

Call for Papers

Workshop on Real-World Wireless Sensor Networks

REALWSN'05

<http://www.sics.se/realwsn05/>

June 20-21, 2005
Stockholm, Sweden

The purpose of the Workshop on Real-World Wireless Sensor Networks is to bring together researchers and practitioners working in the area of sensor networks, with focus on real-world experiments or deployments of wireless sensor networks.

When working with real-world experiments or deployments, many new issues arise: the network environment may be composed of a variety of different technologies, leading to very heterogeneous network structures; software development for large scale networks poses new types of problems; prototype networks may differ significantly from the deployed system; actual sensor network deployments may need a complex combination of autonomous and manual configuration.

Authors are invited to submit papers (5 pages, double column) or poster abstracts (2 pages) for presentation at the workshop. Papers will be selected based on originality, technical merit, and relevance.

All topics pertaining to real-world wireless sensor networks are of interest, including but not limited to:

- Experiences with real-world deployments
- Self-organization and self-management
- Debugging, testing, and management
- Deployment and configuration
- Applications in medicine, industry, science, environmental monitoring, etc.
- Security and trust
- Scalability in practice
- Development and prototyping platforms
- Operating systems and programmability
- Sensor network programming paradigms and languages
- Middleware for heterogenous networks
- Real-time and dependability issues
- Hardware support for real-world sensor networks
- Robustness at all levels: communication, software, hardware
- Energy efficient protocols
- Methods for measuring and assessing energy consumption

Important dates

Electronic submissions due	29 March 2005
Notification of acceptance	2 May 2005
Camera-ready copy due	23 May 2005
Workshop	20-21 June 2005

Organizing committee

Bengt Ahlgren, Swedish Institute of Computer Science

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