

The 10th International Conference on Information Processing in Sensor Networks

ORGANIZING COMMITTEE

General Chair:

- Xenofon Koutsoukos, Vanderbilt

TPC Co-chairs (IP Track):

- Koen Langendoen, TU Delft

- Greg Pottie, UCLA

TPC Co-chair (SPOTS Track):

- Vijay Raghunathan, Purdue University

Demos Chair:

- Kamin Whitehouse, UVA

Poster Chair:

- Yunhao Liu, Hong Kong University of Science and Technology

Publicity Chair:

- Ying Zhang, Palo Alto Research Center

Workshop Chair:

- Chenyang Lu, Washington University

Publications Chair:

- Andreas Terzis, JHU

Web Chair:

- Janos Sallai, Vanderbilt

IP PROGRAM COMMITTEE

IP TPC Co-Chairs:

- Koen Langendoen, TU Delft

- Greg Pottie, UCLA

IP TPC:

- Anish Arora, The Ohio State University

- Nirupama Bulusu, Portland State Univ.

- Qing Cao, University of Tennessee

- Peter Corke, Queensland Univ. of Tech.

- Prabal Dutta, University of Michigan

- Carlo Fischione, Royal Inst. of Tech.

- John Fisher III, MIT

- Deepak Ganesan, UMass

- Mikael Johansson, KTH

- Aman Kansal, Microsoft Research

- Bhaskar Krishnamachari, USC

- Santosh Kumar, Univ. of Memphis

- Jie Liu, Microsoft Research

- Miklos Maroti, University of Szeged

- Urbashi Mitra, USC

- Luca Mottola, SICS

- Kannan Ramchandran, UC Berkeley

- Fabio Ramos, University of Sydney

- Utz Roedig, Lancaster University

- Venkatesh Saligrama, Boston Univ.

- Paolo Santi, IIT-CNR

- Andreas Savvides, Yale

- Venugopal Veeravalli, UIUC

- Thiemo Voigt, SICS

- Roger Wattenhofer, ETH Zurich

- Kamin Whitehouse, UVA

SPOTS PROGRAM COMMITTEE

SPOTS TPC Co-Chair:

- Vijay Raghunathan, Purdue University

SPOTS TPC:

- Jan Beutel, ETH Zurich

- Adam Dunkels, SICS

- Dimitrios Lymberopoulos, MSR

- Ralph Kling, Crossbow

- Xiaofan Jiang, MSR Asia

- Thomas Schmid, University of Utah

- Yuvraj Agarwal, UC San Diego

- Bill Kaiser, UC Los Angeles

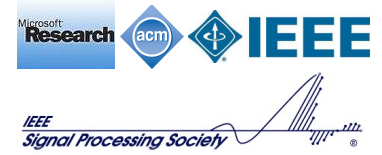
- Raj Rajkumar, CMU

- Pai Chou, UC Irvine

- Mani Srivastava, UCLA



April 12-14, 2011
Chicago, IL, USA
<http://ipsn.acm.org>
Call for Papers



SCOPE

The International Conference on Information Processing in Sensor Networks (IPSN) is a leading, single-track, annual forum on sensor network research. IPSN brings together researchers from academia, industry, and government to present and discuss recent advances in both theoretical and experimental research. Its scope includes signal and image processing, information and coding theory, databases and information management, distributed algorithms, networks and protocols, wireless communications, machine learning, and embedded systems design.

The conference features two interleaved tracks, the Information Processing (IP) track, and the Sensor Platforms, Tools and Design Methods (SPOTS) track. The two tracks have separate program committees to evaluate their submissions. Authors should carefully review the intended foci of these two tracks to decide which track is better suited for their work, and they are encouraged to contact program chairs with questions or clarifications.

The Information Processing (IP) track focuses on algorithms, theory, and systems for information processing using networks of embedded sensors. Topics covered in this track include, but are not limited to:

- Applications and deployment experiences
- Coding, compression and information theory
- Data processing, storage and management
- Detection, classification, and tracking
- Distributed algorithms and reasoning
- Distributed and collaborative signal processing
- Fault tolerance and identification
- Location, time, and other network services
- Security
- Sensor tasking, control, and actuation
- Network health monitoring and management
- Network protocols
- Simulation
- Programming models and languages
- Operating systems and runtime environments

The Sensor Platforms, Tools, and Design Methods (SPOTS) track focuses on new hardware and software architectures, modeling, evaluation, deployment experiences, design methods, implementations, and tools for networked embedded sensor systems. Submissions are expected to refer to specific hardware, software, and implementations. Results focused on the analysis and processing aspects of data collected from deployments should be submitted to the IP track, while details on the hardware and software platforms and tools used in the deployment should be submitted to SPOTS. Topics covered in the SPOTS track include, but are not limited to:

- Novel sensor network components, device platforms and architectures
- Embedded software for sensor networks
- Design tools and methodologies for sensor networks
- System modeling, simulation, measurements, and analysis
- Case studies that describe experiences, highlight challenges, and study/compare the performance of platforms and tools

SUBMISSION GUIDELINES

All papers must be submitted electronically in PDF.

Detailed submission instructions are on the

conference website, <http://ipsn.acm.org/>.

Submissions must meet the following criteria:

- A paper must be original material that has neither been previously published nor is currently under review by another conference or journal.
- A paper should be no longer than 12 pages in ACM two-column conference format.

IPSN is part of CPS Week 2011, which colocates the top five conferences in the research and development of cyber-physical systems: IPSN, RTAS, HSCC, ICCPS and LCTES.

IMPORTANT DATES

Abstract deadline: **Friday, October 22, 2010**

Full papers due: **Friday, October 29, 2010**

Author notification: **Friday, January 21, 2011**

