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Integrated Optics: Devices, Materials, and Technologies XIX

**Jean-Emmanuel Broquin
Gualtiero Nunzi Conti**
Editors

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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.

Contents

vii	<i>Authors</i>
ix	<i>Conference Committee</i>
xi	<i>Introduction</i>

SESSION 1 PHOTONICS INTEGRATION I

9365 03	Hybrid and heterogeneous photonic integrated circuits for high-performance applications (Invited Paper) [9365-2]
9365 06	Heterointegrated III-V/Si distributed feedback lasers [9365-5]

SESSION 2 DIFFRACTIVE PHOTONICS

9365 08	Low-crosstalk fabrication-insensitive echelle grating multiplexers and passives for the silicon photonics toolbox [9365-7]
---------	---

SESSION 3 PLASMONICS

9365 0D	Hybrid metallic ion-exchanged waveguides for SPR biological sensing [9365-18]
9365 0G	Analytical model of the modal characteristics of plasmonic slot waveguide [9365-15]

SESSION 4 WAVEGUIDE ENGINEERING

9365 0H	Silicon photonics non-resonant wavelength filters: comparison between AWGs, echelle gratings, and cascaded Mach-Zehnder filters (Invited Paper) [9365-16]
9365 0J	Polarization independent electro-optical waveguides with liquid crystals in isotropic phase [9365-17]

SESSION 5 ON CHIP ACTIVE DEVICES

9365 0M	Spiral amplifiers in α-Al₂O₃:Er on a silicon chip with 20 dB internal net gain [9365-21]
9365 0N	Liquid crystal clad waveguide laser scanner and waveguide amplifier for LADAR and sensing applications [9365-22]

9365 0P **High index contrast potassium double tungstate waveguides towards efficient rare-earth ion amplification on-chip** [9365-24]

9365 0Q **Polymer optical waveguide composed of europium-aluminum-acrylate composite core for compact optical amplifier and laser** [9365-25]

SESSION 6 POLYMER TECHNOLOGY

9365 0R **Recent progress in InP/polymer-based devices for telecom and data center applications (Invited Paper)** [9365-26]

9365 0T **Air-suspended polymer rib waveguides** [9365-28]

9365 0V **Low-loss sharp bends in low contrast polymer hybrid metallic waveguides** [9365-30]

SESSION 7 PHOTONICS INTEGRATION II

9365 0X **A fully static OCT sensor using a glass integrated optic chip bonded to a CCD linear camera** [9365-32]

9365 0Z **Inductively coupled plasmas (ICP) etching of PZT thin films for fabricating optical waveguide with photoresist/aluminum bilayer masking** [9365-35]

SESSION 8 ON CHIP RESONATORS

9365 11 **Nanoscale devices based on plasmonic coaxial waveguide resonators** [9365-12]

9365 13 **Slot waveguide ring resonators for visible wavelengths in ALD titanium dioxide** [9365-39]

9365 14 **Resonant enhanced low-power nonlinear tuning capability using an As₂S₃ waveguide on LiNbO₃** [9365-40]

SESSION 9 OPTOFLUIDICS

9365 15 **Femtosecond laser micromachining for the realization of fully integrated photonic and microfluidic devices (Invited Paper)** [9365-41]

9365 17 **Integrated opto-microfluidics platforms in lithium niobate crystals for sensing applications** [9365-43]

9365 18 **Optofluidic waveguides written in hydrophobic silica aerogels with a femtosecond laser** [9365-44]

POSTER SESSION

- 9365 19 **Multi-functional optical signal processing using optical spectrum control circuit** [9365-45]
- 9365 1C **Low-loss segmented joint structure between a slab waveguide and arrayed waveguides designed by simple optimization method** [9365-48]
- 9365 1D **Total internal reflection mirror-based ultra-sensitive triangular ring resonator sensor on the surface plasmon resonance condition** [9365-49]
- 9365 1E **Silica-on-silicon based 650/1550nm wavelength Mux/Demux for swept source OCT** [9365-50]
- 9365 1F **Design and simulation of integrated optical interferometers fabricated in polymer foils** [9365-51]
- 9365 1G **Characterization of sidewall Bragg gratings using optical low-coherence interferometry with a broadband source** [9365-52]
- 9365 1I **External cavity laser using a InAs quantum dot gain chip and an arrayed-waveguide grating for T-band optical communications** [9365-54]
- 9365 1J **LED absorption sensor system for the detection of organics in water** [9365-55]
- 9365 1K **Experimental demonstration of directive Si₃N₄ optical leaky wave antenna with semiconductor perturbations at near infrared frequencies** [9365-56]

Authors

Numbers in the index correspond to the last two digits of the six-digit citation identifier (CID) article numbering system used in Proceedings of SPIE. The first four digits reflect the volume number. Base 36 numbering is employed for the last two digits and indicates the order of articles within the volume. Numbers start with 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B...0Z, followed by 10-1Z, 20-2Z, etc.

