Pre-registration via conference website is recommended.

Pre-registration Deadline: **March 23, 2006**
On behalf of the Organizing Committee of 2006 Asia-Pacific Microwave Photonics Conference (AP-MWP2006), I am pleased to invite you to participate in the conference, which will be held at the International Conference Center, Kobe, Japan, on 24-26th April, 2006.

AP-MWP2006 originates from the Japan-Korea Joint Workshop on Millimeter and Microwave Photonics (JKJWS-MWP) and will be the first endeavor to expand a forum for discussion and information exchange in the Asia-Pacific region in the fields of Microwave Photonics (MWP) technology. It will provide an opportunity to learn the latest MWP technologies and discuss and exchange ideas for the future perspectives in various subjects ranging from devices, components, to systems and applications.

AP-MWP2006 will be held in the city of Kobe, of which port is one of the biggest in the world. Kobe is also famous for its beauty that results from its location, nestled between the mountains and the sea.

We have received strong and valuable support from the MWP communities in Korea, Asia-Pacific countries as well as in the US and Europe, and would like to acknowledge and express our sincere gratitude and appreciation.

I sincerely hope that AP-MWP2006 will be a fruitful and enjoyable conference to you all and contributes to the expansion of MWP technology in the region.

We look forward to your active participation and to welcoming you in Kobe in April, 2006.

Masayuki Izutsu
AP-MWP2006 Conference Chair
NICT, Japan
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Monday, April 24:
- **Session A**
  - Opening Remarks & Plenary Talks
  - 13:00 - 14:35
- **Session B**
  - 15:00 - 16:30
- **Session C**
  - Poster Session
  - 16:30-18:30
- **Session D**
  - Rump Session
  - Co-sponsored by IEEE-LEOS Japan
  - 18:30 - 20:00

Tuesday, April 25:
- **Session E**
  - 9:00 - 10:30
- **Coffee Break**
- **Session F**
  - 11:00 - 12:30

Wednesday, April 26:
- **Session I**
  - 9:00 - 10:30
- **Coffee Break**
- **Session J**
  - 11:00 - 12:15
- **Session K**
  - 13:45 - 15:15
- **Coffee Break**
- **Session L**
  - 15:45 - 17:00
- **Session PD**
  - Postdeadline Papers Presentation
  - 17:00-

*Bus will leave the hotel for the port at 18:00

Exhibition:
- Registration
- Coffee Break
- Session A
- Session B
- Coffee Break
- Session C
- Session D
- Coffee Break
Session A: 13:00 - 14:35
Opening Remarks & Plenary Talks
Chair: Shozo Komaki (Osaka University)

13:00-13:05 Opening Remarks
Masayuki Izutsu (National Institute of Information and Communications Technology)

13:05-13:50 A-1 “Role of Microwave Photonics in Future All IP Network”
Tadao Saito (Toyota Infotechnology Center)

Rod Tucker (The University of Melbourne)

Session B: 15:00 - 16:30
Chairs: Alwyn Seeds (University College London) Masaru Fuse (Matsushita Electric Industrial Co., Ltd.)

15:00-15:30 B-1 “Millimeter Wave Radio over Fiber System”
Arokiaswami Alphones (Nanyang Technological University)

15:30-16:00 B-2 “Wavelength Division Multiplexed Fiber-Wireless Networks”
T. A. Nirmalathas, M. Bakaui, M. Attygalle, C. Lim, D. Novak, R. Waterhouse, Z. Li (National ICT Australia, The University of Melbourne)

16:00-16:30 B-3 “RoF Technologies for In-building Wireless Systems”
Seongtaek Hwang (Samsung Electronics Co., Ltd.)

