

Call for Demos, Posters and Work in Progress

The 5th ACM/IEEE International Conference on Cyber-Physical Systems.

Call for Papers for Demo, Poster and WiP

April 15-17, 2014, Berlin, Germany

URL: <http://iccps.acm.org/2014/>

As computers become ever-faster and communication bandwidth ever-cheaper, computing and communication capabilities will be embedded in all types of objects and structures in the physical environment. Applications with enormous societal impact and economic benefit will be created by harnessing these capabilities in time and across space. Such systems that bridge the cyber-world of computing and communications with the physical world are called cyber-physical systems. Cyber-physical systems (CPS) are physical and engineered systems whose operations are monitored, coordinated, controlled and integrated by a computing and communication core. This intimate coupling between the cyber and physical will be manifested from the nano-world to large-scale, wide-area systems of systems and at multiple time-scales. Cyber-physical systems will transform how we interact with the physical world just like the Internet transformed how we interact with one another.

International Conference on Cyber-Physical Systems is the flagship conference on cyber-physical systems. ICCPS is seeking submissions of abstracts for demos, posters and Work-in-Progress presentations.

Topics:

The ICCPS 2014 conference including demos, posters and Work-in-Progress presentations will put specific emphasis on (but not limited to) the following overarching themes: **Transportation, Robotics, and Energy**

Work focused on theory, algorithms, implementation and field deployments will be of great interest to the conference. Areas of interest to support these applications include (but not limited to): control, optimization, machine learning, verification, data mining, signal processing, information theory. Tools and technologies of interest include (but not limited to): sensor networks, embedded systems, human in the loop systems, social networks, mobile computing, participatory sensing, crowd-sourcing, cloud computing.

Submission:

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](#). All accepted abstracts will be published in the regular ICCPS Proceedings.

Demo Proposals, Poster abstracts, and WiP abstract should **be submitted through the [submission site](#)**. The title of submissions should start with **“Demo Abstract:”, “Poster Abstract:” or “WiP Abstract:”** according to the type of submission.

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. 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.

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.

The Work-in-Progress session will provide a forum for researchers to present ongoing work and obtain feedback from the CPS community at ICCPS. Authors of accepted WiP abstracts will give a short oral presentation at the WiP session.

Key Dates:

The following submission deadlines and notification dates apply:

- Paper Submission Deadline: January 27, 2014
- Acceptance Decisions: February 7, 2014
- Camera-ready Abstracts: February 17, 2014
- Conference: April 15-17, 2014, Berlin, Germany

Organizers:

Contact point: Poster, Demo and WiP Chair: Mohammad A. Al Faruque (UC Irvine) E-mail: alfaruqu@uci.edu

General Co-Chairs: P.R. Kumar (Texas A&M University) and Radu Stoleru (Texas A&M University)

TPC Co-Chairs: Alexandre Bayen (UC Berkeley) and Michael Branicky (University of Kansas)

ICCPS regular-paper formatting guidelines:

Submissions must be in PDF format, on single-spaced 8.5" x 11" (letter) pages of two-column format, using 10-point type on 12-point (single-spaced) leading, with a maximum text block of 7" wide x 9" deep. Left and right margins must be ≥ 0.75 ". Top and bottom margins must be ≥ 1 ". Each column should be 3.33" with a 0.33" gutter. Each column must contain no more than 55 lines of text.