SenSys 2015

The 13th ACM Conference on Embedded Networked Sensor Systems

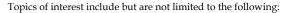November 1-4, 2015   Seoul, South Korea   http://sensys.acm.org/2015/

Sensors have become an essential part of computing systems and applications. Computing today is increasingly characterized by ubiquitous, information-rich sensors that produce massive quantities of data about the physical world. This new era of computing is driving important new systems issues, and requires new system-level approaches and design principles.

The ACM Conference on Embedded Networked Sensor Systems (SenSys 2015) is a computer systems conference focused on the architecture, design, implementation, and performance of sensors, broadly defined, as well as sensor-enabled smart systems. ACM SenSys brings together academic, industry, and government professionals to a single-track, highly selective forum on networked sensing design, implementation, and applications. It is the premier forum to discuss systems issues that arise specifically due to sensing.

New: The increasing proliferation and diversity of sensing systems and applications in physical and social spaces calls for a broadening of conference scope. This year, the SenSys review process is redesigned to explicitly focus on novelty and diversity of ideas! Highly innovative work that offers new avenues for research or introduces novel applications is encouraged, as opposed to more incremental contributions to mature systems. Maximum paper length is reduced to 12 pages (plus references) to facilitate introduction of new work. Sensys 2015 promotes a broad coverage of areas in computing that are relevant to the future of networked sensor and actuator systems.

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

- Novel applications, modalities, and deployment experiences
- New sensor technology and hardware designs
- Ubiquitous, mobile and pervasive sensing
- Wearable, human-centric, and social sensing
- Software, communication, and networking for sensor systems
- Information processing and knowledge discovery from sensor data
- Storage, retrieval, processing, and management of sensor data
- Energy harvesting and management for long-term sensor operation
- Fault-tolerance and reliability of sensor systems
- Internet of Things, Cyber-Physical Systems, and Sensor Swarms
- Security and privacy of sensor systems
- Sensor context estimation and self-aware systems
- Sensor data quality, integrity, and trustworthiness
- Sensing unstructured data

We invite technical papers describing original ideas, ground breaking results, and/or real-world experiences involving innovative sensor systems. Successful submissions will explain why the topic is relevant to a vision of the future of sensing systems. Submissions will be judged on originality, significance, clari-ty, relevance, and correctness. In addition to citing relevant, published work, authors must cite and relate their submissions to relevant prior publications of the their own. **Ethical approval for experiments with human subjects should be demonstrated as part of the submission.**

General Chair
Junehwa Song (KAIST, South Korea)

Program Co-chairs
Tarek Abdelhazer (University of Illinois at Urbana Champaign, IL, USA)
Cecilia Mascolo (University of Cambridge, UK)

Submission Guidelines

Submissions must be full papers, at most 12 single-spaced 8.5" x 11" pages, including figures, tables, with additional two pages for references, in 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 inter-column spacing of .25".

Authors must make a good faith effort to anonymize their submissions. Papers that do not meet the size, format-ting, and anonymization requirements will not be reviewed. Accepted sub-missions will be available on the ACM digital library at least one week before the conference.
Submission site can be found at
http://svr-hotcrp.cl.cam.ac.uk/hotcrp/SenSys_2015/

Key Dates

- Paper Registration and Abstract: April 3, 2015, AOE.
- Paper Submission Deadline: April 10, 2015, AOE.
- Notification of Paper Acceptance: July 17, 2015.

Note these are hard deadlines. No extensions will be granted.