



The 22nd Wireless and Optical Communication Conference (WOCC 2013)

May 16-18, 2013, Chongqing, China



Honorary Co-Chairs:

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Tingye Li, AT&T Bell Labs
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TPC Co-Chairs:

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Wireless Symposium:

Xiaofeng Tao, BUPT
Jian Tang, Syracuse Univ.

Optical Symposium:

Weisheng Hu, SJTU
Fei Zhu, Huawei USA

Networks Symposium:

Mingwei Xu, Tsinghua Univ.
Weiyi Zhang, AT&T Labs

Multimedia Symposium:

Xiaodong Li, CAS
Yuqing Gao, IBM USA

Security Symposium:

Zhong Chen, Peking Univ.
Jianping Wang, City Univ. HK

Publicity Co-Chairs:

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International Advisory Committee:

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The 22nd Annual Wireless and Optical Communications Conference (WOCC 2013) will provide a unique opportunity to explore the leading areas of multimedia, optical, and wireless communications technologies and business opportunities.

Original technical papers are solicited on the topics including, but not limited to, the following:

Wireless Symposium

- 3G/4G and Beyond wireless communication systems
- Mobile Ad-hoc networks, sensor networks
- Wireless mesh/heterogeneous networks
- Small cell technologies
- Convergence of fixed and mobile communication systems
- Cognitive radios and networks
- Green communications and networking
- Ubiquitous mobile computing, mobile cloud
- Mobile backhaul
- Emerging mobile applications and services
- Radio resource management
- Cooperative networks and systems
- Multi-cell cooperation and interference management
- Vehicular communication networks
- Wireless body area networks

Networks Symposium

- Future Internet and next-generation network
- Internet of Things
- Network virtualization and services
- Convergent network architectures
- Migration to NGN and mobile broadband
- Hybrid wireless-optical networks
- Network planning and optimization
- Provisioning, monitoring, and management of IP services
- Routing issues and technologies
- Network coding and application
- Overlay networks and P2P networking
- Social networking and computing
- Cloud computing

Security Symposium

- Implementation, deployment and management of network security policies
- Integrating security in Internet protocols: routing, naming, network management
- Security for wireless communication technologies
- Security for future home networks, Internet of Things, body-area networks
- Security for large-scale systems and critical infrastructures
- Security for peer-to-peer and overlay network systems
- Security of web-based applications and services
- Security for cloud computing

Optical Symposium

- Optical interconnection
- Optical network applications and services
- Optical fiber sensor devices and networks
- Advanced optical components and modules
- Fibers and fiber devices/amplifiers/lasers
- Microwave photonics, silicon photonics
- Waveguide devices and planar lightwave circuits
- Nano-photonics and Micro/Nano Optics
- Quantum and nonlinear optics
- LED and display technologies
- Visible light communication
- Infrared, millimeter wave and terahertz technologies

Multimedia Symposium

- CDN and media networking
- Content centric network, media delivery network architecture and protocols
- Multimedia delivery and transport protocols
- Secure multimedia delivery and storage
- Peer-to-peer network and applications
- Multimedia data mining and models
- Cloud based multimedia computing and communications
- Multimedia indexing and search
- Semantic/context aware multimedia proc.
- Multimedia content access and distribution
- QoS for multimedia applications
- New business opportunities and models

Important dates

Full Paper Submission: December 15, 2012

Acceptance Notification: February 1, 2013

Paper submission web site and instructions: <http://wocc2013.cqupt.edu.cn>