CALL FOR PAPERS

The Fifth International Conference on Information Processing in Sensor Networks (IPSN'06)

April 19-21, 2006 – Nashville, TN, USA

The Fifth International Conference on Information Processing in Sensor Networks (IPSN 2006) will continue the success of the previous four symposia to bring together researchers from academia, industry, and government to present and discuss recent work in sensor network research and applications. IPSN draws upon many disciplines including signal and image processing, information and coding theory, networking and protocols, distributed algorithms, wireless communications, machine learning, embedded systems design, and data bases and information management.

Due to their success, the 2006 IPSN will continue to feature:

• Special track on Platform Tools and Design Methods for Network Embedded Sensors (SPOTS) will present demonstrable advances in components, tools, platforms as well as applications for networked sensor systems.

• Works-in-Progress (WIP) Session. The aim of the shorter, less formal WIP Abstract submission is to facilitate collaborations and to encourage new people to get into the field.

Topics covered in technical sessions include, but are not limited to, the following:

Distributed & collaborative signal processing
Network protocols for sensor networks
Coding, compression, & Information theory
Distributed query processing
Detection, classification, estimation, tracking
Sensor tasking and control
Networked sensing and control
In-network processing and aggregation
Distributed control & actuation
Distributed inference & fusion
Fault tolerance, network coverage, connectivity & longevity
Data storage in sensor networks
Location and time service
Energy and resource management
Programming models and languages
Real-time scheduling
Security
Applications & demonstrations of sensor networks

Important Dates:

IPSN Papers
Abstract Registration: November 4, 2005
Full Manuscript Due: November 11, 2005
Acceptance Notification: January 27, 2006
Camera-ready copy: February 17, 2006

SPOTS Special Track Papers
Abstract Registration: November 11, 2005
Full Manuscript Due: November 15, 2005
Acceptance Notification: January 27, 2006
Camera-ready copy: February 17, 2006

Research Demos
Abstract due date: February 3, 2006
Notification: March 3, 2006
Two-Page Web Abstracts: March 27, 2006

Work-in-Progress (WIP)
Abstract due date: February 24, 2006
Notification: March 10, 2006
Two-Page Web Abstracts: March 27, 2006

Submission Guidelines:

All papers will be submitted electronically, in Portable Document Format (PDF) format. Instructions for submission are available at http://www.cs.virginia.edu/IPSN06/.

Submissions must meet the following criteria:
• A paper must be original material that has not been previously published nor is currently under review by another conference or journal.
• Submitted papers should be no longer than 8 pages in IEEE two-column format for conferences.

Each paper will be reviewed by the Program Committee. Accepted papers will appear in the conference proceedings.