

## Call for Posters, Demos AND Work-in-Progress Abstracts

ACM/IEEE Third International Conference on Cyber-Physical Systems (ICCPS), Beijing, China, 2012

Cyber-physical systems (CPS) are physical and engineered systems whose operations are monitored, coordinated, controlled and integrated by a computing and communication core. International Conference on Cyber-Physical Systems (<http://www.iccps.org>) is the flagship conference on cyber-physical systems. ICCPS is seeking submissions of abstracts for demos, posters and Work-in-Progress presentations.

Contributions should emphasize the cross-cutting, system-wide themes. Sectors of applicability include, but are not limited to, transportation (automotive, aerospace, marine, rail), SCADA systems (electricity generation including smart grids and the like, other utilities), smart physical infrastructure (smart bridges, buildings and highways), energy efficiency (energy-aware buildings), environmental monitoring, defense systems, intelligent medical devices, tele-operations and robotics.

Topics of interest include (but are not limited to) the following:

- Theoretical foundations of CPS
- Modeling, Analysis and Synthesis Techniques
- Architectures for Cyber-Physical Systems
- Building blocks for Cyber-Physical Systems
- Systems Abstractions, Services and OS Support
- Evaluation approaches and metrics
- Novel CPS applications and case studies

Submissions will be evaluated based on technical merit and innovation as well as their potential to stimulate interesting discussions and exchange of ideas at the conference. Both academic and industrial submissions are encouraged. The submissions should be a one-page abstract in PDF format following ICCPS regular-paper formatting guidelines at <http://iccps2012.cse.wustl.edu/Submit.html>. All accepted abstracts will be published in the regular ICCPS Proceedings.

### DEMOS

The demo session will provide a forum for researchers to showcase ongoing work and obtain feedback from the CPS community as a part of the joint poster/demo session of CPS Week (<http://www.cpsweek.org>). The title of submissions should start with "Demo Abstract:". Submissions should be emailed to [iccps2012demo@gmail.com](mailto:iccps2012demo@gmail.com) with subject: ICCPS demo submission. Demo proposals should clearly describe what will be demonstrated and how the contributions will be illustrated interactively. A table, power, and wireless connectivity will be provided for each demo. If a demonstration requires special arrangements in addition to the above, please describe them clearly in the demo submission. If you have any questions, please contact the Demo Co-Chairs: Xiangyang Li ([xli@cs.iit.edu](mailto:xli@cs.iit.edu)) and Huadong Ma ([mhd@bupt.edu.cn](mailto:mhd@bupt.edu.cn)).

### POSTERS

The poster session will provide a forum for researchers to showcase ongoing work and obtain feedback from the CPS community as a part of the joint poster/demo session of CPS Week

(<http://www.cpsweek.org>). The title of submissions should start with "Poster Abstract:". Submissions should be emailed to Poster Chair Guoliang Xing ([glxing@cse.msu.edu](mailto:glxing@cse.msu.edu)) with subject: ICCPS poster submission.

#### WORK-IN-PROGRESS

The Work-in-Progress session will provide a forum for researchers to present ongoing work and obtain feedback from the CPS community at ICCPS. The title of submissions should start with "WiP Abstract:". Submissions should be emailed to WiP Co-Chairs Chang-Gun Lee ([cglee@snu.ac.kr](mailto:cglee@snu.ac.kr)) and Anthony Rowe ([agr@ece.cmu.edu](mailto:agr@ece.cmu.edu)) with subject: ICCPS WiP submission. Authors of accepted WiP abstracts will give a short oral presentation at the WiP session.

#### IMPORTANT DATES

- Submission Deadline: February 22, 2012 (HARD)
- Acceptance Decisions: February 29, 2012
- Camera-ready Abstracts: March 7, 2012
- Conference: April 17-19, 2012