Session C: (Poster Session) 16:30 - 18:30

C-1 “Linearization of DFB LD by Using Cross Gain Modulation of Reflective SOA in Radio-over-Fiber Link”
Sang-Hoon Lee, Yong-Yuk Won, Jeung-Mo Kang, Hyuk-Choon Kwon, Sang-Kook Han (Yonsei University)

C-2 “Wavelength Reuse Upstream Transmission Scheme for AWG-Based DWDM Millimeter-Wave Fiber-Radio Systems”
Prasanna A. Gamage*, Ampalavanapillai Nirmalathas*, Christina Lim*, Masuduzzaman Bakaul* Dalma Novak* **, Rodney Waterhouse* ** (The University of Melbourne, **Pharad, LLC)

C-3 “Evaluation of CATV Uplink Transmission Quality under Ingress and FM Interference Condition”
Yasushi Ikeda, Kazuo Kumamoto, Koji Yasukawa (Osaka Institute of Technology)

C-4 “Nonlinear Distortion due to XPM in Electrooptical Upconversion WDM Microwave Fiber Optic Links”
Linghao Cheng*, Sheel Aditya*, Alphones Arokiaswami*, L. C. Ong** (Nanyang Technological University, **Institute for Infocomm Research)

C-5 “Soft Computing-Based Predictions to Enhance Performance of Next Generation FSO Communication Systems”

C-6 “Proposal of Two-Dimensional Code Division Multiplexing Free Space Optic Communication System Using Chaos Spatial Synchronization”
Shinya Takeda, Takeshi Higashino, Katsutoshi Tsukamoto, Shozo Komaki (Osaka University)

C-7 “1.5Gbit/s Free Space Optical Transmission with an Automatic Alignment Function Using a MEMS Mirror”
Kazuhiko Ide, Hiroyuki Ibe (Toshiba Corporation)

C-8 “Broadband Analog Optical Transmitter Using Feedforward Compensation”
Joon-Jae Lee*, Young-Seol Yun*, Doo-Hun Choi*, Young-Wan Choi*, Hoon Kim**, Seong-Taek Hwang**, Yun Je Oh** (*Chung-Ang University, **Samsung Electronics Co., Ltd.)

Takatoshi Tanio, Shinichi Miyamoto (Osaka University)
C-10  “Investigation of Ultra-Wideband for Single and Multimode Radio-over-Fiber Systems”

C-11  “Sub-Carrier Resource Management for OFSDMA System Using RoF Ubiquitous Antennas”
Luong Hong Hai, Katsutoshi Tsukamoto, Shozo Komaki (Osaka University)

C-12  “Impulse Response Modeling of Single Mode Fiber in Radio-over-Fiber System for Millimeter Wave Transmission”
C. S. Lim, P. K. Tang, B. Luo, L. C. Ong (Institute for Infocomm Research)

C-13  “Characteristics of All-Optical 3R Regenerators Using Cascaded Second-Order Nonlinear Effect in Quasi-Phase Matched Lithium Niobate Devices”
Yutaka Fukuchi, Yoshito Kachita, Saori Yamada, Toru Kawashima, Masami Akake (Tokyo University of Science)

C-14  “All-Optical Ultra-Fast Retiming Switches Using Cascade of Second Harmonic Generation and Difference Frequency Mixing in Periodically Poled Lithium Niobate Devices”
Toru Kawashima, Yutaka Fukuchi, Saori Yamada, Masami Akake (Tokyo University of Science)

C-15  “All-Optical Decision Gate Circuit Using Cascaded Quasi-Phase Matched Lithium Niobate Devices”
Yutaka Fukuchi, Yoshito Kachita, Toru Kawashima, Joji Maeda, Masami Akake (Tokyo University of Science)

C-16  “All-Optical Clock Extraction Using a Reflective SOA-Based Ring Laser”
K. L. Lee, E. Wong, C. Lim, A. Nirmalathas (The University of Melbourne)

C-17  “Multiwavelength-Switchable Erbium-Doped Fiber Laser Using a Multichannel Birefringence Fiber Bragg Grating”
Li Xia*, Ping Shum*, Duan Liu*, Xueming Liu**, Chao Lu** (*Nanyang Technological University, **Institute for Infocomm Research)

C-18  “Microwave Photonic Carrier Generation Using Four-Wave Mixing and Spectral Elimination”
Mable P. Fok, Chester Shu (The Chinese University of Hong Kong)

C-19  “Experimental Demonstration of 3-Bit Photonic Analog-to-Digital Converter by Slicing SC Spectrum with AWG”
Shoichiro Oda, Atsushi Maeda, Akihiro Maruta (Osaka University)

C-20  “Optical Hilbert Transformers with Mach-Zender Interferometers for Optical SSB Modulation”
Katsumi Takano, Nobutomo Hanzawa, Tatsunori Yui, Kiyoshi Nakagawa (Yamagata University)

C-21  “Generation of Optical Short-Pulse Train by Frequency Beating Based on Four-Wave Mixing in SOAs”
Koji Otsubo, Haruhiko Kuwatsuka (Fujitsu Laboratories Ltd.)

