ICST
MobiQuitous 2008
July 21st – 25th, 2008, Dublin, Ireland

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

http://www.mobiquitous.org

CREATE-NET   sigmobile   acm

Combinations of mobile and ubiquitous computing are becoming increasingly present in our daily life. Through the use of mobile devices embedded in the surrounding physical environment, users can be provided with 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. Their implementation 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 Fifth Annual International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous 2008) 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 systems, 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PAPERS: Technical papers describing original, previously unpublished research, not currently under review by another conference or journal, are solicited. Technical papers clearly identifying how the specific contributions fit to an overall working system are particularly of interest. Topics include, but are not limited to, the following:

- **Ubiquitous architectures, systems and applications**
- **Wearable computing and personal area networks**
- **Wireless technologies (Bluetooth, ZigBee, 802.15.x, WiFi, WiMAX)**
- **Wireless Internet access in ubiquitous systems**
- **Ad hoc and sensor network 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: Paper submission 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 10 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. Proposals for workshops should be at most four pages in length and should be submitted to the conference chair by March 1, 2008.

General Chair
Vinny Cahill
Trinity College Dublin, Ireland

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Create-Net

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Trinity College Dublin, Ireland

Ichiro Satoh
National Institute of Informatics, Japan

Important Dates

Workshop Proposals:
March 1, 2008

Paper Registration:
March 8, 2008

Paper submission:
March 15, 2008

Notification of acceptance:
May 4, 2008

Camera-ready version due:
May 18, 2008