



AISIoT 2019

Special Session on Applied Artificial Intelligence for Smart City and IoT Era at the 11th International Conference on Computational Collective Intelligence (ICCCI 2019)

Hendaye, France, September 4-6, 2019

Conference website: <http://iccci.sigappfr.org/>

Special Session Organizers

Dr. Nazeeh Ghatasheh

Department of Business Information Technology
The University of Jordan, Jordan
E-mail: n.ghatasheh@ju.edu.jo

Dr. Ismael Altaharwa

Department of Computer Information Systems
The University of Jordan, Jordan
E-mail: i_taharwa@ju.edu.jo

Dr. Khaled Al-Debei

Department of Business Information Technology
The University of Jordan, Jordan
E-mail: k.debei@ju.edu.jo

Dr. Walaa Al-Smadi

College of Computer and Information Systems
Taibah University, Saudi Arabia
E-mail: wyalismadi@taibahu.edu.sa

Objectives and topics

Artificial Intelligence (AI) is an essential driver of smart city ecosystems. It plays a key role in the management, development, growth, and sustainability of the smart city. The nature of the Smart City and usage of IoT generates huge amounts of data that are inherently unstructured and dispersed. Thereby, management and mining of such data require advanced techniques of AI and data mining. The Smart City enhances life by improving utility services, transportation, education, health, national security, and other sectors.

Green environment, transparency and anti-corruption, Innovation and entrepreneurship, and the quality of life aspects of the Smart City require special concern for continuous growth and sustainability. However, the level of complexity induces the rise of several drawbacks or potential backlashes that call for immediate remedies and effective precautions. Data privacy and security, big data management, trust, cyber-crimes, losing specificity at the expense of maintaining generality, legal enforcements, and many other issues would be with high priority for private and public sectors.

AI has been an essential contributor in solving real world problems and leveraging the decision making process. In the Smart City AI can describe deeply past events, predict what is going to happen, and simulate prospects of smart city dynamics. Computational intelligence and evolutionary algorithms are leveraged to tackle optimization issues. Ubiquitous computing and IoT enable interconnection among all appliances and accessories. Therefore, technological solutions are expected to provide basis for unlimited smart city applications, which on its turn will rely heavily on AI to be operated, managed, analyzed, protected, and predicted. Topics of interest include, but not limited to:

- Knowledge Management in Smart City.
- Computational Intelligence and Evolutionary Algorithms in Smart City context.
- Machine Learning Techniques for Smart City and IoT.
- Ubiquitous Computing and Internet of Things in Smart City.
- Information Retrieval and Integration in Smart City.

- Smart Architecture and Applications.
- Data Science Applications in Smart City.
- Cyber-security and Forensics in Smart City.
- Business Analytics for Smart City Improvement
- AI Solutions for growth and sustainable development of Smart City issues such as poverty, education, health, environment, etc.
- AI for performance excellence, entrepreneurship, and quality of life improvement.

Important dates

Submission of papers: **April 15, 2019 (Extended-Strict)**

Notification of acceptance: **May 20, 2019**

Camera-ready papers: **June 1, 2019**

Registration & payment: **June 1, 2019**

Conference date: **September 4-6, 2019**

Program Committee (to be invited)

Prof. Alaa F. Sheta, Texas A&M University, Corpus Christi, USA
 Prof. Franco Chiaraluce, Marche Polytechnic University, Italy
 Dr. Amjad Fayyomi, Lancaster University, UK
 Dr. Anas Najdawi, Canadian University of Dubai, United Arab Emirates
 Dr. Chafika Benzaid, Aalto University, Finland
 Dr. Ching-Hao Mao, Institution of information industry, Taiwan
 Dr. Davide Storelli, University of Salento, Italy
 Dr. Fouad Guenane, Beamap, France
 Dr. Giustina Secundo, University of Salento, Italy
 Dr. Hossam Faris, The University of Jordan, Jordan
 Dr. Mahdi Aiash, Middlesex University, United Kingdom
 Dr. Mahmoud Farfora, Royal Scientific Society, Jordan
 Dr. Mian Ahmad Jan, Abdul Wali Khan University Mardan, Pakistan
 Dr. Muhammad Usman, Swinburne University of Technology, Australia
 Dr. Yousef Awwad Daraghmi, Palestine Technical University- Kadoorie, Palestine Territory

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: ***AISIoT 2019: Applied Artificial Intelligence for Smart City and IoT Era***.

<https://easychair.org/conferences/?conf=iccci2019>

Authors are invited to submit original previously unpublished research papers written in English, of up to 10 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 ***AISIoT 2019 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.).