MLLSCP 2022

Special Session on Machine Learning in Large-Scale and Complex Problems

at the 14th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2022)
Almaty, Kazakhstan, June 6-9, 2022
Conference website: http://www.aciids.pwr.edu.pl/

Special Session Organizers

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Objectives and topics

The usability of machine learning-related methods among subjects like medicine, finance, artificial intelligence, text mining, image analysis is apparent. However, nowadays, we face problems in which the number of objects, attributes, and constraints is enormous. The machine learning algorithms often fail to derive satisfactory solutions. Thus there is a need for further improvements. Introducing new concepts, like Big data or stream data, and the Internet of Things forces users to extend existing solutions further.

The MLLSCP 202021 Special Session at the 14th Asian Conference on Intelligent Information and Database Systems is devoted to various methods related to the field of machine learning methods. We are particularly interested in papers extending existing algorithms and presenting these methods to real-world problems. In addition, various hybrid approaches focused on classification and regression are also welcomed. The scope of the session includes, but is not limited to the following subjects:

- Swarm and Evolutionary algorithms and their applications;
- Multicriteria optimization for large scale problems;
- Decision Support systems;
- Data classification and data clustering;
- Decision trees and ensemble methods;
- Stream data analysis;
- Big Data representation;
- Association rule mining;
- Pattern recognition;
- Artificial neural networks and deep learning;
- Contributions from similar subjects e.g. Computational Learning Models, Evolutionary Techniques, Multi-Agent Systems.

Important dates

Submission of papers: **January 15, 2022 (EXTENDED - HARD)**
Notification of acceptance: **March 1, 2022**
Camera-ready papers: **March 15, 2022**
Registration & payment: **March 15, 2022**
Conference dates: **June 6-9, 2022**

Program Committee (to be invited)

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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: ***MLLSCP 2022: Special Session on on Machine Learning in Large-Scale and Complex Problems.***

https://easychair.org/conferences/?conf=aciids2022

Authors are invited to submit original previously unpublished research papers written in English, of up to 13 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 ***MLLSCP*** 2022 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.).