



CALL FOR PAPERS

IPSN Track on Sensor Platform, Tools and Design Methods for Networked Embedded Systems (SPOTS)

Part of the IEEE/ACM Conference on Information Processing in Sensor Networks (IPSN)

Los Angeles, Wednesday, April 27, 2005

SPOTS'05 Organizers

Chair:

Wayne Wolf, Princeton U.

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Tajana Simunic Rosing, UCSD

Janos Spanovitz, Vanderbilt U.

Gaurav Sukhatme, USC

Frank Vernon, IGPP, UCSD

Matt Welsh, Harvard

Wei Hong, Intel

The goal of this special track is to present demonstrable advances in components, chips, tools and complete platforms for networked sensor systems. The special track organizers invite original submissions from authors from academia and industry addressing developments in the design methods, tools, and hardware or software artifacts that can be used in building sensor based networked embedded systems. We also invite contributions that demonstrate new application possibilities for these systems, their design, and validation tools as well as experiences from the design and deployment of such systems. The track scope includes:

- Embedded system platforms, platform modeling and analysis tools
- Architectural design, modeling, optimization tools for sensor nodes and networks
- Sensor components and interfaces, middleware and system services
- Experiences, including descriptions of successes and failures in the design and deployment of embedded system-platforms.

Existence of an actual platform, device and/or tool, as appropriate, is required for a contribution to be considered in SPOTS. The prospective presenters are asked to submit a manuscript of no more than 6 pages along with a website URL containing any multimedia information related to the contribution. All submissions will be subject to IPSN review standards and guidelines. Submissions selected for presentation at SPOTS will be included as a part of the IPSN conference proceedings.

Selected papers from the conference will be invited to submit to the ACM Transactions on Sensor Networks (<http://www.acm.org/TOSN>)

Abstract Registration

November 19, 2004

Manuscript due

November 26, 2004

Acceptance Notification

January 28, 2005

Camera-ready Copy due

February 25, 2005

Submission instructions at <http://www.ece.wisc.edu/~ipsn05/>