

Call for Contributions

Submission:

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

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=SENSORCOMM+2017+Special>

Please select Track Preference as **WSCPS**

Special track

WSCPS: Wireless Sensing for Cyber-Physical Systems

Chair and Coordinator

Dr Lim Tiong Hoo, Universiti Teknologi Brunei - Gadong, Brunei

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along with

SENSORCOMM 2017, September 10 - 14, 2017 - Rome, Italy

The Eleventh International Conference on Sensor Technologies and Applications

<http://www.iaia.org/conferences2017/SENSORCOMM17.html>

Cyber Physical Systems (CPS) are highly-interconnected hardware devices, software processes, and humans that constantly interact with each other wirelessly to provide functionalities that are highly related to the spatial, temporal, computational, physical context they operate within. These interactions can influence the behaviour of the systems and the physical world as their operations are monitored, coordinated, and controlled. CPS demands for an effective approach to address critical issues such as unpredictability of user's behaviour and operating environment, resilience to systems failure, adaptiveness and susceptible to change, and decision making under uncertainty.

Over the years, various works had been focused on problems in real-time, safety-critical, and embedded systems. Security and safety issues are considered very important in mission-critical systems. While all such constraints had been derived as design problems for real-world applications, they were treated as separate aspects which are inadequate for the construction of large control systems, in particular for applications with real-time constraints, safety-critical, autonomous entities and decision-making. For all such issues, hardware, software and communication aspects of the CPS need to be jointly studied and analysed.

This special track focuses on the confluence of reliability, security and safety, and CPS that impacts the operation of critical infrastructures and systems. It reports on advances in the wireless communication and sensing aspects of cyber-physical systems including theory, tools, applications, systems, testbeds and field deployments.

Topics:

Original contributions previously unpublished are solicited in relevant areas including (but not limited to) the following topics:

- Wireless sensing architecture and infrastructure for CPS
- Methodologies, Frameworks and Tools for developing, implementing and testing of CPS
- Analysis of wireless sensing communication and application for CPS

- Reliability, Safety, and Security issues on wireless sensing and interaction For CPS
- Designing Emerging Application for CPS
 - Embedded Real Time Wireless Sensor Systems
 - SmartGrid for Wireless Sensor Systems
 - Safety Issues on Smart healthcare, Assisted-living, Artificial Immune Systems
 - Robotics

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: August 2
- Notification: August 9
- Registration: August 16
- Camera ready: August 16

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.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Paper Format

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

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.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.iaia.org/registration.html>

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