
The 5th IEEE International Workshop on Safety and Security in Cyber-Physical Systems

in conjunction with

QRS 2015

Vancouver, Canada, August 3-5, 2015

Cyber-Physical Systems (CPS) is recognized as an important trend of information technology and will deeply affect every day'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 provides 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.

The following workshops have been organized in the past or are planned in the (near) future.

SSCPS 2011: Satellite Event of SSIRI 2011 Jeju Island, Korea, June 27, 2011

SSCPS 2012: Satellite Event of SERE 2012 Washington, D.C., USA, June 20-22, 2012

SSCPS 2013: Satellite Event of SERE 2013 Washington, D.C., USA, June 18-20, 2013

SSCPS 2014: Satellite Event of SERE 2014 San Francisco, California, USA, June 30-July 2, 2014

SSCPS 2015: Satellite Event of QRS 2015 in Vancouver, Canada, August 3-5, 2015

Topics of interest

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
- Analysis, 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 maximum of **10 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 QRS proceedings. Detailed instructions for electronic paper submission and the review process can be found at the QRS15 conference submission website <http://paris.utdallas.edu/qrs15>.

Important Dates

- Submission Deadline: May 10, 2015
- Author Notification: May 30, 2015
- Camera-ready Versions: June 15, 2015
- SSCPS Workshop: August 3-5, 2015

Program Committee

Program Chair

Yixiang Chen: East China Normal University, China

Program Committee Members

Yunwei Dong: Northwestern Polytechnical University, China
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General Inquiries

For more detailed and updated information, please refer to <http://paris.utdallas.edu/qrs15>, or contact Yujing Ma at sei_mayj@163.com.