

SeNAml

2nd International Workshop on
Sensor Networks and Ambient Intelligence
In conjunction with PDCAT'09
<http://www.cs.hiroshima-u.ac.jp/pdcat09/>
December 8-11, 2009, Hiroshima, Japan

Call for Papers

Sensors are windows to the physical world for ambient intelligence (Aml) applications. The recent emergence of networked sensors as a result of rapid advances in sensor technologies and wireless networks, have set the stage for the realization of smart environments where unobtrusive sensors, 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.

Following the success of the first SeNAml at PDCAT 2008 in Dunedin, New Zealand, this workshop once again aims to bring together researchers from academia and industry to present and discuss recent trends and advances in sensor networks and ambient intelligence, and from such engagement foster innovations towards technology maturity of sensor-based ambient intelligence systems. Topics of interest include but are not limited to:

- Cognitive wireless sensor networks
- Cooperative sensor localization and target tracking
- Context-aware reasoning and inference for sensor/RFID-based systems
- Cross-layer design and optimization of sensor-based Aml systems
- Intelligent agents for autonomous sensor network management
- Sensor networking in heterogeneous wireless environments
- Sensor data fusion for ubiquitous embedded computing
- Security, trust, and privacy for autonomous smart spaces
- Nature or bio-inspired designs for ambient sensing and intelligence
- Aml architectures, platforms, applications, and services
- Prototype or testbed implementation and deployment 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Papers reporting original and unpublished research results and experience are solicited.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 proceedings guidelines to prepare your papers. Maximum page length will be limited to 6 pages. Accepted papers will be included in the conference proceedings of PDCAT'09, which will be published by IEEE Computer Society and automatically included in the IEEE Xplore digital library. The proceedings will also be cited by IEE INSPEC, EI (Compendex), and Thomson ISI. Extended version of selected best papers will be considered for publication in a refereed international journal (TBA).

Important dates

Paper submission due : July 1, 2009
Acceptance notification : August 10, 2009
Camera-ready due : September 1, 2009
Workshop date : TBA

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