

International Journal of Smart Home (IJSH)

Call for Papers

Special Issue on

Pervasive Technology and Applications in Smart Home Environments

<http://www.sersc.org/journals/IJSH/>

Smart Home (SH) Environments have been the important and challenging testbed for pervasive and ubiquitous computing. Pervasive technologies ranging from smart sensors/devices, middleware, context-awareness, human computer interaction, security/privacy/trust, service discovery and management have been developed and evaluated in various smart homes, pervasive applications such as home automation, energy management, e-learning, healthcare, elderly care, remote diagnosis and monitoring, virtual shopping, network gaming, VoIP and Video on Demand have been deployed in smart homes worldwide.

The objective of this special issue is to foster the dissemination of state-of-the-art research in the area of how pervasive technology and applications have been deployed in the SH environments. The special issue papers are expected to present the up-to-date research results in deploying pervasive technologies and applications in smart homes. In addition, we expect that they will stimulate further research and development of innovative services and solutions in smart homes. The topics for this special issue include but not limited to the following:

Topics

- Smart Sensor/Devices and Device Management
- Residential Gateway and Home Networking
- Embedded Systems for SH
- Middleware and Network Protocols
- Context Awareness for Smart Home Services
- Frameworks for Associating AI and Data Mining with SH
- Wireless Sensor Networks (WSN) / RFID Application for SH
- User and Environment Perception in SH
- Knowledge Acquisition, Engineering, Discovery and Representation
- Human Environment Interaction

- Security, Privacy and Trust for SH
- Service-Oriented Architecture and Service Management
- Smart Home Applications and Services
- Novel Approaches and Solutions for SH

Important Dates

- Manuscript Due: Jan. 31, 2009
- Notification of acceptance: March 31, 2009
- Camera-ready paper due date: April 30, 2009
- Publication date: 3rd Quarter, 2009

Submission & Review Instruction

Paper submissions must conform to the layout, format and page limit guidelines of the International Journal of Smart Home. Instructions for contributors are in: <http://www.sersc.org/journals/IJSH/>. In addition to the selected papers from SH 08, regular papers are welcome. Submissions must be directly sent via email to all the Guest Editors.

Guest Editors:

- **Dr. Daqing Zhang:** Institut TELECOM - TELECOM & Management SudParis, France. Email: Daqing.Zhang@int-edu.eu
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