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Special Session Call for Papers

SMC2016 Special session on advanced methods and applications for
increasing control systems reliability, safety and security

Special Session organizer

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Introduction/Call for Papers

Control systems are key components of every infrastructure used in current human activity. These systems are now integrated and interconnected in various complex structures which merge high computing power, advanced communication and cognition facilities. The systems operating energy production and distribution, petrochemical plants and other critical infrastructures starts to be connected to the global network and are becoming targets of various threats.

Any risks, such as natural disasters, faulty components, human error, cyber crimes and attacks, have a negative influence on these machines, on humans related to them and on the environment. Mechanisms have been developed for centralized and distributed information processing which aim at increasing overall system resilience.

This special session aims to gather and discuss state-of-the-art methods and technologies for analyzing and mitigating the risks for control systems and increasing their availability, reliability, safety and security.

Important Dates

April 15, 2016: Deadline for submission of full-length papers.

May 25, 2016: Acceptance/rejection notification.

July 9, 2016: Final camera-ready papers due in electronic form.

Submission

Manuscripts for a Special Session should NOT be submitted in duplication to any other regular or special sessions and should be submitted to SMC 2016 main conference online submission system on SMC 2016 conference website.

All submitted papers of Special Sessions have to undergo the same review process. The technical reviewers for each Special Session paper will be members of the SMC 2016 Program Committee and qualified peer-reviewers to be nominated by the Special Session organizers.

Indicative Topics/Areas

Specific topics of interest for the special session include, but are not limited, to the following:

- Reliability Engineering / Dependable Systems
- Information Security
- Industrial Control Systems Safety & Security
- Industrial Control Systems Availability
- Critical Infrastructures Safety & Security
- Anomaly Detection
- Knowledge-based Risk Management
- E-learning of Risk Management