PROCEEDINGS OF SPIE

SPIDigitalLibrary.org/conference-proceedings-of-spie

Front Matter: Volume 8308

, "Front Matter: Volume 8308," Proc. SPIE 8308, Optoelectronic Materials and Devices VI, 830801 (4 January 2012); doi: 10.1117/12.921549

SPIE.

Event: SPIE/OSA/IEEE Asia Communications and Photonics, 2011,
Shanghai, China

PROCEEDINGS OF SPIE

Optoelectronic Materials and Devices VI

Guang-Hua Duan
Editor

13–16 November 2011
Shanghai, China

Cosponsored by
SPIE
Optical Society of America
IEEE Photonics Society
Chinese Optical Society
China Institute of Communications

Local Organizing Committee
Shanghai University

Best Student Paper Sponsor
RSoft Design Group
Thorlabs, Inc.

Published by
SPIE
Optical Society of America
IEEE Photonics Society

Volume 8308

Proceedings of SPIE, 0277-786X, v. 8308

SPIE is an international society advancing an interdisciplinary approach to the science and application of light.

The papers included in this volume were part of the technical conference cited on the cover and title page. Papers were selected and subject to review by the editors and conference program committee. Some conference presentations may not be available for publication. The papers published in these proceedings reflect the work and thoughts of the authors and are published herein as submitted. The publisher is not responsible for the validity of the information or for any outcomes resulting from reliance thereon.

Please use the following format to cite material from this book:

Author(s), "Title of Paper," in *Optoelectronic Materials and Devices VI*, edited by Guang-Hua Duan, Proceedings of SPIE-OSA-IEEE Asia Communications and Photonics, Vol. 8308 (SPIE, Bellingham, WA, 2011) Article CID Number.

ISSN 0277-786X
ISBN 9780819489562

Published by

SPIE

P.O. Box 10, Bellingham, Washington 98227-0010 USA
Telephone +1 360 676 3290 (Pacific Time) • Fax +1 360 647 1445
SPIE.org

Optical Society of America

2010 Massachusetts Ave., N.W., Washington, D.C., 20036 USA
Telephone +1 202 223 8130 (Eastern Time) • Fax +1 202 223 1096
OSA.org

IEEE Photonics Society

445 Hoes Lane, Piscataway, New Jersey, 08855 USA
Telephone +1 732 562 8434 (Eastern Time) • Fax +1 732 562 8434
IEEE.org

Copyright © 2011, Society of Photo-Optical Instrumentation Engineers, Optical Society of America, and IEEE Photonics Society.

Copying of material in this book for internal or personal use, or for the internal or personal use of specific clients, beyond the fair use provisions granted by the U.S. Copyright Law is authorized by SPIE subject to payment of copying fees. The Transactional Reporting Service base fee for this volume is \$18.00 per article (or portion thereof), which should be paid directly to the Copyright Clearance Center (CCC), 222 Rosewood Drive, Danvers, MA 01923. Payment may also be made electronically through CCC Online at copyright.com. Other copying for republication, resale, advertising or promotion, or any form of systematic or multiple reproduction of any material in this book is prohibited except with permission in writing from the publisher. The CCC fee code is 0277-786X/11/\$18.00.

Printed in the United States of America.

Publication of record for individual papers is online in the SPIE Digital Library.

SPIDigitalLibrary.org

Paper Numbering: Proceedings of SPIE follow an e-First publication model, with papers published first online and then in print and on CD-ROM. Papers are published as they are submitted and meet publication criteria. A unique, consistent, permanent citation identifier (CID) number is assigned to each article at the time of the first publication. Utilization of CIDs allows articles to be fully citable as soon as they are published online, and connects the same identifier to all online, print, and electronic versions of the publication. SPIE uses a six-digit CID article numbering system in which:

- The first four digits correspond to the SPIE volume number.
- The last two digits indicate publication order within the volume using a Base 36 numbering system employing both numerals and letters. These two-number sets start with 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B ... 0Z, followed by 10-1Z, 20-2Z, etc.