C-22  “Cost-Effective Wavelength Conversion Schemes in Optical Cross Connect System”
Jaemyoung Lee*, Joon-Hak Bang** (*Korea Polytechnic University, **Electronics and Telecommunications Research Institute)

C-23  “Characteristics of a Transparent Lightwave Antenna for Trial-Fabrication in MEMS Technology”
Yasushi Munemasa* **, Makoto Mita**, Tadashi Takano** (*Tokyo University of Science, **Japan Aerospace Exploration Agency)

C-24  “Detection of Photomixing Signals Using YBCO Josephson Junction Coupled with Coplanar Waveguide”

C-25  “Right Scattering Spectra of 3D Fractal Menger Sponge by Using Terahertz Time-Domain Spectroscopy”
Tohru Takanaka*, Hironori Takahashi*, Mitsuo Wada Takeda*, Soshu Kirihara**, Yoshinari Miyamoto**, Kazuaki Sakoda*** (*Shinshu University, **Osaka University, ***National Institute for Materials Science)

C-26  “Characterization of Surface Wave Propagation in UC-PBG Patch Antenna by Using a Transient Near-Field Mapping System”
Kyoung-Hwan Oh, Jong-In Song (Gwangju Institute of Science and Technology)

C-27  “Using 1D Fractal Cantor-Bar Microstrip Lines to Control Microwaves”
Youhei Suzuki*, Hideaki Kitahara**, Junichi Miyashita***, Mitsuo W. Takeda* (*Shinshu University, **Osaka University, ***Precision Technology Research Institute of Nagano Prefecture)
C-28 “Tunable Bandpass Filter Based on Two-Dimensional Photonic Crystal Using Ferroelectric Materials”
Ritwick Das, K. S. Daya, K. Thyagarajan (Indian Institute of Technology)

C-29 “10 GHz Resonant Type LiNbO3 Optical Modulator Array with Patch Antennas”
Satoshi Shinada, Tetsuya Kawanishi, Masayuki Izutsu (National Institute of Information and Communications Technology)

C-30 “Numerical Analysis of a 20GHz Cascaded Resonantly Enhanced Mach-Zehnder Modulator”
Yuvaraja S. Visagathilagar, Thach G. Nguyen, Arnan Mitchell (RMIT University)

C-31 “10 Gbps FSK WDM Modulation Using External FSK Modulator”
Takahisa Fujita*, Tetsuya Kawanishi**, Takahide Sakamoto**,
Kaoru Higuma*, Junichiro Ichikawa*, Masayuki Izutsu** (*Sumitomo Osaka Cement Co., Ltd., **National Institute of Information and Communications Technology)

C-32 “Ridge-Type Zn-Indiffused Mach-Zehnder Modulator in LiNbO3”
Ruey-Ching Twu*, Chia-Chih Huang**, Chin-Yu Chang***, Way-Seen Wang*** (*Southern Taiwan University of Technology, **Tung Nan Institute of Technology, ***National Taiwan University)

C-33 “Investigation on the Wavelength Characteristics of a High Extinction Ratio LiNbO3 Optical Modulator”
Kaoru Higuma*, Shingo Mori*, Tetsuya Kawanishi**, Masayuki Izutsu** (*Sumitomo Osaka Cement Co., Ltd., **National Institute of Information and Communications Technology)

C-34 “Tunability of Lithium Niobate Loop Resonator”

C-35 “A Wide Dynamic Ranged Radio Wave Receiving System with an Optical Modulator and DFB Lasers”
Kazuhisa Haeiwa*, Takayuki Yamashita**, Yoshikazu Toba***, Masatoshi Onizawa*** (*Hirosima City University, **NHK, ***NEC Tokin Corporation)

C-36 “Optical Fiber Link Antenna Measurement System”
Satoru Kurokawa, Masanobu Hirose, Koji Komiyama (National Institute of Advanced Industrial Science and Technology)

C-37 “A Study on Sensitivity Improvement of Electro-Optic Detection with Arrayed Photodetectors”
Kiyotaka Sasagawa, Masahiro Tsuchiya (National Institute of Information and Communications Technology)

