

WOCC2000 Program

	4/14/2000 (Friday)	4/15/2000 (Saturday)
9:00 AM to 9:10 AM	F1 – Opening Remarks	S1 – Opening Remarks
9:10 AM to 10:40 AM	F2 – Plenary Session I	S2 – Plenary Session III
10:40 AM to 10:50 AM	Break	Break
10:50 AM to 12:20 PM	F3 - Plenary Session II	S3 - Plenary Session IV
12:30 PM to 01:40 PM	F4 - Luncheon	S4 - Luncheon
(Parallel) 01:40 PM to 03:40 PM	F5 – Technical Session I. Wireless Applications I	S5 – Technical Session IV. Home Wireless and Wireless Terminals
	F6 – Technical Session II. Broadband Wireless Technologies	S6 – Technical Session V. Optical communications: Device Technologies
	F7 – Technical Session III. Optical Communications: System Technologies	S7 – Technical Session VI. Wireless Applications II
3:40 PM to 4:10 PM	Break	Break
(Parallel) 4:10 PM to 6:10 PM	F8 – Panel Session I. 3G Technologies	S8 – Panel Session II. Wireless Opportunities in Asia
	F9 – Open Forum I. WDM Technologies for the Next Generation Fiber Optical Communications	S9 – Open Forum II. Business and Career Opportunities in the Next Generation Fiber Optical Communications
6:10 PM to 8:00 PM	F10 – Conference Reception	

DAY 1 (April 14, 2000, Friday)

Registration (8:30-9:00 AM)

F1 - Opening Remarks (9:00-9:10 AM)

Conference Chair: Tingye Li

F2 - Plenary Session I (9:10-10:40 AM)

Chair: On-Ching Yue, Lucent Technologies

"G3G and Its Future"

William C. Y. Lee, Vice President and Chief Scientist, Vodafone AirTouch

"The Evolution of TDMA Wireless to 3G with EDGE Technology"

Mary Chan, Vice President, Lucent Technologies

"Internet and Washington"

Ivan Kaminow, Former Congressional Fellow and Senior Science Advisor to OSA

Break (10:40-10:50 AM)

F3 - Plenary Session II (10:50 AM-12:20 PM)

Chair: Haifeng Li, Tyco Submarine Systems Ltd.

"A Remarkable Time in Telecommunications"

Thomas E. Darcie, Vice President, AT&T

"Multiwavelength Optical Networking: From Vision to Reality"

Ann Von Lehmen, Executive Director, Telcordia Technologies

"Overview of Planar Technology"

Rebecca Lu, Director, Corning Inc.

F4 - Luncheon (12:20-1:40 PM)

Parallel Technical Sessions (1:40-3:40 PM)

F5 - Technical Session I. Wireless Applications I (1:40-3:40 PM)

Session Chair: T. C. Chiang, Lucent Technologies

"Location as a Network Asset"

Gerry Christensen, SignalSoft

"Wireless Internet"

HP Jin, TeleVigation

"Wireless Application Enablers: Powering Personal Portable Applications"

Arnold Gum, Qualcomm

"GeoLocation in 3GPP"

Byron Chen, Ibrahim Tekin, and T. C. Chiang, Lucent Technologies

F6 - Technical Session II. Broadband Wireless Technologies (1:40-3:40 PM)

Session Chair: Thomas Ho, Hughes Network Systems

"The HDR System"

- Tao Chen, Qualcomm
“*Packet Data Services in UMTS*”
Qinqing Zhang, Lucent Technologies
“*OFDM in Wireless Communications*”
K. Daniel Wong, Telcordia Technologies,
“*Broadband Wireless Access at Millimeter-Wave Frequencies*”
Thomas Ho, Hughes Network Systems
“*Multiple Antennas in Fixed Data Rate Cellular CDMA Systems: Transmission, Detection, and Spectral Efficiency*”
Howard Huang, Lucent Technologies

F7 - Technical Session III. Optical Communications: System Technologies (1:40-3:40 PM)

Session Chair: Chien-Jen (Simon) Chen, Tyco Submarine Systems, Ltd.

- “*Proactive End-to-End Metropolitan Optical Network Solution*”
Jin-Yi Pan, Sorrento Networks, Inc.
“*True Optical Networking for Emerging Metro Markets*”
Jianhui Zhou, Optical Networks Inc.
“*Opaque Optical Networking – A Technology Update*”
Michael Choy, Lucent Technologies
“*Failure Protection in Optical Networks with Arbitrary Mesh Topologies*”
Georgios Ellinas, Telcordia Technologies

Break (3:40-4:10 PM)

Parallel Panel Sessions (4:10-6:10 PM)

F8 - Panel Session I. 3G Technologies (4:10-6:10 PM)

Moderator: William C. Y. Lee, Vodafone AirTouch

- Mary Chan, Lucent Technologies
Tao Chen, Qualcomm
Gerry Christensen, SignalSoft
Chih-Lin I, AT&T
David Lee, Lucent Technologies
Lin-Nan Lee, Hughes Network Systems

F9 - Open Forum I. WDM Technologies for the Next Generation Fiber Optical Communications (4:10-6:10 PM)

Transmission, Switching, and Networks ...

