

# SenseApp 2009

## The Fourth IEEE International Workshop on Practical Issues In Building Sensor Network Applications

(In conjunction with IEEE LCN 2009)

Zurich, Switzerland

20-23 October 2009

[www.cse.unsw.edu.au/~senseapp](http://www.cse.unsw.edu.au/~senseapp)



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### Overview:

Sensor nodes are tiny autonomous devices that combine sensing, computing and wireless communication capabilities. These nodes are deeply embedded into the physical surroundings, and gather and process information such as temperature, humidity, light characteristics, seismic activities or images and sound samples from the physical world. Networked systems of such sensors are expected to be used in a variety of applications including habitat monitoring, precision agriculture, disaster recovery operations, healthcare and supply chain management. Real-world sensor network deployments and prototypic implementations are still not commonplace. However, experiences gained in such deployments are crucial for the sensor network research community. These results are needed to refine assumptions made when designing hardware, software, protocols and mechanisms for sensor networks.

### Topics of Interest:

This workshop aims at bringing together researchers from academia and industry to showcase their work and obtain feedback. We expect the workshop to act as a forum for the sensor network research community to discuss practical issues in building wireless sensor network applications. We encourage contributions describing innovative work and gained experiences in the realm of wireless sensor networks. Topics of interest include, but are not limited to:

- Experiences from real-world sensor network deployments
- Innovative sensor network applications
- Participatory sensing
- Programming and debugging sensor networks
- Experiences with new sensor hardware
- Security, availability and dependability issues in sensor networks
- Practical problems in implementing localization and time synchronization
- Experiences with communication protocols
- Practical medium access control protocols (MACs)
- Topology control and routing protocols in existing sensor network deployments
- Antenna design and experiences with signal propagation
- Experiences regarding energy management and network lifetime
- Fault-tolerance and troubleshooting sensor networks
- Management of large-scale sensor networks
- Interconnection between IP and sensor networks

### Submission Instructions:

Authors are invited to submit original unpublished work, not currently under review by another conference, workshop or journal. Full papers should be restricted to 8 camera-ready pages (in 10 pt font, double column, US letter size, 8.5 x 11 inches, IEEE format), including text, figures and references. Poster papers are an opportunity to present initial results and obtain feedback on on-going research. We also welcome submissions for demonstrations that showcase original research, practical implementations and realistic applications of wireless sensor networks. Poster/demo papers must be restricted to 2 camera-ready pages. Submitted papers will be reviewed by three independent experts in the field. Proceedings of the workshop will be published together with those of IEEE LCN, and will be available in digital format from the IEEE Explore Digital Library.

Papers must be submitted electronically. Further instructions will be posted on the website. Any questions should be directed to the TPC co-chairs: Salil Kanhere ([salilk@cse.unsw.edu.au](mailto:salilk@cse.unsw.edu.au)) and Kay Roemer ([roemer@inf.ethz.ch](mailto:roemer@inf.ethz.ch)).

### Important Dates:

<b>Paper registration deadline:</b>	<b>15 May 2009</b>	<b>Paper submission deadline:</b>	<b>22 May 2009</b>
Notification of acceptance:	6 July 2009	Camera-ready copy due:	28 July 2009
Author registration deadline:	28 July 2009		