C-38 “All Optical Harmonic Frequency Up-Converters Based on Self-Pulsating Multi-Section DFB Lasers for 60GHz RoF Down-Link Systems”
Kwang-Hyun Lee*, Woo-Young Choi*, Young-Ahn Leem**, Kyung-Hyun Park** (*Yonsei University, **Electronics and Telecommunications Research Institute)

C-39 “Microwave Photonic Mixer Based on an InGaAs Photoconductor for Radio over Fiber Applications”
Ho-Jin Song, Tae-Woo Kim, Seong June Jo, Chung-Hyun Lim, Soo-Ghang Ihn, Jong-In Song (Gwangju Institute of Science and Technology)

C-40 “Broadband 90 Degree Hybrid Coupler Using Photonic Transversal Approach”
Hossein Emami, Lam Anh Bui, Arnan Mitchell (RMIT University)

C-41 “A Study on Nonlinear Distortion Suppression with Wavelength Control of EAM”
Makoto Yamashita*, Kosuke Uegaki*, Kazuo Kumamoto*, Koji Yasukawa*, Keizo Inagaki**, Takeshi Higashino***, Katsutoshi Tsukamoto***, Shozo Komaki*** (*Osaka Institute of Technology, **ATR, ***Osaka University)

Session D: 18:30 - 20:00
Rump Session (co-sponsored by IEEE-LEOS Japan Chapter: Advanced photonic devices for MWP systems)

Chairs: Yuzo Yoshikuni (NTT Corporation)
Tetsuya Kawanishi (National Institute of Information and Communications Technology)

18:30-19:00 D-1 “Characteristics of 60 GHz Analog RF-Optic Transceiver Module”
Jeha Kim, Yong-Duck Chung, Kwang-Seong Choi, Young-Shik Kang, Kyoung-Ik Cho (Electronics and Telecommunications Research Institute)

19:00-19:30 D-2 “UTC-PD Based Optoelectronic Devices for High-Speed and High-Frequency Applications”
Satoshi Kodama, Hiroshi Ito (NTT Corporation)

19:30-20:00 D-3 “Ultrafast All-Optical Switch in Silicon Wire Waveguides”
L. R. Nunes, T. K. Liang, K. S. Abedin, T. Miyazaki, M. Tsuchiya (National Institute of Information and Communications Technology)
Session E: 9:00 - 10:30
Chairs: Jianping Yao (University of Ottawa)
Kazi S. Abedin (National Institute of Information and
Communications Technology)

09:00-09:30  E-1 “Long-Distance Femtosecond-Level
Optical Synchronization”
Fatih Ömer Ilday (Massachusetts Institute of Technology)

09:30-10:00  E-2 “Multi-Wavelength Pulsed Sources
and Their Applications in Parallel
Processing of Signals”
Chester Shu, Ka-Lun Lee, Mable P. Fok (The
Chinese University of Hong Kong)

10:00-10:30  E-3 “All-Optical Analog-to-Digital
Conversion Using Optical Multi-
Thresholding Module Based on Self-
Frequency Shift in Fiber”
Tsuyoshi Konishi (Osaka University)

Session F: 11:00 - 12:30
Chairs: Jong-In Song (Gwangju Institute of Science and Technology)
Yoshiyasu Ueno (The University of Electro-Communications)

11:00-11:15  F-1 “Optical Frequency Comb Generation
Using Phase Modulators and Group
Velocity Dispersion Medium”
Takashi Yamamoto, Tetsuro Komukai, Satoki
Kawanishi, Kazunori Suzuki, Atsushi Takada (NTT
Corporation)

11:15-11:30  F-2 “Demonstration of Tunable Wavelength
Conversion Based on Cascaded SFG-DFG
with Spectral Reshaping for 160 Gbit/s RZ
Signals in PPLN Waveguide”
Hideaki Furukawa*, Ampalavanapillai Nimalathas**, Naoya Wada*, Satoshi Shinada*, Hiroshi Tsuboya***, Tetsuya Miyazaki* (*National Institute of Information and Communications Technology, **National Institute of Information and Communications Technology, ***OPTOQUEST CO., LTD)

