



The Fifteenth Wireless and Optical Communications Conference

Keynote Speakers

Yuefeng Ji, Beijing University of Posts and Telecommunications
Jing Wang, Tshing-Hua University
Shaoqian Li, University of Electronic Science and Technology of China
James Hwang, Leigh University
Kevin Lu, Telcordia Technologies
Tung-Ching Chiang, Lucent Technologies

Organizers

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Yunhe Pan, Zhejiang University

Conference Chair:

Qi Bi, Lucent Technologies

Chun Chen, Zhejiang University

Conference Co-Chair:

Yunfei Guo, Information Engineering University

Zhaohui Wu, Zhejiang University

Shuang Yu, Lucent Technologies

Program Chair:

Zhengyu Huang, Vice President, RSoft Design Group

Wei Luo, Senior System Scientist, Broadcom

Ching-Yung Lin, IBM T. J. Watson Research Center

Ping Zhang, Beijing University of Posts and Telecommunications

Weisheng Hu, Shanghai Jiao Tong University

Hongyi Yu, Information Engineering University of PLA

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Jian Wu, Zhejiang University

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Ming Yu, State U. of NY at Binghamton

Liji Wu, Tsinghua Shanghai Microelectronics Center

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Hongya Ge, New Jersey Institute of Technology

Heather Yu, Panasonic

Kang Yueh, Crown Castle International

Local Organization Committee Members:

Hui Zhu, Zhejiang University

Lieping Peng, Zhejiang University

Call For Papers

The Wireless and Optical Communications Conference has established itself as a prime international conference on multimedia, optical, and wireless communications technologies. To continue with this tradition, the fifteenth WOCC conference (WOCC2006) will provide a forum for researchers, technical experts and business leaders from the North America and Pacific Rim to share their research or experience and discuss business opportunities. WOCC2006 will be held in Hangzhou, China, Oct. 12-13, 2006.

WOCC2006 continues the theme of WOCC2005 in Convergent Communications over public mobile wireless networks, public fixed broadband wire line networks, and private customer premises networks. The integration of these three networks is the focus of a new next-generation network (NGN) providing convergent user-centric services that are no longer associated with the types of network access or content media. Instead, these convergent user-centric services will offer seamless delivery of multimedia applications including voice, data, image, and streaming video independent of any access technologies. The transport layer protocol is converging on Internet Protocol (IP) that propelled the growth of World Wide Web (WWW). The network and service providers will need to deploy standard-compliant converged networks and offer these new value-added services to save operational cost and grow their revenue. Convergent Communications can truly be considered as the enabler for the next phase of growth for the telecommunication industry.

The conference organizers seek contributions of high quality papers addressing various aspects of wireless networking, intelligent multimedia, optical communications, semantic web services and applications, for presentation at the conference and publication in the conference proceedings.

Topics

Topics of interest include, but are not limited to, the following:

Wireless networking

- Management Resource and Information Management
 - Convergence of Fixed and Mobile Hybrid Communications System
 - Open Wireless Architecture (OWA)
 - Mobile/Wireless Networks Modeling and Simulation
 - Low-Power End-Devices and Wireless Communications
 - Security in Mobile and Wireless Networks
 - Analysis and Simulation of Mobile Network Protocols
 - Sensor Network Planning and Deployment
 - Wireless LAN/PAN
 - Location-based Services and Positioning
 - Mobile and Wireless Applications
- ### Intelligent Multimedia
- Context-aware multimedia communications
 - Peer-to-peer streaming
 - Multimedia content distribution
 - Adaptive support for scalable media
 - Multimedia servers, operating systems, middleware

Optical Communications

- Optical network planning, design and modeling
 - Optical access/metro networks
 - Photonic switching system architectures and Network Elements
 - Optical Transmission Technologies and Systems
 - Optical passive components and devices
 - Optical active components and devices
 - Optical network protection and restoration
 - Optical network demonstrations, test beds and field trials
- ### Semantic Web Services
- Multimedia applications using Semantic Web Services
 - Semantic Web Services discovery & selection
 - Semantic Web Service composition, orchestration, and choreography
 - Customization of Semantic Web Services
 - Semantic Web Services architecture
 - Semantic Web Services negotiation & agreement

Important Dates

Research paper abstracts:	01 April 2006
Full research papers:	15 April 2006
Industrial papers:	15 April 2006
Notification:	15 June 2006
Tutorial proposals:	20 June 2006
Panel proposals:	27 June 2006
Demonstrations:	03 July 2006
Camera-ready:	15 July 2006

Submission Guidelines (Research papers)

Paper submission will be electronic through the WOCC2006 Web site (<http://www.wocc2006.org/PaperSub>). Authors are required to submit a paper title and short abstract (about 100 words) before submitting the paper. Papers should be submitted in IEEE format as DOC or PDF files and may not exceed 8 pages. Papers not conforming to the above requirements concerning format and length may be rejected without further consideration. All submitted manuscripts will be peer-reviewed by at least 3 program committee members. Accepted papers will appear in the conference proceedings in both hardcopy and online version published by the IEEE Computer Society. The conference proceeding will be indexed by EI. Extended versions of selected best papers published in the WOCC2006 will be invited for publication in an international Journal. At least one author of each accepted paper is required to register to the conference and present the paper.