



## 12<sup>th</sup> International Conference on Computational Collective Intelligence ICCCI 2020

30 November – 3 December 2020, Da Nang, Vietnam



## DDISS 2020

### Special Session on Data Driven IoT for Smart Society

at the 12th International Conference on Computational Collective Intelligence (ICCCI 2020)

Da Nang, Vietnam, 30 November – 3 December 2020

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

### Special Session Organizers

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### Objectives and topics

IoT has evolved in cross disciplinary domains over the last five years impacting society wellbeing. Rapid development of wearable computing interfaced with cloud computing allows the raw data integration from variety of sources and data fusion in order to enrich data visualization and control using different IoT platforms. Data models have been introduced in different domains in order to optimize the solutions based on domain attributes. At the same time, hybrid learning algorithms developed during past decade give the advantage on decision making using data driven IoT. Today, data driven IoT leads to development of cyber physical systems to address hard/soft real time development for making the society smart. The DDISS 2020 Special Session at the 12<sup>th</sup> International Conference on Computational Collective Intelligence (ICCCI 2020) is devoted to wearable computing for data driven IoT, different data models for IoT, different machine/deep learning techniques used for data driven IoT and their applications in different domains in the society for wellbeing of people and safer environment. 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 DDISS 2020 includes, but is not limited to the following topics:

- Reviews of data driven IoT for smart society application domains
- Novel data models used for data driven IoT
- Wearable computing for data driven IoT
- Cloud computing for data storage, processing, visualization and control
- Machine/deep learning techniques for data driven IoT
- Trust, safety, accuracy, interoperability, and reliability issues
- Knowledge engineering for data driven IoT
- Hybrid learning methods for prediction, classification and optimization of data driven IoT applications
- Case-based learning for decision making and visualization using IoT
- Data visualization and control using data driven IoT
- Cyber physical systems for smart society

## Important dates

Due to the COVID-19 pandemic the conference date was postponed to 30 November - 3 December 2020  
The second round of submitting and reviewing is organized:

Submission of papers: **June 1, 2020 (Hard deadline)**  
Notification of acceptance: **July 1, 2020**  
Camera-ready papers: **July 15, 2020**  
Registration & payment: **July 15, 2020**  
Conference date: **Nov. 30 - Dec. 3, 2020**

## Program Committee

Minoru Sasaki, Gifu University, Japan  
Michael Yu Wang, Hong Kong University, Hong Kong  
William C. Rose, University of Delaware, USA  
Le Hoang Son, Vietnam National University, Vietnam  
Darwin Gouwanda, Monash University, Malaysia  
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Amr Elchouemi, Forbes School of Business and Technology, USA  
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Sabih Rehman, Charles Sturt University, Australia  
Nectar Costadopoulos, Charles Sturt University, Australia  
K.S. Senthilkumar, St. George's University, Grenada  
Yuexian Zou, Peking University, China

## 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: **DDISS 2020: Special Session on Data Driven IoT for Smart Society**.

<https://easychair.org/conferences/?conf=iccci20200>

Authors are invited to submit original previously unpublished research papers written in English, of up to 12 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 DDISS 2020 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.).

## COVID-19 pandemic issues

The ICCCI 2020 organizing committee decided to firmly organize the conference on the scheduled date from November 30 to December 3, 2020 on-site in Da Nang.

If, due to the COVID-19 pandemic, any of the authors will not be able to come to Vietnam, the organizing committee will provide them with the opportunity to present their papers online.

However, if the restrictions do not allow to organize a conference on-site, the entire conference will be held in OnLine mode, using a videoconferencing system and virtual meeting rooms.