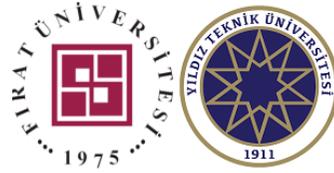




Innovations in Intelligent Systems
and Applications Conference
6–8 October 2021, Elazig, Turkey



ASYU-2021

PAIoTS 2021: Special Session on Practical Applications of IoT Solutions at the 2021 Innovations in Intelligent Systems and Applications Conference (ASYU 2021)

Elazig, Turkey, October 6-8, 2021

Conference website: <http://asyu.inista.org/>

Special Session Organizer

Prof. Dr. Resul Das (Session Chair)

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Objectives and topics

In recent years, IoT solutions, which have become widespread and developed with industry 4.0, provide great convenience in people's lives. Due to its wide range of scope, it continues to attract the attention of experts working in the academic and commercial sector working in different and multi-disciplines. In particular, it provides solid and perfect solutions in many sectors with its artificial intelligence-based solutions and applications. The Internet of things describes the network of physical objects—“things” or objects — that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the Internet. Its derivatives have been developed by dividing it into many sub-areas such as IIoT, IoE, IoB, IoNT. The IIoT is enabled by technologies such as cybersecurity, cloud computing, edge computing, mobile technologies, machine-to-machine, 3D printing, advanced robotics, big data, Internet of things, RFID technology, and cognitive computing.

The special session aims to present works relating to the design and implementations of IoT solutions in practical applications. This special session exhibits the number of trends and the challenges of the use of IoT in practical applications. In addition, it is expected to gather software developers, specialist researchers, and users from diverse fields.

The scope of the PAIoTS 2021 includes, but is not limited to the following topics:

- Smart city modeling and simulation;
- Smart home and smart buildings;
- Smart city implementation;
- Smart city for special needs;
- Internet of Things and smart cities;
- Intelligent infrastructure;
- Industrial internet of things;
- Internet of NanoThings;
- Internet of Everything;
- Sensors and actuators;
- e-health applications and services;
- Smart environment and applications;
- Connected vehicle technologies;
- Smart mobility and transportation;
- Computer vision and applications;
- Traffic simulation, modeling and control;
- IoT enabling technologies;
- IoT applications and services;
- Internet of Things Security applications;
- Intelligent vehicle-to-infrastructure integration;
- Smart grids and applications;
- Knowledge acquisition from big data on the web;
- Reasoning over uncertain web data;
- Algorithms and systems for web-scale mining;
- Web-based crowdsourcing and data analytics;
- Big data and Web of Things;
- Clustering and classification of web data;
- Web-based social sensing and data analytics;
- Analytic web services for big data;
- Web data integration;
- Machine learning on deep web data;

Important dates

Full Paper Submission: **June 21, 2021**

Notification of Acceptance: **August 23, 2021**

Early Registration: **August 31, 2021**

Camera-Ready Submission: **September 15, 2021**

Conference date: **6-8 October, 2021**

Program Committee (to be invited)

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: *PAIoTS 2021- Special Session on Practical Applications of IoT Solutions*: <https://easychair.org/conferences/?conf=asyu2021>

Paper format: Papers must be prepared using **IEEE templates for conference proceedings**.

Page limit: The maximum page limit is 6 inclusive of figures and tables. INISTA will offer the option to buy limited number of extra pages for submission.

Paper Language: The official language for the conference is English and Turkish. Unsatisfactory use of language can serve as the sole basis for rejecting a paper and removing final versions of such papers from the conference book.