, University of Technology of Troyes, France
Habiba Drias, University of Science and Technology (USTHB), Algeria
Lionel Amodeo, University of Technology of Troyes, France
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Daoud Ait-Kadi, University of Laval, Canada
Dmitry Ivanov, Hochschule für Wirtschaft und Recht Berlin, Germany
Lyes Benyoucef, Aix-Marseille University, France
Nidhal Rezg, University of Lorraine, France

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: ***ISOLIA 2018: Special Session on Intelligent Systems for Optimization of Logistics and Industrial Applications.***

<https://easychair.org/conferences/?conf=aciids2018>

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 ISOLIA 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.).