

COINS 2019

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Special Session on „Critical System Design“

In the context of the COINS conference, this special session focusses on all challenges in **the development and operation of critical IoT systems**. A critical system in the context of this special session is a **networked HW/SW system that must be highly reliable and retain its reliability if the IoT system or its environment evolves over time**. This session covers all type of critical systems, including **safety, security, mission and business critical systems** and ultimately covers systems where a **mixture of different criticalities** has to be considered on a network of potentially **small and resource constrained IoT nodes**.

Since IoT devices are expected to operate over a long time (in potentially harsh environment conditions), contributions considering different phases in the **DevOps ("development" and "operations") cycle** from **specification, design and verification, over deployment, configuration and monitoring to updates in-the-field** are of high interest.

If possible (this is not mandatory), contributions to this special session should address two potential conflicting properties, such as:

- Safety and security
- Real-time and low power
- Real-time, low power and security
- ...

This session is open for classic research papers, experimental research and industrial or academic case-studies. If in doubt, whether your paper fits into this special session, please contact the special session chair kim.gruettner@offis.de.

Proceeding & Submission Guidelines

COINS is sponsored by **IEEE Council on Electronic Design Automation (CEDA)**. The proceeding will be published in **ACM**. Accepted papers are allowed six pages in the conference proceedings free of charge. Each additional page beyond six pages is subject to the page charge at 150 Euro per page up to the eight-page limit.

Extended versions of selected best papers will be published in a special issue of the ISI indexed Elsevier journal "Microprocessors and Microsystems: Embedded Hardware Design" (**MICPRO**) having the 2016 Impact Factor as high as 1.025

In order to conduct a blind review, no indication of the authors' names should appear in the manuscript, references included.

Important Dates

- **Submission Deadline: Dec 1, 2018**
- Notification Date: Jan. 15, 2019
- Camera-ready: Jan 31, 2019
- Conference: May 5-7, 2019

Grant

COINS Executive Committee is pleased to announce registration grants for highly skilled students who have an accepted paper. We are especially looking forward to applications from Middle East, and Asia.