
First International Workshop on the Swarm at the Edge of the Cloud (SEC-13)

September 29, 2013

ESWeek one-day workshop

Organizers:

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Call for Submissions

This inaugural workshop will be carried out in the true spirit of the workshops: heavy on vision and discussion, light on polished papers and concrete results.

The workshop will be structured as a number of topical sessions addressing challenge areas in the design and realization of swarm systems. Each themed session will be grounded by an introductory invited talk, followed by a number of short presentations, and a collective Q&A panel at the end.

In that vein, we want submissions to be short abstracts (1-2 pages max), presenting the crux of the idea you would like to present. Deadline for submission is **August 2 2013, 5pm PDT**. Acceptance notification and final agenda to be expected by **August 23, 2013**. You can submit your abstract to <http://sec13.eecs.umich.edu>

Topics of Interest

- Applications in health, transportation, energy, etc.
- Architectures, including APIs, protocols, contracts
- Assurance, including security, privacy, and verification
- Control, including adaptation, synthesis
- Data management, including aggregation, storage, learning, and mining.
- Design, including methodologies, co-simulation, co-design
- Energy-optimized services and devices
- Localization technologies and location-aware services
- Modeling of swarm systems
- Ontologies of sensors, actuators, and services
- Resource identification, management, allocation, and optimization
- Sensor and actuator component architecture
- Smart cars, buildings, and cities
- Temporal dynamics, including safety-critical networked operation
- User interaction, including novel interfaces, omnipresence
- Wireless sensor and actuator networks

Program Committee:

- David Blaauw, U. Michigan
- Prabal Dutta, U. Michigan
- Kevin Fu, U. Michigan
- Roozbeh Jafari, UT Dallas
- Doug Jones UIUC
- Carlos Guestrin, UW
- Louisa Guise, Raytheon
- Ling Huang, Intel
- John Kubiawicz, Berkeley
- Edward Lee, UC Berkeley
- Petros Maniatis, Intel
- Richard Murray, Caltech
- George Pappas, U. Pennsylvania
- Jan Rabaey, UC Berkeley
- Anthony Rowe, CMU
- Carl Sechen, UT Dallas
- Tajana Simunic Rosing, UCSD
- Alberto Sangiovanni-Vincentelli, UC Berkeley
- Sanjit Seshia, UC Berkeley
- Ben Taskar, UW
- John Wawrzyniec, UC Berkeley
- David Wessel, UC Berkeley