SSCPS 2011

The First International Workshop on Safety and Security in Cyber-Physical Systems

http://www.sscps.net

Satellite Event of *SSIRI 2011*

Jeju Island, Korea, June 27, 2011

Background

Cyber-Physical Systems (CPS) is recognized as an important trend of information technology and will deeply affect everyday's life of people. Theoretical and engineering aspects of CPS, such as its foundations, methods and tools, implementation techniques, attract a lot of research interests recently.

The capabilities of CPS are realized by deeply embedded computation, communication and control, and their extensive interactions. As CPS is widely adopted in various critical areas (for example, distributed energy systems, transportation systems, and healthcare monitoring), its safety and security become key issues for its development and utilization.

The safety and security problems faced by CPS have essential differences compared with traditional computing systems. The SSCPS workshop will provide a forum to bring together researchers and practitioners working towards improving the safety and security of CPS and their related areas. The workshop focuses on innovative methodologies, techniques, tools, management and applications in this challenging area, and provides a chance of exchanging ideas on them.

Topics

Topics of interest include, but are not limited to, the following areas:

- Safety and security models of CPS
- Design for safety and security of CPS
- Metrics and measurement for safety and security of CPS
- Verification and validation of CPS
- Testing and simulation of CPS
- Monitoring and evolution for safety and security of CPS
- Management issues in safety and security of CPS
- Methods and tools of CPS
- Applications and empirical studies of CPS

Submission

All submissions must be in English and original works that have not been published and/or submitted for consideration of publication anywhere else. The format of the submission must follow the guidelines for **IEEE conference proceedings**

(*http://www.ieee.org/conferences_events/conferences/publishing/templates.html*) with a maximum of **8 pages**. Each submission should also include a 150-word abstract and up to 6 keywords. All accepted papers will be published by IEEE Press and made available in the IEEE digital library as the company of SSIRI proceedings. Detailed instructions for electronic paper submission and the review process can be found at the SSCPS2011 workshop submission website *https://www.softconf.com/b/sscps2011*.

Important Dates

- Submission Deadline: February 12, 2011
- Author Notification: March 12, 2011
- Camera-ready Versions: April 1, 2011
- SSCPS Workshop: June 27, 2011

Program Committee

Program Chairs:

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    National University of Defense Technology, China
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    Missouri University of Science and Technology, USA

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