



## Information Systems Frontiers:

(<http://www.som.buffalo.edu/isinterface/ISFrontiers/>)

(online version at - <http://www.springerlink.com/content/1387-3326>)

### **Special Issue on Ambient Intelligence**

Ambient intelligent (AmI) systems provide comprehensive solutions to our continuously evolving lifestyle needs by being context aware, adaptive, anticipatory and seamlessly embedded in our surroundings. Many disciplines and technologies, involved in the development of AmI systems, have been addressed in recent years in conferences, journals and text books. The goal of this special issue is to identify and highlight some of the major developments and challenges in a number of enabling technologies and their crucial role in the realization of meaningful AmI systems and applications.

Examples of topics that would be relevant to this issue include:

- Wearable communication devices and systems
- Highly reliable wireless connectivity for indoor and outdoor AmI systems
- Cognitive systems in AmI
- Extreme low power solutions in AmI
- Ubiquitous power for unlimited life AmI devices
- Smart sensors – Autonomous intelligent systems
- Healthcare devices and AmI for assisted living for the elderly and handicapped
- Internet of things and AmI
- Simple user interfaces and AmI systems
- AmI technologies for a sustainable world
- Nanotechnologies and AmI applications
- Smart and conformable surfaces
- Lighting controls
- Man-machine interaction technologies.

### **Important Dates**

15 December 2007 Deadline for submissions to the special issue

30 March 2008 Notification of acceptance

30 April 2008 Deadline for camera-ready papers

Late 2008 Publication

## **Submission Instructions**

Manuscripts must be submitted electronically in Microsoft Word or PDF format no later than December 15, 2007 to <http://www.editorialmanager.com/isfi/> (please specify: "For Special issue on Ambient Intelligence" in the submission) Manuscripts should be within 34 pages long, double space, including references. More information for manuscript style can be found at Springer's website ([www.springer.com/sgw/cda/frontpage/0,11855,4-170-70-35673075-0,00.html](http://www.springer.com/sgw/cda/frontpage/0,11855,4-170-70-35673075-0,00.html)). Manuscripts must not have been previously published or currently submitted for journal publication elsewhere. All submissions will be peer reviewed.

### Guest Editors:

- Satyen Mukherjee, *Chief Scientist and Senior Director Research Strategy, Philips North America, NY*
- Emile Aarts, *Vice President and Scientific Program Director, Eindhoven, The Netherlands*
- Terry Doyle, *Technology Programme Manager, Managing Director, Philips Research, UK*