Mobiquitous 2007
August 6-10, 2007, Philadelphia, PA

The Fourth Annual International Conference on
Mobile and Ubiquitous Systems: Computing, Networking and Services

http://www.mobiquitous.org

August 6 – 10, 2007 ● Philadelphia, Pennsylvania, USA

In Cooperation with ACM SIGMOBILE

Technical-sponsored by IEEE and IEEE Computer Society

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Important Dates

Paper Registration:
March 13, 2007

Paper submission:
March 20, 2007

Notification of acceptance:
May 4, 2007

Camera-ready version due:
June 4, 2007

The combination of mobile and ubiquitous computing is emerging as a promising new paradigm. Through the use of mobile devices and devices embedded in the surrounding physical environments, users can be provided transparent computing and communication services at all times and in all places. The complexity of providing such services stems from the fact that the communication devices and the objects with which they interact may both be mobile. The implementation of such a paradigm requires advances in wireless network technologies and devices, development of infrastructures supporting cognitive environments, discovery and identification of ubiquitous computing applications and services, and an understanding of the cross-layer interactions between all of these components. The Fourth Annual International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (Mobiquitous-07) will provide a forum where practitioners and researchers coming from many areas involved in ubiquitous solutions, design and deployment will be able to interact and exchange experiences needed to build successful ubiquitous systems. Areas addressed by the conference include applications, service-oriented computing, middleware, networking, agents, data management and services, all with special focus on mobility and ubiquitous computing. The conference publications will be considered for inclusion in the following places: IEEE Xplore, SCI/ISI Web of Knowledge, Inspec, EI(Elsevier)/Scopus, DBLP, Directory of Published Proceedings (InterDok), The Collection of Computer Science Bibliographies(CSB), EBSCO, British Library, American Mathematical Society (AMS), Crossref, German National Library of Science and Technology.

PAPERS: Technical papers describing original, previously unpublished research, not currently under review by another conference or journal, are solicited. Technical papers clearly identifying how the specific contributions fit to an overall working solution are particularly of interest. Topics include, but are not limited to, the following feature topics as applied to mobile and ubiquitous environments:

- **Ubiquitous architectures, systems and applications**
- **Wearable computing and personal area networks**
- **Wireless technologies for mobile and ubiquitous (Bluetooth, ZigBee, 802.15.x, WiFi)**
- **Wireless Internet access in ubiquitous systems**
- **Ad hoc and sensor networks support for ubiquitous computing**
- **Reconfigurability and personalization of wireless networks**
- **Wireless/mobile service management and delivery**
- **Security, privacy and social issues of mobile and ubiquitous systems**
- **Service and knowledge discovery, matching and composition mechanisms**
- **Location-based services and tracking in ubiquitous environments**

- **Context- and location-aware applications**
- **Agent technologies in ubiquitous, wearable, and mobile systems**
- **Context modeling, services and frameworks**
- **Toolkits, testbeds, development environments, and languages for ubiquitous computing**
- **Rapid prototyping of ubiquitous applications**
- **Ontologies for mobile and ubiquitous computing**
- **Mobile and ubiquitous data management and processing**
- **Data replication, migration and dissemination in ubiquitous environments**
- **Queries, transactions and workflows in mobile and ubiquitous environments**
- **Multimodal interfaces (speech, video kinetic, tactile)**

SUBMISSION INSTRUCTIONS: All paper submissions will be handled electronically (see the conference web page for details). Authors should prepare an Adobe Acrobat PDF version of their full paper. Papers must not exceed 8 pages double column (US Letter size, 8.5 x 11 inches) including text, figures and references. The font size must be at least 10 points.

PUBLICATION: All submitted papers will be rigorously reviewed by the international technical program committee. Accepted papers will be published in the conference proceedings. Papers of particular merit will be proposed for publication in the ACM/Kluwer Mobile Networks and Applications (MONET) journal.

WORKSHOPS: Several workshops will be run in conjunction with the conference. The purpose of these workshops is to discuss work in progress and explore opportunities for new research related to mobile and ubiquitous systems: computing, networking and services. Proposals for workshops should be at most four pages in length and should be submitted to Dr. Suman Banerjee (suman at cs.wisc.edu) by February 1, 2007.