11:30-11:45  F-3 “All-Optical Analog-to-Digital
Conversion Using Self-Frequency Shift
with Bitwise Signal Allocation”
Takashi Nishitani, Tsuyoshi Konishi, Kazuyoshi
Itoh (Osaka University)

11:45-12:00  F-4 “Modulation Characteristics of
Reflective Semiconductor Optical
Amplifier for Hybrid WDM/SCM-PON”
Jeung-Mo Kang, Hyuk-Choon Kwon, Sang-Hoon
Lee, Yong-Yuk Won, Sang-Kook Han (Yonsei
University)

12:00-12:15  F-5 “Tip-on-Fiber Electro-Optic Probe for
Specific Absorption Rate Measurement”
Hiroyoshi Togo*, Teruo Onishi**, Katsuki
Kiminami**, Naofumi Shimizu*, Tadao Nagatsuma*, Shinji Uebayashi ** (*NTT Microsystem Integration
Laboratories, **NTT DoCoMo, Inc.)

12:15-12:30  F-6 “High-Extinction Ratio LiNbO3 Intensity
Modulator Applied to the Radio
Interferometry”

Session G: 14:00 - 15:30
Chairs: Nan Yu (Jet Propulsion Laboratory)
Hiroshi Murata (Osaka University)

14:00-14:15  G-1 “Development of 60 GHz Analog Optic
Transmitter Module for Radio-over-Fiber Link”
Yong-Duck Chung, Kwang-Seong Choi, Young-
Shik Kang, Dong-Suk Jun, Kyoung-Ik Cho, Jeha Kim (Electronics and Telecommunications
Research Institute)

14:15-14:30  G-2 “Monolithic Integration of Planar
Patch Antenna and UTC-PD on InP
Substrate”
Naofumi Shimizu, Tadao Nagatsuma (NTT
Corporation)

14:30-14:45  G-3 “Rectangular Waveguide Output Uni-
Traveling-Carrier Photodiode Module
Integrating a Power Amplifier for 10-Gbit/s
Wireless Transmissions in the 125-GHz
Band”
Hiroshi Ito*, Tomofumi Furuta*, Toshihiko Kosugi*, Akihiko Hirata*, Kazuhiro Maruyama**, Hiroyuki
14:45-15:15  G-4 “Efficient Photonic THz Generation”
A. J. Seeds (University College London)

15:15-15:30  G-5 “Terahertz-Wave Imaging in Reflection and Scattering Modes”
Adrian Dobroiu*, Yoshiaki Sasaki*, Chiko Otani*,
Kodo Kawase* ** (Institute of Physical and Chemical Research, **Nagoya University)

Session H: 16:00 - 17:30

16:00-16:15  H-1 “Fourier-Transform Optically Controlled Beam Forming Network Using Spatial Light Modulator”
T. Akiyama, N. Takemura, H. Oh-hashi, T. Nagatsuka, Y. Hirano (Mitsubishi Electric Corporation)

Takeshi Higashino, Katsutoshi Tsukamoto, Shozo Komaki (Osaka University)

16:30-16:45  H-3 “An Experiment of Multi-band Wireless Service Multiplexing Based on Chaotic DOS-CDM Incorporating Undesired Alias Suppression Function”

16:45-17:00  H-4 “Proposal of Distributed Antenna System Using Radio on Free Space Optics for Indoor WLAN and Its Throughput Improvement with Spectrum Delivery Function”
Misato Kamei, Akihiko Murakoshi, Takeshi Higashino, Katsutoshi Tsukamoto, Shozo Komaki (Osaka University)

17:00-17:15  H-5 “Experimental Performance Evaluation of Next Generation FSO Communication System”

April 26, 2006

Session I: 9:00 - 10:30

09:00-09:30  I-1 “Recent Progress on Photonic Crystal Functional Devices”
Toshihiko Baba (Yokohama National University)

09:30-10:00  I-2 “Microwave Transmission through Normally Opaque Objects”
Ping Sheng (Hong Kong University of Science and Technology)

10:00-10:30  I-3 “Subwavelength-Diameter Glass Fibers for Micro- and Nanophotonics”
Limin Tong (Zhejiang University)
Session J: 11:00 - 12:15
Chairs: Ping Sheng (Hong Kong University of Science and Technology)
Masatake Nakazawa (Tohoku University)

