

The 3rd International Symposium on Information Processing in Sensor Networks (IPSN'04)

Sponsored by IEEE Signal Processing Society (pending), ACM SIGBED
in cooperation with IEEE Communication Society and ACM Sigmobility (pending)

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April 26-27, 2004

Berkeley, California, USA

<http://ipsn04.cs.uiuc.edu/>

Submission Deadlines: October 27th, 2003

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Following the success of the first two Workshops (www.parc.com/events/ipsn03), the 3rd International Symposium on Information Processing in Sensor Networks will bring together researchers from academia, industry, and government to present and discuss recent work in this emerging field.

Information processing in sensor networks draws upon many disciplines including signal processing/detection/estimation, networking and protocols, embedded systems, data bases and information management, as well as distributed algorithms. It opens up new research venues, which include sensor tasking and control, tracking and localization, probabilistic reasoning, sensor data fusion, distributed data bases, communication protocols and theory that address network coverage, connectivity, and capacity, as well as system/software architecture and design methodologies. Moreover, all these issues have to consider many cross-cutting requirements such as efficiency/cost tradeoff, robustness, self-organization, fault tolerance, timeliness, scalability, and network longevity.

This Symposium will address issues from physical device design, to signal processing and from networking to coordination protocols. The Symposium will place special attention to revolutionary new applications that are enabled by sensor network technology.

Topical areas of sensor networks include, but not limited to:

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

SUBMISSION GUIDELINES:

All papers will be submitted electronically, in Portable Document Format (PDF) format.

Instructions for submission are available at <http://ipsn04.cs.uiuc.edu/submissions.html>.

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 16 pages in LNCS book format. Please follow the [author instructions](#) available from LNCS.

Each paper will be reviewed by the Program Committee. Accepted papers will appear in the Symposium Proceedings. A subset of selected papers will be forwarded to IEEE Transactions on Wireless Communications for consideration of fast track publication.

KEY DATES:

Paper abstract submission:

October 27, 2003

Full manuscript due:

November 3, 2003 (firm deadline)

Acceptance notification:

January 20, 2004

Camera-ready copy:

February 14, 2004

Conference:

April 26-27, 2004