



12th International Conference on Computational
Collective Intelligence ICCCI 2020
30 November – 3 December 2020, Da Nang, Vietnam



EEIIOT 2020

Special Session on Experience Enhanced Intelligence to IoT

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

The Internet of Things (IoT) has gained significant attention from industry as well as academia during the past decade. The main reason behind this interest is the capabilities of the IoT for seamlessly integrating classical networks and networked objects, and hence allows people to create an intelligent environment based on this powerful integration. However, how to extract useful information from data past produced by IoT, then transform such information into knowledge and facilitate standard knowledge reuse among different Things, are still open issues to be addressed. The EEIIOT 2020 Special Session at the 12th International Conference on Computational Collective Intelligence (ICCCI 2020) is devoted to the experience-based methods addressing knowledge acquisition, representation, inference, and reusing problems and their application to IoT. 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 EEIIOT 2020 includes, but is not limited to the following topics:

- Theoretical framework for experience-based knowledge representation methods
- Experience-based knowledge extraction algorithms for IoT
- Dealing with Big Data and small data sets
- Subsampling and feature selection in multiple model machine learning
- Diversity, accuracy, interpretability, and stability issues
- IoT-oriented methods in prediction and classification
- Reusing, evolving, and online learning for IoT
- Inference and reasoning using experience-based methods
- Implementations of experience-based learning algorithms for IoT
- Applications of intelligent IoT methods in medicine, security, industry, engineering, etc.

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

Fei Li, Chengdu University of Information Technology, China
Zhu Li, University of Missouri, Kansas City, USA
Juan Wang, Chengdu University of Information Technology, China
Lingyu Duan, Peking University, China
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Syed Imran Shafiq, Aligarh Muslim University, India
Ming Zhu, Chengdu University of Information Technology, China
Dave Chatterjee, University of Georgia, USA

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: ***EEIIOT 2020: Special Session on Experience Enhanced Intelligence to IoT.***

<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 EEIIOT 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.