

SIOTBDTA 2022

Special Session on Smart IoT and Big Data Technologies and Applications

at the 14th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2022)

Almaty, Kazakhstan, June 6-9, 2022

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

Special Session Organizers

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Objectives and topics

IoT technologies are now fundamentally changing the world. IoT is greatly presented by the enormous quantity of heterogeneous networked embedded devices that generate intensively large amount of data. Devices must evolve into something more complex in order to fulfill a technically and economically viable role in the IoT environment. Concept of widely used smart sensors has become a solution to the expectations to improve manufacturing, more integration and built-in intelligence of IoT devices. The new developed Big Data technologies can handle many challenges that face data analysis and have the ability to extract valuable information. The capabilities of the smart IoT and Big Data technologies help optimize costs in healthcare and smart cities. The SIOTBDTA 2022 Special Session at the 14th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2022) is devoted to discussing smart IoT and Bid Data technologies in healthcare and 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 SIOTBDTA 2022 includes, but is not limited to the following topics:

- Algorithms, Models, Applications, and Services for Big Data
- Applications, Services, and Implementations for the Internet of Things
- IoT and Big Data Analytics for Smart Cities
- Big Data in Smart Cities: Current Research and Challenges
- Engineering Applications on Intelligent Control Systems
- Smart IoT and Data Analytics
- Smart IoT in Healthcare: Applications, Benefits and Challenges
- Smart IoT for a better life: smart living and eHealth
- Machine learning for smart Health
- Smart Farming: Agriculture Transformation
- Machine learning for Smart Farming
- 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 January 2022**
Notification of acceptance: **1 March 2022**
Camera-ready papers: **15 March 2022**
Registration & payment: **15 March 2022**
Conference date: **6-9 June 2022**

Program Committee (to be invited)

Octavian Postolache, Instituto de Telecomunicações IT-IUL, Portugal
Uyanga Sambuu, National University of Mongolia, 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
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: *SIOBDDTA 2022: **Special Session on Smart IoT and Big Data Technologies and Applications.***

<https://easychair.org/conferences/?conf=aciids2022>

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 *SIOBDDTA 2022* 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.).