The CID number appears on each page of the manuscript. The complete citation is used on the first page, and an abbreviated version on subsequent pages. Numbers in the index correspond to the last two digits of the six-digit CID number.

Contents

xi	<i>Symposium Committees</i>
xiii	<i>Conference Committee</i>

SESSION 1 NONLINEAR AND SWITCHING DEVICES I

- 8308 04 **The Brillouin gain and experiment performance based on stimulated Brillouin scattering slow light** [8308-04]
H. Zhou, R. Zhang, K. Zhong, Beijing Univ. of Posts and Telecommunications (China)
- 8308 05 **Heterodyne method monitoring broadband slow light based on stimulated Brillouin scattering** [8308-05]
K. Zhong, H. Zhou, C. Cao, R. Zhang, Beijing Univ. of Posts and Telecommunications (China)

SESSION 2 BEST STUDENT PAPER SESSION

- 8308 07 **All-optical edge detector for NRZ signal using a SOA-MZI** [8308-07]
Q. Weng, G. Wang, X. Yang, W. Hu, Shanghai Jiao Tong Univ. (China)
- 8308 0A **Transmission characteristics of a novel grating assisted microring** [8308-10]
F. Lou, Royal Institute of Technology (Sweden); X. Zhang, Wuhan National Lab. for Optoelectronics (China) and Huazhong Univ. of Science and Technology (China);
L. Wosinski, Royal Institute of Technology (Sweden) and Joint Research Ctr. of Photonics of the Royal Institute of Technology and Zhejiang Univ. (China)
- 8308 0B **Ultracompact variable optical attenuator based on photonic crystal waveguide** [8308-11]
Q. Zhao, K. Cui, Y. Huang, Tsinghua Univ. (China)
- 8308 0C **Compact surface wave polarization splitter based on the metallic-dielectric-air waveguide** [8308-12]
F. Lu, G. Li, Z. Wang, K. Li, A. Xu, Peking Univ. (China)

SESSION 3 NONLINEAR AND SWITCHING DEVICES II

- 8308 0E **All-optical 40 Gbit/s data format conversion between RZ and NRZ using a fiber delay interferometer and a single SOA** [8308-14]
F. Wang, Chongqing Univ. of Technology (China); E. Xu, Nanjing Univ. of Posts and Telecommunications (China); Y. Yu, Y. Zhang, Wuhan National Lab. for Optoelectronics (China) and Huazhong Univ. of Science and Technology (China)
- 8308 0F **Patterning effect mitigation using complementary data for NRZ wavelength conversion with a SOA-MZI** [8308-15]
G. Wang, X. Yang, Q. Weng, W. Hu, Shanghai Jiao Tong Univ. (China)

- 8308 OG **Modulation instability of optical nonlinear media: a route to chaos** [8308-17]
M. A. Sharif, Urmia Univ. of Technology (Iran, Islamic Republic of)

SESSION 4 GE AND III-V LASERS

- 8308 OJ **A novel tunable semiconductor laser based on a sampled grating reflector and an interleaved sampled grating reflector** [8308-20]
H. Wang, J. Zhao, Y. Yu, Wuhan National Lab. for Optoelectronics (China)

SESSION 5 NANOSTRUCTURED MATERIALS AND QUANTUM DOTS I

- 8308 OL **Theoretical estimation of optical absorption coefficient inside an InAs/InGaAs semiconductor quantum dot** [8308-23]
S. Behjati Ardakani, H. Kaatuzian, Amirkabir Univ. of Technology (Iran, Islamic Republic of)
- 8308 OM **A 1550 nm PbS semiconductor quantum dots fiber amplifier based on SiO₂ sol-gel method** [8308-24]
X. Sun, C. Li, L. Xie, X. Liu, Y. Dong, Shanghai Univ. (China)
- 8308 ON **Control of mode Q factor and direction-emission by metal confinement for defected circular microresonators** [8308-25]
Q.-F. Yao, J.-D. Lin, Y.-D. Yang, Y.-Z. Huang, Institute of Semiconductors (China)
- 8308 OO **Transport electron through a quantum wire by side-attached asymmetric quantum-dot rings** [8308-26]
A. Rostami, Univ. of Tabriz (Iran, Islamic Republic of); S. Zabihi, H. Rasooli S., S. K. Seyyedi, Islamic Azad Univ. (Iran, Islamic Republic of)

