

Call for Paper

First International Workshop on Broadband and Wireless Computing, Communication and Applications (BWCCA-2006)

In conjunction with iiWAS-2006 and MoMM-2006

<http://www.csc.lsu.edu/~durresti/BWCCA-2006/>

Theme:

Communication networks of today are going through a rapid evolution. Different kinds of networks with different characteristics are emerging and they are integrating in heterogeneous networks. For these reasons, there are many interconnection problems which may occur at different levels in the hardware and software design of communicating entities and communication networks. These kinds of networks need to manage an increasing usage demand, provide support for a significant number of services, guarantee their QoS, and optimize the utilization of network resources. Therefore, architectures and algorithms in these networks become very complex and it seems imperative to focus on new models and methods as well as mechanisms, which can enable the network to perform adaptive behaviors.

The success of all-IP networking and wireless technology has changed the ways of living for the people around the world. The progress of electronic integration and wireless communications is going to pave the way to offer people the access to the wireless networks on the fly, based on which all electronic devices will be able to exchange the information with each other whenever necessary. Also, ubiquitous computing is an emerging field of research for computing paradigms in the 21st century. This emergence is the natural result of research and technological advances mainly in wireless communications, mobile computing and agent technologies. Supported by recent technological advances in low power wireless communications along with silicon integration of various functionalities such as sensing, communications, intelligence and actuations, ad-hoc networks and sensor networks are emerging as a critically important disruptive computer class based on a new platform, networking structure and interface that enable novel, low cost, high volume applications such as nuclear, biological and chemical attack detection and protection, home automation, battlefield surveillance and environmental monitoring.

The aim of this workshop is to present the innovative researches, and technologies as well as developments related to broadband networking, mobile networking and wireless communications. The workshop seeks original contributions in all relevant areas, including but not limited to the following topics.

Topics:

- Broadband Networks Applications
- High-speed Network Protocols
- Routing Algorithms
- Congestion Control
- Multimedia Communication and Applications
- WDM Networks
- Parallel and Distributed Algorithms
- P2P Systems
- Wireless Communication Protocols
- Wireless Communication Systems and Applications

- Wireless Networks Modeling
- Wireless Positioning and Tracking Systems
- Ubiquitous Computing Applications
- Lower Power Mobile Devices
- Mobile Ad Hoc Networking
- Mobile Agent Framework
- Mobility and Location Management
- Mobile Networking Applications
- Wireless Ad Hoc Networks
- Wireless Sensor Networks
- Wireless Ubiquitous Networks
- Network Security and Privacy
- Web Applications

Important Dates:

Submission due date: August 31, 2006
Notification of acceptance: September 30, 2006
Camera-ready paper due date: October 15, 2006
Workshop Dates: December 4-6, 2006

Submission Guidelines

The length of the paper should not exceed 10 pages. Papers must be formatted according to the guidelines of the Austrian Computer Society (to be found at <http://www.ocg.at/activities/books/Richtlinien.pdf>) Submitted papers will be carefully evaluated based on originality, significance, technical soundness, and clarity of exposition. The papers should be submitted to Workshop Co-Chair Leonard Barolli (barolli@fit.ac.jp).

For any further questions or inquiries please contact Workshop Co-Chairs or PC-Chair:

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Runhe Huang, Hosei University, Japan
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