

SenSys 2012



The 10th ACM Conference
on Embedded Networked
Sensor Systems

November 6-9, 2012

Toronto, Canada

sensys.acm.org/2012/

Call for Papers

The ACM Conference on Embedded Networked Sensor Systems (SenSys 2012) solicits innovative research papers on the systems issues of networked, embedded sensing and control.

This is an exciting time in the development of the conference as we reach the 10th anniversary of the first conference in Los Angeles.

ACM SenSys brings together academic, industry, and government professionals to a premier single-track, highly selective forum on sensor network design, implementation, and application.

We seek technical papers describing original ideas, groundbreaking results and/or quantified system experiences involving sensor systems. SenSys takes a broad systems perspective of sensor applications and systems.

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

- Experience with real-world deployments and applications
- Resource management and OS support for sensing systems
- Energy management and harvesting for long-term operation
- Innovative sensing applications across broad areas (e.g., environmental monitoring, mobile healthcare, transportation, education)
- Wireless communication systems and protocols for sensor networks
- Sensor systems leveraging smart phones, body area networks, RFIDs, robots, etc.
- Sensing technologies for pervasive computing
- Sensor network measurement and characterization
- Programming paradigms and models for distributed sensing
- Sensor network debugging, fault-tolerance and reliability
- Sensing, actuation and control in cyber-physical systems
- Distributed sensor data storage, retrieval, processing and management
- Approaches to sensor network architecture
- Sensor data quality, integrity, and trustworthiness
- In-network data reduction, inference, and signal processing
- Security and privacy in sensor networks
- Time and location estimation and management

Submissions will be judged on originality, significance, clarity, relevance, and correctness. In addition to citing relevant, published work, authors must relate their submissions to relevant submissions of their own that are simultaneously under review for this or other venues.

General Chair

Rasit Eskicioglu (Manitoba)

Program Chairs

Andrew Campbell (Dartmouth)

Koen Langendoen (Delft)

Program Committee

Tarek Abdelzaher (UIUC)

Philippe Bonnet (Copenhagen)

Srdjan Capkun (ETH Zurich)

Geoffrey Challen (Buffalo)

Hao Chu (NTU)

Landon Cox (Duke)

Prabal Dutta (Michigan)

Jakob Eriksson (UIUC)

Deepak Ganesan (Amherst)

Jie Gao (Stonybrook)

Omprakash Gnawali (Houston)

Santosh Kumar (Memphis)

Brano Kusy (CSIRO)

Philip Levis (Stanford)

Chenyang Lu (WUSTL)

Cecilia Mascolo (Cambridge)

Emiliano Miluzzo (AT&T Labs)

Thomas Moscibroda (Microsoft)

Luca Mottola (SICS)

Amy Murphy (FBK)

Vijay Raghunathan (Purdue)

Utz Roedig (Lancaster)

Anthony Rowe (CMU)

Sivan Toledo (Tel-Aviv)

Niki Trigoni (Oxford)

Kamin Whitehouse (Virginia)

Submission Guidelines

Submissions must be full papers, at most 14 single-spaced 8.5" x 11" pages, including figures, tables, and references, two-column format, using 10-point type on 12-point (single-spaced) leading, with a maximum text block of 7" wide x 9" deep with an intercolumn spacing of .25".

Authors must make a good faith effort to anonymize their submissions. Papers that do not meet the size, formatting, and anonymization requirements will not be reviewed. Accepted submissions will be available on the ACM digital library at least one week before the conference.

Key Dates

- Paper Registration and Abstract: April 1, 2012, 11:59 pm PDT.
- Paper Submission Deadline: April 8, 2012, 11:59 pm PDT.
- Notification of Paper Acceptance: July 16, 2012.

Note these are hard deadlines - no extensions will be granted.