

## Special Issue on Distributed Solutions for Ubiquitous Computing and Ambient Intelligence

Advances in computing and wireless communication have allowed the development of novel distributed computing methods, middleware and applications that support ubiquitous and ambient intelligence systems. With this in mind, this special issue of *Future Generation Computer Systems* aims to explore the recent state-of-the-art developments in theory and application of distributed solutions to support the design, implementation and evaluation of these system types. Conceptual and theoretical frameworks, empirical research and case studies on distributed solutions applied to ambient intelligence and ubiquitous systems are encouraged. Contributed papers may deal with, but are not limited to:

- Grid and Cloud Computing methods and middleware for Ambient Assisted Living (AAL) and Ubiquitous Computing (UbiComp);
- Grid and Cloud-based solutions for data/people monitoring;
- Mobile ad hoc networks and wireless sensor networks for UbiComp;
- Collaborative systems for AAL and AmI;
- UbiComp, AmI and AAL solutions applied to strategic application domains such as transportation, tourism, healthcare and entertainment;
- Design languages and techniques to model distributed solutions;
- Distributed context awareness methods and frameworks;
- Distributed sensing techniques;
- Distributed massive data analysis and fusion methods and applications for AmI;
- Distributed architectures for extracting and normalizing unstructured data from social networks;
- Modeling, reasoning and mining Linked Data about Ubiquitous Environments (Smart Cities);
- Service architectures based on the Cloud and Internet of Things (IoT) paradigms for AmI.

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### Submission Requirements

Authors are encouraged to submit high-quality, original work, that has neither appeared in, nor is under consideration by, other journals. Concerning on the manuscript preparation, please check the *Guide for Authors*: [http://www.elsevier.com/wps/find/journaldescription.cws\\_home/505611/authorinstructions](http://www.elsevier.com/wps/find/journaldescription.cws_home/505611/authorinstructions)

### Instructions for Submission

Manuscripts need to be submitted by **February 11th, 2013**. To ensure that all manuscripts are correctly identified for inclusion into the special issue, authors will need to select “Dist-Solut-for-UCAmI” when you reach the “Article Type” step in the submission process. The submission Web site for this journal is located at: <http://ees.elsevier.com/fgcs/>

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