SESSION 6 PICS

- 8308 OR **Quantifying direct DQPSK receiver with integrated photodiode array by assessing an adapted common-mode rejection ratio** [8308-29]
J. Wang, M. Lauermann, C. Zawadzki, W. Brinker, Z. Zhang, D. de Felipe, N. Keil, N. Grote, M. Schell, Fraunhofer-Institut für Nachrichtentechnik, Heinrich-Hertz-Institut (Germany)

SESSION 7 PHOTONIC CRYSTALS

- 8308 OV **K_z component dependence of photonic band gap in two-dimensional photonic crystal** [8308-33]
X. Guo, L. Han, G. Yuan, Z. Yu, Y. Liu, P. Lu, Beijing Univ. of Posts and Telecommunications (China)
- 8308 OW **Wideband slow light in one-dimensional grating waveguide** [8308-34]
C. Bao, Wuhan National Lab. for Optoelectronics (China); J. Hou, Wuhan National Lab. for Optoelectronics (China) and South-Central Univ. for Nationalities (China); H. Wu, Wuhan National Lab. for Optoelectronics (China) and Nanchang Hangkong Univ. (China); D. Gao, X. Zhang, Wuhan National Lab. for Optoelectronics (China)

SESSION 8 PLASMONICS AND SUBWAVELENGTH DEVICES

- 8308 0Y **Enhanced optical transmission through a metallic slit covered with a nanostrip and surrounded by corrugations** [8308-37]
G. Li, F. Lu, Z. Meng, A. Xu, Peking Univ. (China)
- 8308 0Z **Gain-assisted propagation of surface plasmon polaritons using electrically pumped quantum wells as active medium** [8308-38]
T. Mei, South China Normal Univ. (China); Y. Li, Nanyang Technological Univ. (Singapore); H. Zhang, N. Zhu, South China Normal Univ. (China); D. H. Zhang, Nanyang Technological Univ. (Singapore); J. Teng, A*STAR Institute of Materials Research and Engineering (Singapore)
- 8308 10 **Switchable polarization-sensitive surface plasmon resonance of highly stable gold nanorods liquid crystals composites** [8308-39]
Q. Liu, Zhejiang Univ. (China) and Univ. of Colorado at Boulder (United States); J. Qian, F. Cai, Zhejiang Univ. (China); I. I. Smalyukh, Univ. of Colorado at Boulder (United States); S. He, Zhejiang Univ. (China) and Royal Institute of Technology (Sweden)
- 8308 11 **Novel subwavelength optical signal access via a plasmonic concentrator and a dielectric microring** [8308-40]
K. Li, G. Li, Z. Wang, F. Lu, A. Xu, Peking Univ. (China)

