

Call for papers

International Workshop on Urban, Community, and Social Applications of Networked Sensing Systems – UrbanSense08

November 4, 2008, Raleigh, North Carolina, USA

Held in conjunction with ACM SenSys 2008

Sensing is going mobile and people-centric. Sensors for activity recognition and GPS for location are now being shipped in millions of top end mobile phones. This complements other sensors already on mobile phones such as high-quality cameras and microphones. At the same time we are seeing sensors installed in urban environments in support of more classic environmental sensing applications, such as, real-time feeds for air-quality, pollutants, weather conditions, and congestion conditions around the city. Collaborative data gathering of sensed data for people by people, facilitated by sensing systems comprised of everyday mobile devices and their interaction with static sensor webs, present a new frontier at the intersection between pervasive computing and sensor networking.

This workshop promotes exchange among sensing system researchers involved in areas, such as, mobile sensing, people-centric and participatory sensing, urban sensing, public health, community development, and cultural expression. It focuses on how mobile phones and other everyday devices can be employed as network- connected, location-aware, human-in-the-loop sensors that enable data collection, geo-tagged documentation, mapping, modeling, and other case-making capabilities.

This workshop is the third in a series of meetings held at SenSys over last few years. The first workshop in 2006 dealt with the concept of the world sensor web and the second at SenSys 2007 focused on sensing on everyday mobile phones in support of participatory research.

We particularly encourage position papers on the following topics (but not limited to):

- Applications and architectural ideas
- Mobile phones sensing systems
- Activity recognition and classification techniques
- Data gathering, analysis and visualization of sensed data
- Privacy and security issues
- Sensing and its application to social networks
- City-wide urban sensing
- Machine learning for human and group behavior
- Participatory and opportunistic sensing
- Body area sensor networks
- Sensing for recreational applications, healthcare, public health, community development, and cultural expression.
- Interaction between static sensor webs and mobile sensors.

Paper Submission Instructions:

Submissions should contain 5 U.S. letter pages in PDF format, including all references, figures and tables. Papers should be single column using 11pt font. Proceedings will be made available to workshop participants online ahead of the workshop and as a printed copy. Paper submission is through the EDAS system.

Important Dates:

Papers submissions due Friday, August 8, 2008 (5:00pm EST)
Notification to authors Friday, September 5, 2008
Camera-ready copy due Friday, September 26, 2008 (5:00pm EST)
Workshop date November 4, 2008

Organizers:

Frank Bentley, Motorola
Assaf Biderman, MIT
Péter Boda, Nokia Research
Gaetano Borriello, University of Washington
Andrew Campbell, Dartmouth College, (Co-Chair)
Hae Don Chon, Samsung
Landon Cox, Duke University

Deborah Estrin, UCLA, (Co-Chair)
Lama Nachman, Intel Research
Tapan Parikh, UC Berkeley
Matt Welsh, Harvard University
Sean White, Columbia University
Feng Zhao, Microsoft Research