

Call for Contributions WOT

Note: Onsite and Online Options

In order to accommodate a large number of situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors manage to attend in person, but are aware that special circumstances are best handled by having flexible options.

Submission:

1. Inform the Chair: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=WEB+2020+Special>

Please select Track Preference as **WOT**

Special track

WOT: Web of Things

Chairs and Coordinators

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along with

WEB 2020, The Eighth International Conference on Building and Exploring Web Based Environments

<https://www.iaria.org/conferences2020/WEB20.html>

September 27 - October 01, 2020 - Lisbon, Portugal

The Internet of Things (IoT) has developed as an emerging technology in the recent years. With the increase in the number of IoT devices, the integration of IoT and the Web lead to the Web of Things (WoT). WoT takes advantage of the universal accessibility of the Web leading to digital transformation of smart homes, production lines, buildings and entire cities.

There is a wide range of protocols and interfaces of heterogenous IoT devices bringing up the challenge of semantic interoperability. This is an important prerequisite for end user driven or automatic composition of WoT applications requiring flexible WoT application architectures and programming paradigms. WoT environments and their physical nature demands new methods of user interaction.

The main goal of this track is to explore the landscape of WoT application development, interoperability solutions, composition of WoT devices, application of WoT in smart domains, education, and across domains. The WoT track welcomes submissions of interest from both academia and industry that contribute to the understanding of the topics indicated below.

Topics include, but not limited to:

1. Planning and Artificial Intelligence in WoT
2. Human WoT Interaction/ End User programming / User Interfaces for WoT Applications

3. Ontologies for IoT/WoT and Semantic interoperability
4. Protocols/ APIs / Interfaces
5. Smart Home/ Smart Cities / Smart Factories and cross-domain applications
6. Economic considerations and business models of WoT/ Marketplaces for WoT applications and services
7. WoT composition and physical mashups
8. WoT application architecture and programming paradigms
9. Testbed architectures for WoT and empirical experimentation in WoT
10. Sensor data acquisition, storage and management for WoT
11. WoT and education (education about WoT, WoT in education)
12. Device discovery / device capability discovery
13. Extending business process / workflow modelling with WoT
14. Context recognition in WoT
15. WoT success stories

Important Datelines

Submission: July 3, 2020

Notification: July 23, 2020

Registration: August 2, 2020

Camera ready: August 2, 2020

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format

- See: <http://www.iaria.org/format.html>

- Before submission, please check and comply with the editorial rules: <http://www.iaria.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=WEB+2020+Special>

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaria.org/registration.html>

Contact

Chairs

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