

SeNAml 2010

3rd International Workshop on Sensor Networks and Ambient Intelligence
In conjunction with IEEE/IFIP EUC'10: <http://www.euc2010.org>
December 11-13, 2010, Hong Kong SAR, China

Call for Papers

Advances in low-cost embedded processors and wireless communications have fuelled the recent intense development of sensor networks, which has potential to offer unobtrusive and transparent personal and ambient sensing infrastructures that are vital to the creation of the envisioned ubiquitous computing fabric for ambient intelligence (Aml).

The continued miniaturization and integration of sensors at unprecedented scale and density into our everyday objects and environments would soon enable the fine-grain capture of personal and ambient context information that provides the basis of intelligence for higher-order cognitive systems, i.e. systems with the ability to perceive, reason, learn, and react intelligently to their environments in order to make the most appropriate decisions or to take the best actions that concern the humans at the centre of their support or care.

Following the success of the inaugural SeNAml workshop in Dunedin, New Zealand in 2008, and the second SeNAml workshop in Hiroshima, Japan, in 2009, this event 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 Aml systems and applications.

Topics of interest include but are not limited to:

- Cognitive wireless sensor networks
- Sensor networking with context and ambient awareness
- Nature or bio-inspired designs for ambient sensing and intelligence
- Cross-layer design and optimization of sensor-based Aml systems
- Reasoning and inference for sensor/RFID-based systems
- Multi-modal sensor fusion for smart environments
- Cyber-physical systems for human-centric applications
- Ambient energy harvesting and energy-efficiency issues for sensor networks
- Sensor or sensor-embedded object localization and target tracking
- Cooperative in-network sensor information processing
- Intelligent and mobile agents for embedded ubiquitous computing
- Sensor networking in heterogeneous environments
- Privacy, security, and trust management
- Aml architectures, platforms, applications, and services
- Prototypes, testbeds, and real-world deployments

Important Dates

Paper submission due : July 15, 2010
Acceptance notification : September 10, 2010
Camera-ready due : October 10, 2010
Workshop date : TBA

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 may be limited to 6 pages. Accepted papers will be included in the conference proceedings of IEEE/IFIP EUC'10, which will be published by IEEE Computer Society and archived in the IEEE Xplore digital library.

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