WOCC 2009

WIRELESS & OPTICAL COMMUNICATIONS CONFERENCE

The Eighteenth Wireless and Optical Communications Conference

May 1 – 2, 2009, NJIT, Newark, New Jersey, USA

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Conference Organizer
   Yu-Dong Yao, Stevens
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   Jane Luo, Qualcomm
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   Ben Tang, AT&T
Optical Symposium:
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   Xiang Liu, Alcatel-Lucent
Multimedia Symposium:
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Co-Sponsoring Associations
   • Chinese American Academic and Professional Society
   • Chinese Association of Science and Technology
   • Chinese Institute of Engineers
   • IEEE Communications Society
   • IEEE Northern Jersey Section
   • Monte Jade Science and Technology Association
   • Photonics Society of Chinese Americans

The eighteenth Annual Wireless and Optical Communications Conference (WOCC) will bring together technical experts and business leaders from the North America and Pacific Rim to discuss multimedia, optical, and wireless communications technologies and business opportunities. The theme of WOCC 2009 is **Converging Broadband Communications** over public mobile wireless networks, public fixed broadband wireline networks, and private customer premises networks. The integration of these three networks is the focus of a new next-generation network 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 that propelled the growth of the world wide web. 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.

High quality presentations and papers are solicited in the areas of wireless networking, intelligent multimedia, optical communications, and network solutions. The conference consists of four symposiums, with topics including, but not limited to, the following:

Wireless Symposium
- Wide-area and fixed wireless communications
- Wireless LAN/PAN
- Convergence of fixed and mobile hybrid communication system
- Low-power mobile end-devices and system-on-chip
- Security in mobile and wireless networks
- Sensor network and distributed mobile computing
- Location-based services and positioning
- Mobile and wireless applications
- Fundamental research in mobile and wireless communications

Networks Symposium
- Convergence architectures and solutions
- Migration to NGN and mobile broadband
- Network planning, design methods and tools
- Position of new technologies in the network

Optical Symposium
- Optical network planning, designing, and modeling
- Optical access/metro networks
- Photonic switching system architectures and network elements
- Optical passive/active components and devices
- Optical network protection and restoration
- Optical network applications

Multimedia Symposium
- Multimedia indexing and search
- Semantic-based multimedia analysis
- Multimedia database
- Multimedia content personalization
- Multimedia content distribution
- Peer-to-peer multimedia
- IPTV technologies and services
- Security of multimedia data
- QoS for multimedia applications

Submission Deadline: **February 1, 2009**
Notification: **March 15, 2009**

Submit the abstract/bio in Microsoft Word to one of the symposium chairs:

- **Wireless:** Guangying Li, gli@alcatel-lucent.com
- **Networks:** Zhuangbo Tang, z.bo.tang@jhuapl.edu
- **Optical:** Angela Chiu, chiu@research.att.com
- **Multimedia:** Zhu Liu, zliu@research.att.com

Please refer to www.wocc.org for the abstract/bio template and additional info.