

SeNAml

1st International Workshop on
Sensor Networks and Ambient Intelligence
In conjunction with PDCAT'08
<http://www.cs.otago.ac.nz/pdcat08>
December 1-4, 2008, Dunedin, New Zealand

Call for Papers

Sensor networks is an enabling technology of Ambient Intelligence. The pervasive nature of unobtrusive sensors distributed in the environment, either embedded or transportable by mobile carriers, enables fine-grain capture of environmental or ambient information that provides the basis of intelligence for higher-order cognitive systems, i.e. systems with capabilities to perceive, reason, learn, and react intelligently to their environment. Such systems in turn are envisioned to have wide ranging applications from intelligent wildlife and building structure monitoring, to humanistic and social endeavours such as health and elderly care service provisioning.

This workshop aims to bring together researchers from academia and industry to discuss recent research and technology advances in related areas, and from such engagement to foster or stimulate innovations in cross-disciplinary designs and methodologies in the fields of both sensor networks and ambient intelligence. Topics of interest include but are not limited to:

- Cognitive wireless sensor networks
- Cooperative and distributed sensor localization
- Context-aware reasoning and inference for sensor/RFID-based systems
- Intelligence support for sensor network management
- Sensor networking in heterogeneous wireless environments
- Sensor data fusion for ubiquitous embedded computing
- Ambient intelligence system architectures, applications, and services
- Testbed implementation and experimental trials

Manuscript submission

Papers reporting original and unpublished research results and experience are solicited. All paper submissions will be handled electronically via EasyChair. Please follow the IEEE Computer Society Press Proceedings Author Guidelines to prepare your papers. Maximum page length of accepted papers will be limited to 6 pages with main body text printed on 10 point font. All accepted papers will be included in conference proceedings of PDCAT'08, which will be published by IEEE Computer Society Press and automatically included in the IEEE Xplore digital library. The proceedings will also be cited by Engineering Information (EI).

Selected best papers would be considered for publication in a special issue of the *International Journal of Autonomous and Adaptive Communication Systems*.

Important dates

Paper submission due : July 21, 2008 (extended)
Acceptance notification : August 25, 2008
Camera-ready due : September 1, 2008
Workshop date : TBA

For further details, please visit: <http://senami08.aut.ac.nz>