



## The 20th Wireless and Optical Communications Conference (WOCC 2011)

April 15 – 16, 2011, Newark, New Jersey, USA

The Twentieth Annual Wireless and Optical Communications Conference ([WOCC 2011](#)) will bring together technical experts, scholars and business leaders from the North America and Pacific Rim to discuss emerging technologies, innovative research, and business opportunities. The conference will feature a comprehensive technical program consisting of four symposiums, keynote speakers and panels.

### Program highlights:

WOCC2011 will host special plenary sessions dedicated to two greatest pioneers: [Professor Robert G. Gallager](#), and [Dr. Tingye Li](#). Formal students, colleagues and friends will pay tributes to Professor Gallager and Dr. Li for their greatest achievements and profound impacts on our society.

Featured speakers: Prof. Vincent Chan (MIT), Prof. Connie Chang-Hasnain (UC Berkeley), Prof. David Tse (UC Berkeley), and more.

Original technical papers are solicited to the technical areas of the four symposiums, with the topics listed, but not limited to, the following:

### Wireless Communications and Networking Symposium

- Modulation, Coding and Signal Processing
- Radio Resource Management
- 3G/4G Wireless Communication Systems
- Network Protocol Performance Modeling & Simulation
- Localization, Target Tracking, and Mobility Management
- Cognitive Radios and Networks
- Mobile Ad-Hoc Networks
- Sensor Networks
- Heterogeneous Networks
- Security in Wireless Networks

### Emerging Networks and Future Internet Symposium

- Future Internet and Next Generation Network Architecture
- Future Internet Simulation and Experimentation Platforms
- Network Virtualization and Services
- Convergent Network Architectures and Solutions
- Migration to NGN and Mobile Broadband
- Incorporating Mobility into Future Internet
- Network Design, Planning, and Optimization
- Delay and Disruption Tolerant Networks
- Cloud Computing
- Content Centric Networking
- Social Networks

### Optical Communications and Networking Symposium

- Optical Network Design, Planning, and Modeling
- Optical Access and Metro Networks
- Photonic Switching System Architecture
- Optical Passive and Active Components and Devices
- Optical Network Protection and Restoration
- Optical Network Applications
- Optical Fiber Sensor Devices and Networks
- 100 G and Beyond
- High Speed Photonic Integration

### Multimedia Services and Applications Symposium

- CDN and Media Networking
- Multimedia Delivery and Transport Protocols
- Secure Multimedia Delivery and Storage
- Peer-to-Peer Network and Applications
- Cloud based Multimedia Computing and Communications
- Multimedia Indexing and Search
- Semantic Aware, Context Aware Multimedia Processing
- Personalized Multimedia Content Access and Distribution
- Smart Phone Mobile Applications
- QoS for Multimedia Applications

**Important Dates:**

Submission Deadline: **January 15, 2011**

Paper Acceptance Notification: **February 15, 2011**

Camera Ready Paper Submission: **March 15, 2011**

All papers accepted by WOCC 2011 will be included in IEEE Xplore and indexed by EI.

Paper submission web site and instructions: <http://edas.info/9561>

**Organization Committee:**

Technical Program Chair and Vice-Chair: Qinqing Zhang, Johns Hopkins University  
Wade Trappe, Rutgers University

Wireless Communications and Networking Symposium Chair: Chonggang Wang, InterDigital

Emerging Networks and Future Internet Symposium Chair: Yanyong Zhang, Rutgers University

Optical Communications and Networking Symposium Chair: Shan Zhong, Ciena Corp

Multimedia Services and Applications Symposium Chair: Yuqing Gao, IBM Research

