

Call for Papers
Journal of Ambient Intelligence and Smart Environments (JAISE)
Thematic Issue on Smart Homes

<http://www.iospress.nl/loadtop/load.php?isbn=18761364>

SCOPE: This special issue addresses Smart Homes, a phrase that describes domestic living environments fitted with network based sensors, actuators and other appliances which can coordinate their actions to offer new types of holistic system behaviour which are often labelled "smart" or "intelligent". The term smart homes is frequently synonymise with other phrases such as digital homes, networked homes and intelligent buildings, as all these terms describe systems of interconnected embedded-computers which are capable of local, remote and collective management. This holistic networked behaviour can be orchestrated by agents, people, or both. Typical applications include energy efficient homes, medical or care homes, safe or secure homes or simply enhancing the home's entertainment or communication services. The realisation of smart homes requires the convergence of different disciplines ranging, for example, from computer science, through architecture to sociology.

We solicit original papers that apply techniques, such as those listed below, to the development of smart-homes:

- * Ambient Intelligence, Ubiquitous Computing & Pervasive Computing
- * Intelligent Agents
- * End-User Programming
- * Context Aware Systems
- * Human-Computer Interaction
- * Virtual, Simulated, or Emulated Environments
- * Domestic Robotic systems
- * Architectural , Microelectronics, hardware, sensors and actuators
- * Middleware, Networking and Communications
- * Service and Application Design
- * Theoretical and Formal methods
- * Prototyping, Development, Testing & Evaluation Techniques
- * Social, Legal, Ethical, Cultural, Art or Design aspects
- * Applications of smart homes (health monitoring/assistance, energy efficiency, etc.)

Submissions that use experimental data derived from real or simulated smart-home test-beds are especially encouraged.

SUBMISSION: Papers should be of 12 pages or longer and adhere to the guidelines given on <http://www.mstracker.com/submit1.php?ic=jaise>

When submitting, authors should highlight that the submission is for this particular Thematic Issue.

IMPORTANT DATES: Submission of papers: Friday 4th December, 2009.

GUEST EDITORS:

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