



FIRST CALL OF PAPERS

7th International Symposium on Modelling and Implementation of Complex Systems

Mostaganem, Algeria, October 30-31, 2022

After the success of the previous editions of MISC symposium (MISC'2010, MISC'2012, MISC2014, MISC2016, MISC2018 and MISC2020), the MISC laboratory at University of Constantine 2- Abdelhamid Mehri organizes the seventh edition of this symposium (MISC'2022) from 30 to 31 October 2022 in the University of Mostaganem – Abdelhamid Ibn Badis, Algeria. It is a growing university in western Algeria located around important touristic sites. This symposium is intended as a tradition of offering open forum and meeting space for researchers working in the field of complex systems science. Participants are invited to develop new ideas on the three proposed tracks: "Design and implementation of IoT systems and Cloud Computing", "Artificial intelligence and its applications" and "Data science and its applications".

INSTRUCTIONS FOR AUTHORS

Authors are invited to submit a full paper by May 31, 2022. Papers must be in English. Paper submissions should be 15 pages maximum in Springer LNCS Format (including Text, figures, references and appendices). LNCS templates for Latex and MS Word and formatting instructions can be found on:

<http://www.springer.com/computer/lncs/lncs+authors?SGWID=0-40209-0-0-0>.

All accepted papers will be published in Springer proceedings books series LNNS (Lecture Notes in Networks and Systems).

Papers will be accepted ONLY BY ELECTRONIC SUBMISSION in PDF format. Submission will be done via EasyChair.

IMPORTANT DATES

- Paper submission Deadline: May 31, 2022
- Notification of acceptance: June 25, 2022
- Camera ready: July 5, 2022
- Symposium Days: October 30-31, 2022

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- University of Constantine 2 – Abdelhamid Mehri
- University of Mostaganem – Abdelhamid Ibn Badis
- MISC Laboratory, University of Constantine 2 – Abdelhamid Mehri
- CSTL Lab, University of Mostaganem – Abdelhamid Ibn Badis
- Center for Development of Advanced Technologies - CDTA, Algiers

SYMPOSIUM TRACKS

Track 1: Design and implementation of IoT systems and cloud computing

- Context-sensitive ambient systems
- Internet of Things architectures for smart environments
- Communication and cooperation protocols in IoT systems
- Fog and edge computing
- Methods for the design and verification of complex systems

Track 2: Artificial intelligence and its applications

- Learning and machine learning
- Optimization and complex problem solving
- Decision-making
- Computer vision and augmented reality
- Parallelism processing and distributed systems
- AI applications and tools

Track 3: Data science and its applications

- Data mining and extraction
- Data repositories and Big Data
- Image processing and synthesis
- Complex problem solving in GIS
- Spatial knowledge bases and advanced information systems
- Validation of complex systems

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