International Conference on Intelligent Sensors, Sensor Networks & Information Processing (ISSNIP 2008) Sydney, Australia, December 2008

Symposium on Middleware for Sensor Systems (MiSS'08) 15-18, December 2008

Symposium Co-Chairs: Mohan Kumar, The University of Texas at Arlington, USA and Jadwiga Indulska, The University of Queensland, Australia

Important Dates:

Papers due -------------------- **September 15, 2008**
Notification of acceptance ----- **October 15, 2008**
Camera-ready papers due ------ **October 31, 2008**

Call for papers

Introduction: Sensor networks enable us to observe and interact with physical phenomena in real time and allow users to monitor the environment and take appropriate actions. Such pervasive instrumentation will be of great value in a range of applications- security, telemedicine, transportation, crisis management etc. Sensor networks readily extend to monitoring interactions among hardware and software entities in ubiquitous computing environments. The sensor nodes and their network are expected to provide sensory services to applications/users continually and autonomously for long periods. Middleware services facilitate seamless adaptation of sensor systems to meet application requirements and to enhance the usability of sensors and extend their life time. Such services utilize available computing and communicating resources and provide a consistent and uniform view of available resources and distributed services to sensors and applications executing on them.

MiSS'08 will provide a forum for scientists and engineers in academia and industry to exchange and discuss their experiences, new ideas, and research results about the role of middleware in sensor systems. Topics of particular interest include, but are not limited to:

- Information fusion in sensor systems
- Knowledge discovery and decision making mechanisms
- Resource allocation and scheduling
- Middleware support for making sensor systems available and accessible
- Opportunistic communications and computing in sensor systems
- Service creation, composition and maintenance
- Energy conservation
- Distributed algorithms
- Synchronization and coordination
- Sensor selection, placement and localization
- Parallel and distributed processing in sensor systems
- Opportunistic communication and computing in sensor systems
- Context-aware computing and services in sensor systems

Paper Submission:

MiSS'08 invites authors to submit original and unpublished work. Papers must be written in English and should not exceed 8 pages in IEEE proceedings style. Authors should submit a PDF

file that will print on a PostScript printer. The work presented in the paper should be original and not published or submitted elsewhere. Please visit http://www.itee.uq.edu.au/~miss08 for further instructions related to paper submissions. Submission implies the willingness of at least one of the authors to register and present the paper. Accepted papers will be published by the IEEE Computer Society Press.

International Technical Program Committee

Christian Becker, University of Mannheim, Germany
Jiannong Cao, Hong Kong Polytechnic University, Hong Kong
Marco Conti, IIT, CNR, Pisa Italy
Jörg Hähner, University of Hannover, Germany
Wen Hu CSIRO, Brisbane
Yonghe Liu, The University of Texas at Arlington
Seng Loke, LaTrobe University
Andrea Pasarella, IIT, CNR, Pisa Italy
Adrian Pearce, Melbourne University
Hung-Keng Pung, National University of Singapore
Ricky Robinson, NICTA, Brisbane, Australia
Zhijun Wang, Hong Kong Polytechnic University, Hong Kong
Cheng-Zhong Xu, Wayne State University, USA
Albert Zomaya, University of Sydney

Publicity Chair: Ryan Wishart, NICTA, Brisbane, Australia