



Website: <http://www.cse.wustl.edu/ipsn07.html>



Call for Papers

The Sixth International Conference on Information Processing in Sensor Networks (IPSN'07)

April 25 - 27, 2007 – Cambridge (MIT Campus), Massachusetts, USA

IPSN'07 Steering Committee

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Important Dates:

Abstracts Due: Mon, Nov 6th, 2006
 Papers Due: Mon, Nov 13th, 2006
 Acceptance Decision: Mon, Jan 29th, 2007
 Camera Ready: Fri, Feb 23rd, 2007
 Conference: Wed-Fri, Apr. 25-27th, 2007

The sixth International Conference on Information Processing in Sensor Networks (IPSN 2007) will continue the success of previous five 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 databases and information management.

To further foster the collaboration between theory and practice, this conference will feature two interleaving tracks: IPSN, focusing more on information processing algorithms, and SPOTS, focusing on platform tools and design methods for network embedded sensors. In addition, IPSN'07 will feature a competition; details for rules and participation will be announced in the IPSN'07 competition website <http://www.cs.virginia.edu/~whitehouse/ipsn07competition/>.

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

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

Submission Guidelines:

All papers will be submitted electronically, in Portable Document Format (PDF). Instructions for submission will be available at IPSN'07 website: <http://www.cse.wustl.edu/ipsn07.html>.

Submission 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 10 pages in ACM two-column format for conferences.

Each paper will be reviewed by the Technical Programming Committee. Accepted papers will appear in the conference proceedings. Following the IPSN tradition, an accepted paper will be presented either in the single-track session, or in the poster session, depending on its content not its quality.