

COINS 2020

IEEE International Conference on Omni-layer Intelligent systems

Special Session on Critical System Design

July 27-29, 2020
Barcelona, Spain
<https://coinsconf.com>



Call for Papers

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

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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.


Key Dates

 **March 06** Submission of Regular Papers and Special Session Papers
March 06, 2020

 **Dec. 14** Submission of Special Sessions proposal
Dec. 14, 2019

 **May 06** Notification of Paper Acceptance
May 06, 2020

 **Nov. 23** Notification of Proposal Acceptance
Dec. 06, 2020

 **May 16** Camera-Ready Submission
May 16, 2020

Organizing Committee

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Kim Grüttner, OFFIS, DE

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