WORKSHOP CHAIRS

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The Workshop on Wireless Sensor Networks
Co-located with the ICUMT-2009 conference
October 13th, St. Petersburg ~ Russia

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.

This workshop aims at bringing together researchers from researchers, scientists, engineers and practitioners throughout the world to present their latest research findings, ideas, developments and applications in the area of sensors and sensing technology. We expect the workshop to act as a forum for the sensor network research community to discuss open issues, novel solutions and the future development of wireless sensor networks in general. We encourage contributions describing innovative work in the realm of wireless sensor networks. Topics of interest include, but are not limited to:

- Innovative sensor network applications
- Wearable sensor systems
- Participatory sensing
- Middleware support for sensor networks
- Coverage and radio propagation models
- Signal processing in wireless sensor networks
- Programming and debugging sensor networks
- Security, availability and dependability issues in sensor networks
- Experiences with new sensor hardware
- Optical 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
- Fault-tolerance and troubleshooting sensor networks
- Antenna design and experiences with signal propagation
- Experiences regarding energy management and network lifetime
- Configuration and installation support
- Management of large-scale sensor networks
- Interconnection between IP and sensor networks

Important Dates

Submission deadline: July 10th, 2009
Notification of acceptance: July 30th, 2009
Camera ready copy due: August 15th, 2009