

# Call for Presentation



WIRELESS & OPTICAL COMMUNICATIONS CONFERENCE

April 23-24 Taichung Taiwan

## WOCC 2008

### Conference Planning Committee

#### Conference Chair

**Jin-Fu Chang, President**

National Chi-Nan University

#### Conference Co-Chairs

**David S. Hong, President**

Taiwan Institute of Economic Research

**Wen-Tsuen Chen, President**

National Tsing-Hua University

#### Conference Organizers

**Alice Chou, Director**

Taiwan Institute of Economic Research

**Sin-Horn Chen, CEO**

National Science and Technology Program for  
Telecommunications

**Li-Fung Chang, Director**

Broadcom

#### Program Chairs:

**Sin-Horn Chen, CEO**

NTP

**Kevin Lu, Dr.**

Telcordia, USA

#### Wireless Communication

**Chin-Liang Wang, Professor**

National Tsing Hua University

**Qi Bi, Dr.**

Alcatel-Lucent, USA

#### Optical Communication

**Maria C. Yuang, Professor**

National Chiao Tung University

**Angela Chiu, Dr.**

AT&T Lab, USA

#### Intelligent Multimedia

**Wan-Jiun Liao, Professor**

National Taiwan University

**Heather Yu, Dr.**

Huawei, USA

#### Vehicular Telematics /Network

#### Solutions

**Yi-Bing Lin, Professor**

National Chiao Tung University

**Emily Hu, Dr.**

Alcatel-Lucent, USA

#### Poster Session

**Yu-Dong Yao, Professor**

Stevens Institute of Technology, USA

The Wireless & Optical Communications Conference (WOCC) has become an increasingly influential event in recent years and it offers information and communication technology experts and researchers from all around the world the opportunity to share new knowledge, exchange opinions and interact with each other. The main topics at the WOCC include wireless & optical communications technologies, industry developments and future trends with a particular emphasis on business and technology opportunities between North America and the Asia-Pacific region. For WOCC 2008 the theme will be **“Ubiquitous Networks Society.”**

The **“Ubiquitous Networks Society”** envisions a future “always on” society where IT and communications technologies will allow anyone with a computer or terminal device to connect to the Internet at any time, at any place, for anything. Researchers all around the world agree that the **“Ubiquitous Networks Society”** will become the standard for next-generation networks, though what constitutes “Ubiquitous” has been difficult to define. This has resulted in a plethora of definitions and applications being proposed in different countries.

After the global economic recession and the bursting of the IT bubble at the beginning of this century, over-supply has become a problem in the telecommunications industry’s supply chain. Fortunately, the latest market reports indicate that over-supply will soon become a thing of the past with economic and commercial activity now back on the rise. We believe that a new era of economic growth is now upon us and the telecommunications industry will soon welcome the 21<sup>st</sup> Century’s first period of economic recovery. At WOCC 2008, we will examine the technologies and opportunities that will play a part in this economic recovery in order to gain a clear picture of the industry’s future.

For WOCC 2008, we invite experts and researchers to take advantage of this gathering to speak about the theme and related topics. The conference will hopefully create new collaboration opportunities in research and business while furthering the development of the telecommunications industry. We are now welcoming proposals from all professionals in the industry interested in the theme for 2008!

## Publication

### Chung-Ju Chang, Professor

National Chiao-Tung University

## Fund Raising

### Alice Chou, Director

Taiwan Institute of Economic Research

### Pan Liu

Broadcom, USA

## Public Relations

### Char-Der Chung, Professor

National Taiwan University

## Local Advisory Committee

### Chao-Yih Chen, General Director

Industrial Development Bureau, MOEA

### Tyzz-Jiun Duh, General Director

Department of Industrial Technology, MOEA

### Che-Ho Wei, Honorary Professor

National Chiao-Tung University

### Bao-Shuh Lin, General Director

Information and Communications Laboratories, ITRI

### Yi-Jen Chan, General Director

Electronics and Optoelectronics Laboratories, ITRI

### Tung-Chuan Wu, General Director

Mechanical and Systems Laboratories, ITRI

### Jyh-Sheng Ke, CEO

Institute for Information Industry

### Hao Jinchi, General Director

Chung-Shan Institute of Science & Technology

### Chang-Hong Chen, CEO

Telecom Technology Center

### L.S.Liang, General Director

Chunghwa Telecom Laboratories

### Rock Hsu, Chairman

3G CLUB

### Pu-San Weng, Chairman

Communication Strategic Alliance

### Frank Huang, Chairman

Taipei Computer Association

### Shyue-Ching Lu, President

Chunghwa Telecom Co., Ltd.

### Jan Erik Nilsson, President

Far Eastone Telecommunications Co. Ltd.

### Harvey Chang, President

Taiwan Mobile Co., Ltd.

## International Advisory Committee

### Mengchu Zhou, Professor

NJIT

### Wen-Ning Hsieh, Dr.

DVI Comm

### James Hwang, Professor

Lehigh University

### Allen Chen, President

Innovatech Solutions(USA)

### Russell Tsing, Dr.

Telcordia

### T.C.Chiang, Dr.

TC Consulting Group

### Hongya Ge, Professor

NJIT

### Yueh Kang, Dr.

Crown Castle

## Wireless and Mobile Communications

- Wide-area and fixed wireless communications
- 3G/4G/ WiMax/ WLAN/ WPAN/ UWB/ UMB/ LTE/ Femtoval
- 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

## Vehicular Telematics

- vehicle-to-vehicle communications technology
- vehicle infrastructure integration
- vehicle telematics market and business opportunities

## Network Solutions

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

## Wocc Abstracts

We only receive English abstracts which include the following:

- New technologic and scientific research
- Technologic Survey
- New Technology test or conclusion
- Industrial economic research or analysis
- Business opportunity study or plan

## Wocc Submission Guidelines

1. Submit the abstract/bio in Microsoft Word to [www.wocc.org](http://www.wocc.org) and must be limited to no more than 3 pages.
2. Font Size: 12
3. Paper Size: 8.5"X11", Margin: 1 "
4. Topic and Authors: Topic should be used by CAPITAL Letters. Name, position, Institute and email of authors should be listed below the topic.
5. Keywords: list two to four keywords below the abstract
6. Reference: All references should be sorted by authors' surname in alphabetical order
7. Poster: Bulletin board size is 90cm (W) x 150cm (H).

Please name the file first author's name and title the email Submission to WOcc 2008.

Submission Deadline: January 25, 2008

Notification: February 25, 2008

Please refer to [www.wocc.org](http://www.wocc.org) for the abstract/bio template and additional information.

## Contact Hotline

USA Ms. Shuang Yu +1 973 386 4973 [shuangyu@alcatel-lucent.com](mailto:shuangyu@alcatel-lucent.com)  
Taiwan Ms. Tina chang +886 2 2701 8768 [wocc2008@knaintl.com.tw](mailto:wocc2008@knaintl.com.tw)

## Optical Communications

- 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

## Intelligent Multimedia

- 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