



IOTCTCI 2021

Special Session on Internet of Things and Computational Technologies for Collective Intelligence

at the 13th International Conference on Computational Collective Intelligence (ICCCI 2021)

Rhodes, Greece, 29 September – 1 October 2021

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

Special Session Organizers

Prof. Octavian Postolache

Instituto de Telecomunicações IT-IUL
ISCTE-University Institute of Lisbon, Lisbon, Portugal
E-mail: octavian.postolache@gmail.com

Prof. Madina Mansurova

Department of Artificial intelligence and Big Data
al-Farabi Kazakh National University, Almaty, Kazakhstan
E-mail: mansurova.madina@gmail.com

Objectives and topics

IoT technologies are now fundamentally changing the world, and these changes concern not only high-tech industries or infrastructure, but also everyday life. IoT is developing in the agricultural sector, transportation, Smart City, where there is a need for remote monitoring of the state of objects or collection of big data for subsequent analysis. The capabilities of the IoT and computational technologies help optimize costs in healthcare and the organization of online medical services. The IOTCTCI 2021 Special Session at the 13th International Conference on Computational Collective Intelligence (ICCCI 2021) is devoted to the implementation of IoT and computational technologies in urban infrastructure. 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 IOTCTCI 2021 includes, but is not limited to the following topics:

- Smart City: towards user-controlled technology
- Smart City: Digital ecosystem
- Smart City: Digital solutions for a cleaner environment
- IoT Applications for Small Smart Cities
- LoRa for Smart City
- IoT and Data Analytics
- IoT in Healthcare: Applications, Benefits and Challenges
- IoT for a better life: smart living and eHealth
- Machine learning for smart Health
- Smart Farming: Agriculture Transformation
- Machine learning for Smart Farming
- IoT Standardization: Perspectives and Challenges
- Network technologies and protocols for IoT
- IoT in Control Applications
- IoT for Intelligent Transportation Systems
- IoT Transportation Ecosystem: Perspectives, Applications and Challenges
- Smart Route: Route Planner and Route Optimization

Important dates

Submission of papers: **15 May 2021 (Hard deadline)**
Notification of acceptance: **15 June 2021**
Camera-ready papers: **30 June 2021**
Registration & payment: **30 June 2021**
Conference date: **29 September – 1 October 2021**

Program Committee (to be invited)

Octavian Postolache, Instituto de Telecomunicações IT-IUL, Portugal
Vitor Viegas, Portuguese Naval Academy, Portugal
Wolfram Hardt, Chemnitz University of Technology, Germany
Uyanga Sambuu, National University of Mongolia, Mongolia
Yadmaa Narantsetseg, Mongolian University of Science and Technology, Mongolia
Madina Mansurova, Al-Farabi Kazakh National University, Kazakhstan
Olga Dolinina, Yuri Gagarin State Technical University of Saratov, Russia
Vadim Zhmud, Novosibirsk State Technical University, Russia
Nadezhda Kunicina, Riga Technical University, Latvia
Jelena Caiko, Riga Technical University, Latvia
Mikhail Grif, Novosibirsk State Technical University, Russia
Baurzhan Belgibayev, Al-Farabi Kazakh National University, Kazakhstan
Sholpan Jomartova, Al-Farabi Kazakh National University, Kazakhstan
Assel Akzhalova, Kazakh-British Technical University, Kazakhstan
Aliya Nugumanova, S. Amanzholov East Kazakhstan State University, Kazakhstan

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: ***IOTCTCI 2021: Special Session on Internet of Things and Computational Technologies for Collective Intelligence.***

<https://easychair.org/conferences/?conf=iccci20210>

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 IOTCTCI 2021 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.).