



CALL FOR POSTERS/DEMOS

Sponsored by: IEEE Communications Society



Third Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks

September 25 - 28, 2006, Reston, Virginia, USA

www.ieee-secon.org/2006/

Poster/Demonstration Submission Deadline: July 16, 2006
Industry Participation is Strongly Encouraged

*Note: Technical Full-Paper Submissions for main conference are closed;
Workshop on Networking Tech. for Software Designed Radio Networks accepting submissions*

The third annual **IEEE SECON** conference will provide a unique forum to exchange ideas, techniques, and applications, discuss best practices, raise awareness, and share experiences among researchers, practitioners, standard developers and policy makers in the field of sensor, ad hoc, and mesh networks and systems. IEEE SECON grew out of **IEEE INFOCOM** (www.ieee-infocom.org) in 2004, in order to create an event that focused on the important and exciting topics of Sensor, Mesh and Ad Hoc Communications and Networks.

To provide a forum for discussion and personal interaction between presenters and participants, IEEE SECON 2006 will include poster and demonstration sessions: works in progress, industry demonstrations of new applications and techniques, practical implementations, military, industrial and commercial developments, research testbeds and demonstrations, recent research/implementation results, upcoming research challenges, future directions, and novel approaches in the fields of sensor, mesh and ad hoc communications and networks. One of the key goals of this conference is to foster collaboration between industry, government agencies and academia. Hence, participation of researchers/developers from industry or government agencies and posters/demonstrations reporting joint work are especially encouraged.

TOPICS OF INTEREST

- New architectures and protocols to support communication, localization, time synchronization, routing, data dissemination, and other distributed services in heterogeneous, large-scale distributed, mesh networks and sensor networks
- Novel algorithms and theories for management, supervisory control, and monitoring of distributed ad hoc networks, and techniques for the interpretation and use of sensor data in decision-making processes
- Modeling and performance evaluation of large-scale distributed ad hoc and sensor networks, practical implementations and deployments, and real-world experiences
- Theories and models on fundamental information and communication aspects of wireless mesh and sensor networks

- Mechanisms for authenticated, secure communication and data dissemination in sensor and mesh networks
- Algorithms and protocols to support quality of service in mesh and sensor networks, including admission control, resource allocation and fairness, and capacity planning
- Integration of sensors into engineered systems, including novel techniques for on-sensor renewable power sources, mechanisms for on-sensor self-calibration and self-testing, and efficient schemes to maximize accuracy and minimize false alarms
- Hardware platforms incorporating multiple sensors, computation, actuation, and wireless interfaces
- Software platforms, middleware, and tools for mesh and sensor network applications development, deployment, and management

Submissions should be in the form of a proposal describing the main contributions of the poster/demo and the merits of the proposed ideas. If available, preliminary results can also be included. Proposals will be evaluated mainly base on their potential to stimulate interesting discussions, exchange of ideas and promote collaborations. Submissions should not be more than three pages (preferably in IEEE 2-column format) in length. Demonstration submissions should include the space requirements and/or any other equipment-specific requirements. The document must contain the authors' names, affiliations, and contact information and the designated corresponding author. *IEEE Communications Society policy states that all accepted SECON 2006 posters/demos must have at least one registration at the regular rate. For authors co-authoring multiple posters/demos, one regular registration is valid for up to three presentations.*

SUBMISSION INSTRUCTIONS

Please **EMAIL** the submission material to the **poster/demo chairs in PDF format ONLY**. Please include the first author name and either POSTER or DEMO in the name of the PDF file. Email addresses:
basagni@ece.neu.edu cedric.westphal@nokia.com

IMPORTANT DATES

Poster/Demo Submissions Due	July 16, 2006
Notification Date	August 7, 2006
Accepted presenters must register by	August 31, 2006

CONFERENCE ORGANIZING COMMITTEE

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