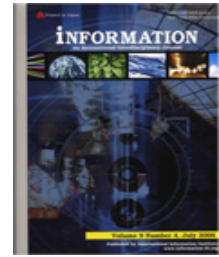


INFORMATION (International Information Institute)

[Special issue]

Advanced Information Technologies for Human-centric and Embedded Computing.



Introduction

Recent advances in networking and communications technologies have brought the paradigm shift from desktop-based computing to ubiquitous computing. In ubiquitous computing that provides computing services at anytime, anywhere, pervasive computing and mobile and embedded computing are important topics. In particular, ubiquitous computing provides computing for all someone "using" ubiquitous computing is not only experts but also the general public. In such an environment, understanding humans is on the front burner, and machines should fit the human environment instead of forcing humans to fit theirs. That is, human-centered computing that studies human interaction with information technologies to make the use of these technologies more usable and accessible becomes increasingly important. In this special issue, we invite quality, original submissions that address topics on human-centered computing and embedded computing. This special issue will provide a great opportunity to discuss issues related to the ubiquitous computing paradigm.

Topics

Topics of interest include, but are not limited to:

- Human-computer interaction and human-centered evaluation
- Pervasive computing and communications
- Ubiquitous computing and mobile systems
- Behavior of software, services and networks
- Fault tolerant system
- Cyber physical system
- Ad hoc, sensor, and mesh networks
- Real-time systems and operating system
- Embedded system architecture
- Privacy and Security Issues
- Multi-user interaction analysis
- Interactive machine learning
- Vision-based interfaces and applications
- Audio, speech recognition and synthesis
- U-health technologies
- Smart phone applications

Submission Details

While preparing a manuscript, please refer to the "Submission and Subscription" as provided in the Information Journal website: http://www.information-iii.org/information_journal.html. Authors are requested to submit their papers electronically to the corresponding guest editor Sang Oh Park (pc.sopark@gmail.com) include the journal title (Information-SI) in the subject line. All papers will be rigorously reviewed based on originality, high scientific quality, organization & relevance to this special issue.

Important Dates (Tentative)

Submission of papers: September 30, 2012
First-round acceptance notification: October 31, 2012
Revision: November 30, 2012

Final decision: December 31, 2012
Publication of special issue: 3Q/4Q in 2013

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