SESSION 9 NANOSTRUCTURED MATERIALS AND QUANTUM DOTS II

- 8308 12 **Hybrid III-V/Si active microcavities based on photonic crystals (Invited Paper)** [8308-41]
P. Viktorovitch, C. Sciancalepore, Institut des Nanotechnologies de Lyon, CNRS, Univ. de Lyon (France); B. Ben Bakir, CEA-LETI Minatec (France); X. Letartre, Institut des Nanotechnologies de Lyon, CNRS, Univ. de Lyon (France); N. Olivier, CEA-LETI Minatec (France); C. Seassal, Institut des Nanotechnologies de Lyon, CNRS, Univ. de Lyon (France); D. Bordel, CEA-LETI Minatec (France); P. Rojo-Romeo, P. Regreny, Institut des Nanotechnologies de Lyon, CNRS, Univ. de Lyon (France)
- 8308 13 **Optical properties of GaN/AlN quantum dots under intense laser field** [8308-42]
L. Zhang, Z. Yu, W. Yao, Y. Liu, H. Feng, Beijing Univ. of Posts and Telecommunications (China)
- 8308 15 **A PbS quantum dot polymer optical waveguide amplifier** [8308-44]
L. Lan, F. Pang, X. Sun, T. Wang, Shanghai Univ. (China)
- 8308 16 **A dual-band UV and IR quantum cascade photodetector** [8308-45]
A. Rostami, S. Khosravi, H. Rasooli Saghahi, Univ. of Tabriz (Iran, Islamic Republic of)

SESSION 10 OPTICAL INTERCONNECTS AND ACCESS DEVICES

- 8308 18 **High-speed 850 and 980 nm VCSELs for high-performance computing applications (Invited Paper)** [8308-47]
A. Mutig, P. Moser, Technische Univ. Berlin (Germany); J. A. Lott, VI Systems GmbH (Germany); P. Wolf, W. Hofmann, Technische Univ. Berlin (Germany); N. N. Ledentsov, VI Systems GmbH (Germany); D. Bimberg, Technische Univ. Berlin (Germany)

- 8308 19 **850 nm optical components for 25 Gb/s optical fiber data communication links over 100 m at 85°C** [8308-48]
S. A. Blokhin, Connector Optics LLC (Russian Federation) and A. F. Ioffe Physico-Technical Institute (Russian Federation); J. A. Lott, N. N. Ledentsov, VI Systems GmbH (Germany); L. Ya. Karachinsky, A. G. Kuzmenkov, I. I. Novikov, N. A. Maleev, Connector Optics LLC (Russian Federation) and A. F. Ioffe Physico-Technical Institute (Russian Federation); G. Fiol, D. Bimberg, Technische Univ. Berlin (Germany)

SESSION 11 NANOSTRUCTURED MATERIALS AND QUANTUM DOTS III

- 8308 1D **Quantum dot and star like lead sulfide for infrared radiation detection** [8308-52]
M. Dolatyari, S. Miri, H. Shekari, A. Bakhtiari, A. Rostami, Univ. of Tabriz (Iran, Islamic Republic of)

SESSION 12 PASSIVE INTEGRATED DEVICES

- 8308 1E **Optical routers for photonic networks-on-chip (Invited Paper)** [8308-53]
L. Yang, R. Ji, L. Zhang, Y. Tian, J. Ding, H. Chen, Y. Lu, P. Zhou, W. Zhu, Institute of Semiconductors (China)
- 8308 1F **Ultrashort and ultrabroadband silicon polarization beam splitter based on a bent directional coupler** [8308-54]
D. Dai, Univ. of California, Santa Barbara (United States) and Zhejiang Univ. (China); J. E. Bowers, Univ. of California, Santa Barbara (United States)
- 8308 1G **Novel silicon-on-insulator grating couplers based on CMOS poly-silicon gate layer** [8308-55]
C. Qiu, Shanghai Institute of Microsystem and Information Technology (China), Grace Semiconductor Manufacturing Corp. (China), and Graduate Univ. of Chinese Academy of Sciences (China); Z. Sheng, Shanghai Institute of Microsystem and Information Technology (China); L. Li, A. Pang, Grace Semiconductor Manufacturing Corp. (China); A. Wu, J. Du, J. Chen, X. Wang, F. Gan, Shanghai Institute of Microsystem and Information Technology (China); S. Zou, Shanghai Institute of Microsystem and Information Technology (China) and Grace Semiconductor Manufacturing Corp. (China)
- 8308 1H **An analysis of electro-optic measurement of electric fields using Jones matrix formulation** [8308-56]
H. Ismail, A. Nirmalathas, E. Skafidas, The Univ. of Melbourne (Australia)
- 8308 1I **Investigation of the use of rotating linearly polarized light for characterizing SiO₂ thin film on Si substrate** [8308-57]
C. Pawong, R. Chitaree, C. Soankwan, Mahidol Univ. (Thailand)

