Call for Contributions for

Submission:
1. Inform the Chair: with the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=UBICOMM+2019+Special
Please select Track Preference as **SWIoT**

Special track

SWIoT: Semantic Web and IoT Technologies

Chairs and Coordinators

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along with

UBICOMM 2019, The Thirteenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies
http://www.iaria.org/conferences2019/UBICOMM19.html
September 22, 2019 to September 26, 2019 - Porto, Portugal

Semantic (Web) technologies have already proven their effectiveness in various domains addressing multiple challenges such as: a) handling data and systems' heterogeneity by providing what is called as 'semantic interoperability', b) facilitating easy and seamless integration of data-oriented applications, c) deducing and extracting new knowledge from existing data, information and knowledge repositories, to build applications that provide smart solutions to every-day societal problems, and d) facilitating interoperability among various data processes including representation, interlinking, integration, storage and retrieving of (big) data.

In this special track, our focus is on the combination of Semantic (Web) and IoT technologies to receive high quality research papers presenting the different ways the merging of these technologies can lead the evolution of **Internet of Things** (IoT) to **Web of Things** (WoT) to **Semantic Web of Things** (SWoT). This special tack aims to present related work on Web of Things and Semantic Web technologies, and demonstrate methods, tools and techniques designed to enable the rapid development of semantics-based Web of Things applications.

Additionally, it aims to familiarize its audience with tools and applications designed by different Semantic Web, IoT and WoT related projects. Real-world use case scenarios which are designed using semantically-enabled WoT frameworks (e.g., CityPulse, FIESTA-IoT and M3) are more than welcome to be presented.

Topics include, but not limited to:
- Semantic Web technologies in IoT
- Semantic Interoperability in IoT
- Semantic Web of Things (WoT)
- Semantics in Sensor Networks

- Knowledge/Ontology Engineering tools in IoT
- Semantics for modelling security, privacy and trust in IoT
- Semantics for annotating and integrating streaming (sensor) data
- Learning semantics from streaming (sensor) data
- Semantic data management for Big (sensor) data
- Ontology-based data access (OBDA), integration and reasoning with heterogeneous, multimodal and disparate (sensor) data
- Semantically-enabled IoT services, alignment and composition
- Semantic technologies for Smart Cities, Smart Home and other applications
- Semantically-enabled IoT and WoT frameworks

Important Datelines
Inform the Chair: As soon as you decide to contribute
Submission: July 26, 2019
Notification: August 16, 2019
Registration: August 26, 2019
Camera-ready: August 26, 2019
Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

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 [both LaTex and .doc templates]
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html
- More information on camera ready preparations will be posted after the paper notifications are sent out.

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
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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

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