Second CALL FOR PAPERS

IoT-AI
WORKSHOP 2019
ON INTERNET OF THINGS
AND ARTIFICIAL INTELLIGENCE

Santa Maria Key, Villa Clara, Cuba
June 28 – 30, 2019

Organized by: Universidad Central de Las Villas, Cuba (http://www.uclv.edu.cu)

Aim and Scope: This workshop is part of the II International Conference on Information Processing "CIPI 2019, acronym in Spanish". The IoT-AI2019 workshop includes key lectures, tutorial courses, discussion panels and the presentation of original papers. The IoT is a very popular term nowadays. This includes very complex and unstructured problems and allows gathering a huge quantity of data; for this reason, Artificial Intelligence and Data Science are required to develop IoT-aware systems. A major goal behind IoT is to make the environment around us smarter by giving it the information it needs, through real-time and historical data feeds, and apply Computational Intelligence techniques to make smart decisions automatically. Complex information systems represent the term to sum up the fusion between Cloud, IoT, Big Data, Artificial Intelligence and Machine Learning together.

Submission Topics: Submissions of original and previously unpublished work on intelligent systems and data sciences techniques used in the context of Internet of thing (IoT); and applications are encouraged, including but not limited to the following topics:

- Computational models of IoT.
- Smart data.
- Intelligent functionality of IoT devices.
- Mining patterns in IoT.
- Modeling and optimization of Big Data.
- IoT-based big data analytics and Deep learning.
- Wireless sensor networks.
- IoT-based health prescription.
- Security of IoT complex and challenging.
- Applications on Agriculture of precision, Energy, Smart cities, Sport training, etc.
- Industry 4.0.
- Ethic aspects of IoT.
- Artificial Intelligence for Digital Twin

Conference Proceedings: All accepted papers will be included in the conference proceedings and will be made available to the conference attendees. The proceedings will have an ISBN and will be produced by UCLV's publishing house. After the conference, selected papers will be invited to prepare extended versions to be published at Springer's Lecture Notes in Networks and Systems (LNNS) series as a post-proceeding. At least one of the authors must complete the conference registration by the early registration deadline;

otherwise, the paper will not be included in the conference program or proceedings.

Important Dates

Paper submission deadline: **January 23th, 2019.**

Acceptance notification: **February 23th, 2019.**

Camera-ready version: **March 23th, 2019.**

Submission guidelines

Paper submission will be available from December 1st, 2018 via EasyChair. Please use this link to submit your paper: https://easychair.org/conferences/?conf=iotai2019

Papers must be written in English and submitted in PDF format. Authors must adhere to the guidelines for authors of the Convention using either Microsoft Word or LaTeX templates. The papers must have a maximum of nine (9) pages. All submissions will be reviewed by at least three (3) Technical Program Committee members. Submissions must be identified as either research or application papers and will be reviewed using appropriate criteria. Review criteria for research papers will include scientific significance, originality, technical quality, and clarity. Review criteria for application papers will include practical or economic significance, adoption potential, technical quality, and clarity.

Official Language: English.

Steering Committee

1. Rafael Bello, Universidad Central de Las Villas, Cuba
2. Jose Rolim, University of Geneva, Switzerland
3. Rafael Falcon, Shopify Inc./ University of Ottawa, Canada
4. Nathalie Mitton, Inria Lille, France
5. Enrico Natalizio, Université de Technologie de Compiègne, France
6. Chyon Hae Kim, Iwate University, Japan
7. Francisco Herrera Triguero, Universidad de Granada, Spain
8. Ann Nowe, Vrije Universiteit Brussel (VUB), Belgium
9. Kris Steenhaut, Vrije Universiteit Brussel (VUB), Belgium
10. José Luis Verdegay, Universidad de Granada, Spain
11. Luis Diago, Interlocus Inc. & Meiji University, Japan

Confirmed Keynote Speakers
1. Jose Rolim, University of Geneva, Switzerland
2. Mérouane Debbah, Director R&D, Huawei France
3. Francisco Herrera Triguero, Universidad de Granada, Spain

Email and contact person:

Lázaro Pérez Lugo, iotai@uclv.cu