What do we have now? What do we need next?

Moderators: G. K. Chang, Telcordia Technologies
Jianhui Zhou, Optical Networks Inc.

F10 - Conference Reception (6:10-8:00 PM)

Sponsored by E-tek Dynamics

DAY 2 (April 15, 2000, Saturday)

S1 - Opening Remarks (9:00-9:10 AM)

Conference Chair: Tingye Li

S2 - Plenary Session III (9:10-10:40 AM)

Chair: Robert C. Wang, Lucent Technologies

“Ready to face the 'G' forces of mobile communications -- Chunghwa Telecom”

Chun-Ming Hsieh, Senior Vice President, Chunghwa Telecom, Taiwan

“The Research and Development of Wireless Communication in Taiwan”

Jingshown Wu, Professor, National Taiwan University, Taiwan

“Singapore Electronic Road Pricing”

Manh Anh Do, Professor, Nanyang Technological University, Singapore

Break (10:40 AM-10:50 AM)

S3 - Plenary Session IV (10:50 AM-12:20 PM)

Chair: Yung Jui (Ray) Chen, University of Maryland

“Quantum Heterostructures – From Nobel Prize to Hand Phone”

James Hwang, Professor, Lehigh University

“Optoelectronics Device Development and Business Perspective”

Robert Ku, Director, Lucent Technologies,

S4 - Luncheon (12:20-1:40 PM)

Parallel Technical Sessions (1:40-3:40 PM)

S5 - Technical Session IV. Home Wireless and Wireless Terminals (1:40-3:40 PM)

Session Chair: Wen-Yi Kuo, AT&T

“Wireless Communications System – Technology/Market/SOC (System on A Chip) Directions”

Albert Chen, ALinks Communications Inc.

“The Wireless Personal Area Network - potential and challenges”

Brian Ann, Signia Technologies, Inc.

“Power Control and AGC Design in IS-95 CDMA Mobile Stations”

Hsin-Chin Chang and Seng-Woon Chen, Acer Peripherals Labs, Inc.

“Current Wireless Home Network Research Activities in Taiwan”

Tenlong Deng, ITRI/CCL, Taiwan

“Challenges and Future Trends of Wireless Terminal Design”

Jiann-Ching Guey, Ericsson

S6 - Technical Session V. Optical Communications: Device Technologies (1:40-3:40 PM)

Session Chair: Won T. Tsang, Multiplex, Inc.

“Recent Advances in Nanophotonics”

Seng-Tiong Ho, Nanovation Technologies, Inc.

“Applications of Polarization Effect in Fiberoptics”

Kuangyi Wu and Jian-Yu (J.Y.) Liu, Chorum Technologies

“MEMS for Optical-layer Networking”

Lih Y. Lin, Tellium, Inc.

“The Service Optical Network”

Jiong Ma, Lucent Technologies

“High-performance Optoelectronic Devices for DWDM Communications”

Ping Yuan, Multiplex, Inc.

S7 - Technical Session VI. Wireless Applications II (1:40-3:40 PM)

Session Chair: Jyh-Han Lin, Motorola

“Java-Powered Open Service Gateways”

Li Gong, Sun Microsystems

“Wireless Home Connectivity and UPnP”

Charlie T. Tai, Intel Corp.

“Market Drivers and Technology Capabilities Driving Wireless and Wireline Convergence”

Wu-Hon Francis Leung, Technical Consultant

“Multi-Band Multi-Mode Wireless Handset Challenges”

Chin Pan Wong, Motorola

“Wireless Application Protocol (WAP): Architecture, Applications and Performance Issues”

Tzyh-Jong Wang, Technical Consultant

Break (3:40-4:10 PM)

Parallel Panel Sessions (4:10-6:10 PM)

S8 - Panel Session II. Wireless Opportunities in Asia (4:10-6:10 PM)

Moderator: Jingshown Wu, National Taiwan University, Taiwan

S9 - Open Forum II. Business and Career Opportunities in the Next Generation Fiber Optical Communications (4:10-6:10 PM)

Sycamore, Qtera and Avanex ...

Who are the players now? Who will be the next?

Moderator: Shoa-Kai Liu, MCI WorldCom