



# ISSNIP

The Fifth International Conference on Intelligent Sensors, Sensor Networks and Information Processing

## ISSNIP 2009 Call for Papers

The Fifth International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP 2009) held under the umbrella of the ARC Research Network on ISSNIP (<http://www.issnip.unimelb.edu.au/>) is an annual forum for sensor network research. Recent advances in both theory and applications of intelligent sensors and smart systems in diverse areas ranging from manufacturing and defence to medical science and environmental monitoring will be presented by the leading researchers in the field. The conference will be held in Melbourne, Australia during the 7<sup>th</sup> -10<sup>th</sup> of December 2009.

Papers are sought addressing the theory, implementation, and applications of intelligent sensors, sensor networks, and intelligent information processing systems. The papers can be submitted under the following categories.

### Intelligent Sensors

Micro, nanosensors, MEMS and other novel sensor technologies  
Other sensor networks embedded technologies

### Sensor Networks

Sensor Network Security and Intrusion Detection	Sensor Networks in Healthcare
Network Scheduling and Optimization	Environmental Monitoring Using Sensor Networks
Sensor Fusion, Tracking and Localization	Intelligent Transportation System
Protocols in Sensor Networks	Bioinspired Sensor Networks
Multimedia Sensor Network	Large Scale Sensor Network Deployment
Body Area Networks	Other Sensor Network Applications

### Information Processing in Sensor Networks

Coding, Compression and Information Theory	Networked Sensing and Control
Data Processing, Storage and Management	Embedded Software for Sensor Networks
Middleware in Sensor Networks	Sensor Network Signal Processing and Data Modelling
Distributed Information Processing	Energy Efficient Algorithms
Fault Tolerance and Identification	Other sensor information processing topics
Computational Intelligence and Machine Learning in Sensor Networks	

All papers must be submitted electronically through EDAS system and must be original material not currently under review by another conference or journal. Author guidelines are available on the conference website (<http://www.issnip.org/2009/>). All accepted papers will be published in Conference Proceedings published by the IEEE Press. All papers will be peer reviewed and will appear on IEEE Xplore (as with previous ISSNIP conferences). Extended versions of the selected papers will be published as a special issue of a leading journal.

Symposium & Tutorial proposals: Based on previous success, the conference framework will consist of a number of symposiums focussing on particular areas of sensor networks. See the conference website to obtain the proposal guidelines for Symposiums and Tutorials respectively.

### Important Dates:

Advance Paper Submission: 15 June 2009 (To be considered for special issue publication)  
Paper Submission: 30 June 2009  
Notification of Acceptance: 15 August 2009  
Final Paper Submission: 31 August 2009  
Conference Dates: 7-10 December 2009

**Organised by**  
ARC Research Network on Intelligent Sensors, Sensor Networks and Information Processing



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Manuscripts will be made available on