11:00-11:15  J-1 “Broadband Optical Studies of Nano-Scale 1-D and 3-D Photonic Crystals”
Erich P. Ippen* (*Massachusetts Institute of Technology, **National Institute for
Communications and Technology)

11:15-11:30  J-2 “Reciprocating Optical Modulator for 60GHz-Band ROF Transmitter”
Kawashita** (*Mitsubishi Electric Corporation, **National Institute of Information and
Communications Technology)

11:30-11:45  J-3 “26 GHz Guided-Wave EO Modulator with Resonant Electrode of Coupled
Microstrip Lines and Modulation Enhancement Using Polarization
Reversed Structure”
Akira Enokihara*, Hiroyoshi Yajima*, Hiroshi Murata**, Yasuyuki Okamura** (*Matsushita
Electric Industrial Co., Ltd., **Osaka University)

11:45-12:00  J-4 “Frequency-Modulation on Radio-over-Fiber Signal Generated from
Resonant-Electrode-Type Optoelectronic Oscillator”
Takahide Sakamoto, Tetsuya Kawanishi, Masayuki Izutsu (National Institute of Information and
Communications Technology)

12:00-12:15  J-5 “Optical Response of Microwave Transistors and Their Applications to
High-Speed Photo-Detectors”
Hiroshi Murata, Daisuke Nakata, Noriyo Kobayashi, Yasuyuki Okamura (Osaka University)

Session L: 15:45 - 17:00
Chairs: Thas A. Nirmalathas (The University of Melbourne)
Yukio Horiuchi (KDDI R&D Labs)

15:45-16:00  L-1 “Novel WDM-Based Bi-Directional Radio-on-Fiber Networks for Millimeter-
Wave Access Systems”
Chang-Soon Choi, Yozo Shoji, Hiroyo Ogawa (National Institute of Information and
Communications Technology)

16:00-16:15  L-2 “Error-Free Multi-Channel Transmission in 25-GHz Spacing DWDM
Millimeter-Wave-Band Radio-on-Fiber System Using a Supercontinuum Light
Source and Arrayed-Waveguide-Grating Filters”
Tepppei Nakayotani*, Kiyokazu Matsuba**, Yoshitomo Takahashi**, Hiroyuki Toda**, Toshiaki
Kuri***, Ken-ichi Kitayama* (*Osaka University, **Doshisha University, ***National Institute of
Information and Communications Technology)

Session K: 13:45 - 15:15
Chairs: Jeha Kim (Electronics and Telecommunications Research Institute)
Hiroshi Ito (NTT Corporation)

13:45-14:15  K-1 “Regeneratively Mode-Locked Laser as an Opto-Electronic Microwave
Oscillator and Its Application to Optical Metrology”
Masatake Nakazawa (Tohoku University)

14:15-14:45  K-2 “Optoelectronic Microwave Generation for Achieving Ultra-Low Phase
Noise and Long-term Frequency Stability”
Nan Yu (Jet Propulsion Laboratory)

14:45-15:15  K-3 “Simultaneous Frequency Conversion Technique Utilizing an SOA-MZI for Full-
Duplex WDM Radio over Fiber Applications”
Jong-In Song, Ho-Jin Song (Gwangju Institute of Science and Technology)
16:15-16:30 L-3 “Bidirectional WDM/SCM-PON Link Based on Noise Suppressed Spectrally-Sliced Fabry-Perot Laser Diode and Reflective Semiconductor Optical Amplifier” Hyuk-Choon Kwon, Yong-Yuk Won, Jeung-Mo Kang, Sang-Hoon Lee, Sang-Kook Han (Yonsei University)

16:30-16:45 L-4 “Distortion Characteristic of Super-Wideband FM Technique Using Optical Homodyne-Detection Scheme” Tomoaki Ohira, Kouichi Masuda, Masaru Fuse (Matsushita Electric Industrial Co., Ltd.)

16:45-17:00 L-5 “Distortion Canceller for Radio-on-Fiber Link Employing Comb Filter” Shingo Tanaka*, Noritaka Taguchi*, TsunetoKimura**, Yasunori Atsumi* (*Optowave Laboratory Inc., **Yazaki Corporation)

**Session PD:** (Postdeadline Papers) 17:00 -
Chair: Masahiro Tsuchiya (National Institute of Information and Communications Technology)

### Postdeadline Papers

A limited number of papers will be solicited for presentation in the final session of the conference on April 26. Please send ONE page camera-ready manuscript in PDF format to the following address:
ap-mwp2006@ilcc.com
The deadline for submission is **16:00, April 24, 2006, Japan Time.**
The paper format is the same as that of regular papers (see the website for details). If the paper is accepted, the manuscript will be printed in the handout materials distributed at the conference.

