

## 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	<b>9 April 2005, 1600 EST</b>
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  
Adam Dunkels, Swedish Institute of Computer Science  
Per Gunningberg, Uppsala University  
Sverker Janson, Swedish Institute of Computer Science  
Thiemo Voigt, Swedish Institute of Computer Science

## **Technical program committee chairs**

Thiemo Voigt, Swedish Institute of Computer Science  
Christian Rohner, Uppsala University

## **Technical program committee**

Tarek Abdelzaher, University of Virginia, USA  
Leif Axelsson, Ericsson Microwave Systems, Sweden  
Mats Björkman, Mälardalen University, Sweden  
Torsten Braun, University of Berne, Switzerland  
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Jerker Delsing, Luleå University of Technology, Sweden  
Adam Dunkels, Swedish Institute of Computer Science, Sweden  
Jakob Engblom, Virtutech AB, Sweden  
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Prasant Mohapatra, University of California, Davis, USA  
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Hartmut Ritter, Free University Berlin, Germany  
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Jochen Schiller, Free University Berlin, Germany  
Cormac Sreenan, University College Cork, Ireland  
Ivan Stojmenovic, University of Ottawa, Canada  
Andras Veres, Ericsson Research, Hungary