SESSION 13 SILICON PHOTONICS I

- 8308 1K **1x3 optical drop splitter in a rod-type silicon photonic crystal** [8308-59]
D. Zhuang, Fujian Normal Univ. (China); X. Chen, Minjiang Univ. (China); J. Li, Fujian Normal Univ. (China); G. Lin, Minjiang Univ. (China); Z. Qiang, Y. Qiu, H. Li, Fujian Normal Univ. (China)

- 8308 1L **CMOS-compatible thermal compensator based on a modified Mach-Zender interferometer** [8308-60]
Q. Long, H. Yi, X. Wang, Peking Univ. (China); Z. Zhou, Peking Univ. (China) and Georgia Institute of Technology (United States)

SESSION 14 SILICON PHOTONICS II

- 8308 1M **High-speed silicon optical modulators (Invited Paper)** [8308-61]
G. T. Reed, D. Thomson, F. Y. Gardes, N. G. Emerson, Univ. of Surrey (United Kingdom); J.-M. Fédéli, CEA-LETI Minatec (France)

SESSION 15 TELECOM POST-DEADLINE PAPERS: JOINT SESSION WITH CONFERENCES 8307, 8309, AND 8310

- 8308 1P **Low-voltage, high-extinction ratio carrier-depletion Mach-Zehnder silicon optical modulator** [8308-89]
J. Ding, H. Chen, R. Ji, L. Yang, Y. Tian, L. Zhang, W. Zhu, Y. Lu, R. Min, P. Zhou, Institute of Semiconductors (China)

SESSION 16 POST-DEADLINE PAPERS: JOINT SESSION WITH CONFERENCE 8311

- 8308 1R **Broad gain injectorless quantum-cascade lasers with low threshold emitting around 8.6 μm** [8308-91]
H. Li, S. Katz, G. Boehm, M.-C. Amann, Walter Schottky Institut (Germany)

POSTER SESSION

- 8308 1S **Optical logic operation for AND gate based on planar photonic crystal circuit** [8308-16]
K.-Y. Lee, China Univ. of Science and Technology (Taiwan, China); Y.-P. Yang, I.-C. Yang, National Central Univ. (Taiwan, China); Y.-L. Tsai, H.-F. Liao, Y.-J. Lin, W.-Y. Lee, China Univ. of Science and Technology; Y.-T. Tsai, National Central Univ. (Taiwan, China)
- 8308 1T **Three-wavelength multiplexer/demultiplexer based on photonic crystal ring resonator and cavities** [8308-35]
J. Zhang, X.-M. Xu, L.-J. He, Nanchang Univ. (China)
- 8308 1U **Highly efficient channel drop filter based on photonic crystal one-way waveguide** [8308-64]
H. Ren, H. Wen, Y. Qin, S. Guo, Zhejiang Univ. of Technology (China); W. Hu, C. Jiang, Y. Jin, Shanghai Jiao Tong Univ. (China)
- 8308 1V **Intracavity frequency doubling of PPKTP-based optical parametric oscillator** [8308-65]
Q. Li, J. Tian, Beijing Univ. of Technology (China); X. Zhang, Y. Song, L. Wang, Beijing Univ. of Technology (United States)
- 8308 1W **Dual-depletion-region lumped electroabsorption modulator for low capacitance and expected high bandwidth** [8308-66]
Y. Shao, L. Zhao, H. Yu, J. Pan, B. Wang, H. Zhu, W. Wang, Institute of Semiconductors (China)