### Technical Digest

All technical papers scheduled for presentations at the conference will be published in the AP-MWP2006 technical digest. A copy will be made available to each delegate on arrival at the conference.

### Language

The official language of the conference will be English, which will be used for all printed materials, presentations, and discussions.
All participants are invited to a reception party and a banquet to be held in the evening of the first day of the conference (April 24, 2006) and the second day (April 25, 2006), respectively. Banquet on April 25 will be held on a cruising boat, looking out of one of the most beautiful night views of Japan, Kobe, from the ocean. Bus to the port will leave the hotel at 18:00. Please be sure to gather at the lobby before departure time.

Venue

The International Conference Center Kobe, conveniently situated on Port Island, is located 10 minutes from the center of downtown Kobe via the automated New Transit System. Connection to the Kansai International Airport (KIX) can be made by limousine bus in about 80 minutes. Kobe Airport, which opened on February 16, 2006 on the man-made Port Island is connected to the Port Liner route. The International Conference Center Kobe is a 6-minute ride from Kobe Airport. For details on the venue, visit the website: http://www.kcva.or.jp/kcc/icck/e-index.html.

Exhibition

The exhibition of AP-MWP2006, showing the latest technologies in microwave photonics, is planned to be held throughout the conference. The exhibition offers attendees a unique opportunity to be shown and demonstrated innovative products, equipments and services of microwave photonics. So please don't miss this opportunity.

Exhibition Schedule (Subject to change)

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Exhibitors

Some confirmed exhibitors are:
- Anritsu Corporation
- Mitsubishi Cable Industries, Ltd.
- Mitsubishi Electric Corporation
- NGK Insulators, Ltd.
- Osaka Institute of Technology/Advanced Telecommunications Research Institute International/Osaka University
- R&K Company Limited
- Santec Corporation
- THE FURUKAWA ELECTRIC CO., LTD.
- TOSHIBA CORPORATION
(alphabetical order, as of February 8)
Pre-registration via the website is strongly recommended for your own convenience and prompt pick-up of registration materials. Registration fee for the meeting includes:
- admission to the technical sessions/poster session/exhibitions and conference reception
- one copy of the technical digest
- refreshments served in the morning and afternoon breaks
- banquet on April 25

Bank Transfer
Please transfer to the following account: (Registrant is requested to pay ALL handling fees. Secretariat Office must receive the full amount.)
Transfer must be made within 2 weeks after you register online and must be finalized by April 19, 2006. For payment on or after April 20, 2006, please pay by cash on-site.

Bank Name: Sumitomo Mitsui Banking Corporation
Branch Name (Branch No.): Kanazawabunko (330)
Account Name: AP-MWP2006
Account Type: Ordinary
Account Number: 1176216

You will be able to download the specified bank transfer form from the website. Please fill out the form, attach the bank slip and send it to us by FAX.

Credit Card
Only MasterCard or VISA is accepted.
You will be able to download the specified credit card form from the website. Please fill out the form and send it to us by FAX. FAX must be received at the Secretariat Office at the latest by April 19, 2006. For payment on or after April 20, 2006, please pay by cash on-site.

Cancellation requests must be made in writing to the AP-MWP2006 Organizing Committee by April 17, 2006. In case of cancellations made by April 17, 2006, a full refund of fees paid will be made based on your registration form (minus an administrative charge of 3,000 yen). If you request a refund, please state the pre-registrant’s name and to whom the reimbursement should be made payable. No requests for a refund will be accepted on or after April 18, 2006.

Cancellation Fee

<table>
<thead>
<tr>
<th></th>
<th>On or before April 17, 2006</th>
<th>On or after April 18, 2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delegates</td>
<td>3,000 yen</td>
<td>Full registration fee</td>
</tr>
<tr>
<td>Students*</td>
<td>5,000 yen</td>
<td></td>
</tr>
</tbody>
</table>

Banquet Ticket (guests)

5,000 yen
Limited number of tickets are available. They will be sold strictly on first-come first-served basis.

