

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

<http://www.mobiquitous.org>

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In Cooperation with ACM SIGMOBILE



Pending Sponsorship: IEEE Computer Society

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The combination of mobile and ubiquitous computing is emerging as a promising new paradigm with the goal to provide computing and communication services all the time, everywhere, transparently and invisibly to the user, using devices embedded in the surrounding physical environment. In this context, the communication devices, the objects with which they interact, or both may be mobile. The implementation of such a paradigm requires advances in wireless network technologies and devices, development of infrastructures supporting cognitive environments, and discovery and identification of ubiquitous computing applications and services. The Third Annual International Conference on Mobile and Ubiquitous Systems: networking and services (Mobiquitous-06) will cover all these aspects, providing a forum where practitioners and researchers coming from the many areas involved in ubiquitous solutions design and deployment will be able to interact exchanging the cross-layer experiences needed to build the overall 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.

PAPERS: Technical papers describing original, previously unpublished research, not currently under review by another conference or journal, are solicited. The conference is interested in contributions addressing all the areas associated with mobile and ubiquitous architectures, infrastructure, data and services. 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:

- Ubiquitous architectures and systems
- Wearable computing and personal area networks
- Wireless technologies for mobile and ubiquitous (Bluetooth, ZigBee, 802.15.x, WiFi)
- Wireless Internet access in ubiquitous systems
- Reconfigurability and personalization of wireless networks
- Service discovery mechanisms, knowledge discovery, matching and composition mechanisms
- Wireless/mobile service management and delivery
- Security, privacy and social issues of mobile and ubiquitous systems
- Peer-to-peer computing and networking
- Emerging industrial/business/scientific scenarios
- Multimodal interfaces (speech, video kinetic, tactile)
- Adaptive and customizable user interfaces
- Smart spaces
- Ad hoc and sensor networks
- Location-based services and tracking
- Context and location aware application
- Multimedia encoding and transcoding
- Middleware services
- Agent technologies in ubiquitous, wearable, and mobile systems
- Hardware and software platforms for ubiquitous systems, and testbeds
- Context modeling, services and frameworks
- Toolkits, development environments, and languages for ubiquitous computing
- Rapid prototyping of ubiquitous applications
- Ontologies for mobile and ubiquitous computing
- Mobile and ubiquitous data management

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. The deadline for submitting the actual paper is March 6, 2006. All deadlines are 11:59PM PST.

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: Four workshops will be run in conjunction with the conference. Please see the web site for more information.

DEMOS: Proposals for research and industrial demos are solicited. A maximum of 3 pages should be submitted which include a description of the demo and needed equipment. Proposals should be submitted to the Demo Chair by May 1, 2006.

Important Dates

Paper submission (EXTENDED):
March 6, 2006

Notification of acceptance:
April 21, 2006

Camera-ready version due:
May 22, 2006