- 8308 1X **Polyatomic photonic crystal waveguides with semi-slow light and tailored dispersion properties** [8308-69]
D. Wang, Lanzhou Univ. of Technology (China) and Beijing Univ. of Posts and Telecommunications (China); J. Zhang, Beijing Univ. of Posts and Telecommunications (China); L. Yuan, J. Lei, Lanzhou Univ. of Technology (China); S. Chen, J. Han, Y. Zhao, Beijing Univ. of Posts and Telecommunications (China)
- 8308 1Y **Microscopic study on the carrier distribution in optoelectronic device structures: experiment and modeling** [8308-70]
W. Huang, H. Xia, S. Wang, H. Deng, P. Wei, Shanghai Institute of Technical Physics (China); L. Li, F. Liu, Institute of Semiconductors (China); Z. Li, T. Li, Shanghai Institute of Technical Physics (China)
- 8308 1Z **Modeling of white light emitting diodes (WLED) based on GaN/InGaN multi quantum dots structure** [8308-71]
A. Rostami, B. Rostami Dogolsara, H. Rasooli Saghai, M. Leilaieoun, Univ. of Tabriz (Iran, Islamic Republic of)
- 8308 20 **Zinc oxide nanoplates for ultraviolet radiation detection** [8308-72]
M. Dolatyari, E. Amini, H. Shekari, A. Bakhtiari, A. Rostami, Univ. of Tabriz (Iran, Islamic Republic of)
- 8308 21 **Ultrahigh-speed all-optical wavelength conversion for PolSK signal based on parallel dual-pump FWM in SOA** [8308-73]
P. Li, W. Shi, Nanjing Univ. of Posts and Telecommunications (China); D. Huang, Wuhan National Lab. for Optoelectronics (China)
- 8308 22 **Multiwavelength converter exploiting cross-gain modulation in SFRL** [8308-74]
T. Pan, P. Li, S. Huang, Z. Zhao, Nanjing Univ. of Posts and Telecommunications (China)
- 8308 24 **Hybrid-integrated coherent receiver using silica-based planar lightwave circuit technology** [8308-76]
J.-H. Kim, J.-S. Choe, K.-S. Choi, C.-J. Youn, D.-J Kim, S.-H. Jang, Y.-H. Kwon, E.-S. Nam, Electronics and Telecommunications Research Institute (Korea, Republic of)
- 8308 26 **Preparation of gold colloid and its surface-enhanced Raman scattering properties** [8308-78]
L. Hu, Z. Chen, N. Chen, W. Zhang, H. Zhu, S. Liu, T. Wang, Shanghai Univ. (China)
- 8308 27 **Multichannel analog-to-digital converters based on current mirrors for the optical systems** [8308-79]
V. G. Krasilenko, Open International Univ. of Human Development (Ukraine); A. I. Nikolskyy, M. A. Nikolska, Vinnitsa National Technical Univ. (Ukraine); R. F. Lobodzinska, Open International Univ. of Human Development (Ukraine)
- 8308 29 **Experimental research on 10 Gb/s all-optical logic gates with return-to-zero data in high nonlinear fiber** [8308-81]
W. Wang, J. Yu, Tianjin Univ. (China); B. Han, Tianjin Univ. (China) and Shanxi Datong Univ. (China); J. Guo, J. Luo, J. Wang, Y. Liu, E. Yang, Tianjin Univ. (China)