Payment

Payment must be made in Japanese yen by wire transfer or by credit cards. Only MasterCard or VISA is accepted. Personal checks are not accepted.

Registration Fees

<table>
<thead>
<tr>
<th></th>
<th>Thursday, March 23, 2006</th>
<th>Friday, March 24, 2006 and on-site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delegates</td>
<td>45,000 yen</td>
<td>50,000 yen</td>
</tr>
<tr>
<td>Students*</td>
<td>22,000 yen</td>
<td>25,000 yen</td>
</tr>
</tbody>
</table>

*For students: Please send a copy of your student identification card by fax to the Secretariat Office.

Banquet on April 25 will be held on a cruising boat, looking out of one of the most beautiful night views of Japan, Kobe, from the ocean. Capacity is limited; and you are strongly recommended to make early registration to the conference.

Please visit and register at http://www.ap-mwp.com/registration.html

On-line registration will be closed on Wednesday, April 19, 2006. Please register on-site on or after April 20, 2006.

Receipt

You will receive a receipt for your registration fee payment on site of the conference. If you require other arrangements, please contact the Secretariat Office.
Accommodations

Hotel Reservations for AP-MWP2006 Participants

A limited number of rooms have been reserved during the Conference period at special discount rates. Hotel assignment will be made on a first-come, first-served basis. To make reservation at the hotels shown below, visit “Accommodation” page on the website.

For the convenience of AP-MWP2006 participants, hotel reservations are handled by JTB Corporation. Should you have any problems or questions, please contact:

AP-MWP2006 Desk
Western Japan Regional Headquarters, JTB Corp.
Event & Convention Sales Dept.
TEL: +81-6-6260-5060 FAX: +81-6-6263-0717
E-mail: westec_op9@jtb.jp

Room Rate & Access

The rates below are per person, per night, including breakfast and service charge and consumption tax.

<table>
<thead>
<tr>
<th>Hotel</th>
<th>Room Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single</td>
</tr>
<tr>
<td>Kobe Portopia Hotel</td>
<td>¥10,500</td>
</tr>
<tr>
<td>Access:</td>
<td></td>
</tr>
<tr>
<td>–Adjacent to the venue</td>
<td></td>
</tr>
<tr>
<td>–1 min. walk from Shimin-hiroba station of Portliner (monorail)</td>
<td></td>
</tr>
<tr>
<td>Hotel Pearl City Kobe</td>
<td>¥11,025</td>
</tr>
<tr>
<td>Access:</td>
<td></td>
</tr>
<tr>
<td>–Approx. 7 min. walk to the venue</td>
<td></td>
</tr>
<tr>
<td>–2 min. walk from Nakafuto station of Portliner (monorail)</td>
<td></td>
</tr>
</tbody>
</table>

The deadline for Online-Reservation

17:00 of April 10, 2006, Japan Time
(Please note that reservations will also be closed when all accommodations are filled.)

Cancellation/Revision

*In case of cancellation, your deposit will be refunded after deducting cancellation fees as follows. (Handling charge of JPY 400 per person is not refundable.)
*Please note all refunds will be made after the Conference.
*Please revise and/or cancel your reservation through the website.
*Cancellation fee when notice is given:

| Till 4 days before the first night of stay | No charge |
| 2 to 3 days before the first night of stay | 20% of total room charge |
| 1 day before the first night of stay      | 50% of total room charge |
| The first night of stay or no notice given | 100% of total room charge |
Conference Committees

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Vice Chairs: Mitsuru Naganuma (Teikyo University of Science and Technology, Japan)
Jeha Kim (ETRI, Korea)
Thas A. Nirmalathas (The University of Melbourne, Australia)

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[Financial Affairs]
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Keizo Inagaki (ATR Adaptive Communications Research Laboratories, Japan)
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Satoki Kawanishi (NTT Network Innovation Laboratories, Japan)
Yuji Aburakawa (NTT DoCoMo Inc., Japan)

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*Members of the AP-MWP2006 Technical Program Committee would like to express their sincere appreciation to the Advisory Committee members listed on the left for their generous support in reviewing and commenting on the submitted papers to make the quality of the program very solid and high.