- 8308 2A **40GHz optoelectronic oscillator with low-frequency optical and microwave devices** [8308-82]
B. Han, Tianjin Univ. (China) and Shanxi Datong Univ. (China); J. Yu, W. Wang, J. Guo, J. Wang, E. Yang, Tianjin Univ. (China)
- 8308 2B **The effect of growth temperature on InAs quantum dots grown by MOCVD** [8308-83]
T. Li, X. Guo, Q. Wang, P. Wang, Z. Jia, X. Ren, Y. Huang, S. Cai, Beijing Univ. of Posts and Telecommunications (China)
- 8308 2C **Effect of boron on the surface and optical properties for (B)InAs/GaAs self-assembled quantum dots grown by MOCVD** [8308-84]
P. Wang, Q. Wang, X. Guo, Z. Jia, T. Li, X. Ren, S. Cai, Beijing Univ. of Posts and Telecommunications (China)
- 8308 2D **Analysis and optimization of a dual-absorption RCE photodetector for high-speed applications** [8308-85]
D. Li, Y. Huang, X. Duan, W. Wang, X. Ren, Beijing Univ. of Posts and Telecommunications (China)
- 8308 2E **Design and analysis of resonant cavity enhanced photodetector by using InP-based concentric circular subwavelength grating** [8308-86]
T. Wang, Y. Huang, X. Duan, Y. Shang, W. Wang, X. Ren, Beijing Univ. of Posts and Telecommunications (China)
- 8308 2F **Study of the dynamics of the nonlinear polarization rotation in a semiconductor optical amplifier** [8308-87]
O. Pérez-Cortés, Ctr. de Investigación Científica y de Educación Superior de Ensenada (Mexico); A. Albores-Mejia, Eindhoven Univ. of Technology (Netherlands); H. Soto-Ortiz, Ctr. de Investigación Científica y de Educación Superior de Ensenada (Mexico)
- 8308 2G **Analysis of SHB and thermal characteristics in PC-VCSEL considering photonic crystal parameters** [8308-88]
G. Haghighat, V. Ahmadi, S. Pahlavan, Tarbiat Modares Univ. (Iran, Islamic Republic of)

Author Index

Symposium Committees

Honorary General Chairs

Tingye Li, AT&T Laboratories (retired) (United States)
Bingkun Zhou, Tsinghua University (China)

General Chairs

Jian-Jun He, Zhejiang University (China)
Ken-ichi Kitayama, Osaka University (Japan)
Xingde Li, Johns Hopkins University (United States)

Technical Program Chairs

Perry Shum, Nanyang Technological University (Singapore)
Yikai Su, Shanghai Jiao Tong University (China)
Arthur Chiou, National Yang-Ming University (Taiwan, China)

Local Organizing Committee

Yunqi Liu, Shanghai University (China)
Ronghui Qu, Shanghai Institute of Optics and Fine Mechanics (China)
Tingyun Wang, Shanghai University (China)
Xiaobei Zhang, Shanghai University (China)

Steering Committee Chairs

Ming-Jun Li, Corning USA (United States)
John Zyskind, Oclaro, Inc. (United States)

Steering Committee Members

Sailing He, Zhejiang University (China)
Peter Kaiser, Telcordia Technologies (retired)
Connie Chang-Hasnain, University of California, Berkeley (United States)
Chongcheng Fan, Tsinghua University (China)
Mao Qian, WRI-Fiberhome (China)
Xiaomin Ren, Beijing University of Posts & Telecommunications (China)

Conference Committee

Conference Chair

Guang-Hua Duan, III-V Laboratory (France)

Conference Cochairs

Yidong Huang, Tsinghua University (China)

Yoshiaki Nakano, The University of Tokyo (Japan)

Liming Zhang, Alcatel-Lucent Bell Laboratories (United States)

Program Committee

Sheng-Lung L. Huang, National Taiwan University (Taiwan, China)

Wei-Ping Huang, McMaster University (Canada)

Yong-Zhen Huang, Institute of Semiconductors (China)

Akihiko Kasukawa, The Furukawa Electric Company, Ltd. (Japan)

Christian Lermينياux, Université de Technologie Troyes (France)

Lih-Yuan Lin, University of Washington (United States)

Ting Mei, South China Normal University (China)

Graham Trevor Reed, University of Surrey (United Kingdom)

Haisheng Rong, Intel Corporation (United States)

Jung H. Shin, KAIST (Korea, Republic of)

Junqiang Sun, Huazhong University of Science and Technology (China)

Kiyoto Takahata, NTT Photonics Laboratory (Japan)

Dries Van Thourhout, Universiteit Gent (Belgium)

Valery I. Tolstikhin, OneChip Photonics Inc. (Canada)

Shih-Yuan Wang, Hewlett-Packard Laboratories (United States)

Zhiping Zhou, Peking University (China)