Akturk, S., 18	Hayashi, Shuhei, 19
Anderson, Michael H., 0N	Häyrynen, Markus, 13
Argiolas, N., 17	Heck, Martijn J. R., 03
Asakura, Hideaki, 1C, 1I	Herek, J. L., 0M
Barbier, D., 0X	Hofmann, Meike, 1F
Ben-Bakir, Badhise, 06, 08	Honkanen, Seppo, 13
Benech, P., 0X	Hu, Guohua, 0Z
Bernhardi, E. H., 0M	Huang, Yuwang, 1K
Bettella, G., 17	Idris, Nazirul Afham, 1C, 1I
Blasl, Martin, 0J	Ikedo, Tatsuhiko, 19
Bogaerts, Wim, 0H	Irmeler, Nico, 0T
Bonneville, C., 0X	Ishigure, Takaaki, 0Q
Bornhorst, Kirstin, 0J	Ismail, Yehea, 0G
Boyraz, Ozdal, 1K	Jany, Christophe, 06
Brinker, Walter, 0R	Ji, Taeksoo, 1J
Broquin, J. E., 0D	Johnson, Seth, 0N
Bucci, D., 0D	Jonas, A., 18
Campione, Salvatore, 1K	Karnutsch, Christian, 0T
Capolino, Filippo, 1K	Keil, Norbert, 0R
Cassagnettes, C., 0X	Kim, Chi Hoon, 1J
Charette, P. G., 0D	Kim, Doo-Gun, 1D
Chauvet, M., 17	Kim, Hong-Seung, 1D
Choi, Young-Wan, 1D	Kim, Tae-Ryong, 1D
Ciampolillo, M. V., 17	Kiraz, A., 18
Coenen, A. R., 0V	Kleeßen, Philipp, 0T
Costache, Florenta, 0J	Kleinert, Moritz, 0R
Cui, Yiping, 0Z	Kotb, Rehab, 0G
Dallery, Jacques A., 08	Kuittinen, Markku, 13
Dastmalchi, P., 1I	Le Coarer, E., 0X
Davis, Scott R., 0N	Li, Manqing, 0Z
de Bonnault, S., 0D	Lycett, Richard J., 08
de Felipe, David, 0R	Madsen, Christi K., 14, 1G
Descos, Antoine, 06	Maese Novo, Alejandro, 0R
Dijkstra, M., 0V	Mahigir, A., 1I
Duprez, Hélène, 06, 08	Martin, B., 0X
Dwivedi, Sarvagya, 0H	Menezes, Sylvie, 08
Eaton, S. M., 15	Mitani, Marina, 0Q
Eom, Joo Beom, 1J	Mitchell, Arnan, 0T
Erkey, C., 18	Mizuno, Takayuki, 19
Fan, S., 1I	Möhrle, Martin, 0R
Ferrotti, Thomas, 06	Morand, A., 0X
Fukui, Toshimi, 0Q	Morova, Y., 18
Gallagher, Dominic F. G., 08	Myko, André, 06
García-Blanco, Sonia M., 0M, 0P, 0V	Osellame, R., 15
Ghibaudo, E., 0X	Ozbakir, Y., 18
Guclu, Caner, 1K	Pace, A., 0V
Guichardaz, B., 17	Pathak, Shibnath, 0H
Harduin, Julie, 06, 08	Pauliac, Sebastien, 08
Hassan, Karim, 08	Pollnau, M., 0M

Pozza, G., 17
 Prokop, Christoph, 0T
 Puget, R., 0X
 Qi, Zhipeng, 0Z
 Ramponi, R., 15
 Rommel, Scott D., 0N
 Roussey, Matthieu, 13
 Ruocco, Alfonso, 0H
 Sada, C., 17
 Sawado, Yoshinori, 1I
 Säynätjoki, Antti, 13
 Sciancalepore, Corrado, 06, 08
 Seassal, Christian, 06
 Sefunc, Mustafa Akin, 0P, 0V
 Segerink, Frans, 0P
 Shibutani, Hideki, 1I
 Shibuya, K., 1C
 Shin, W., 1I
 Sun, Xiaohan, 1E
 Swillam, Mohamed A., 0G
 Takahashi, Hiroshi, 19
 Thomas, F., 0X
 Tomomatsu, Yasunori, 1I
 Tsuda, Hiroyuki, 19, 1C, 1I
 van de Meent, W., 0V
 Vázquez-Córdova, S. A., 0M
 Veronis, G., 1I
 Wan, Suiren, 1E
 Wang, Xin, 14, 1G
 Warzecha, A., 0X
 Weidenmueller, Ulf, 08
 Wörhoff, K., 0M
 Wu, Zhongwei, 1E
 Xiao, Yanfen, 1F
 Yalizay, B., 18
 Yamashita, Kenichi, 0Q
 Yoshizawa, Katsumi, 1I
 Yu, Anthony W., 0N
 Zaltron, A., 17
 Zappe, Hans, 1F
 Zawadzki, Crispin, 0R
 Zermatten, P. J., 0D
 Zhang, Chen, 14, 1G
 Zhang, Lixing, 0Z
 Zhang, Xuan, 1E
 Zhang, Ziyang, 0R
 Zhao, Qiancheng, 1K
 Zhou, Hui, 1E
 Zhou, Yifeng, 14
 Zhu, Qin, 0Z

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 Pierre Berini, University of Ottawa (Canada)
- 4 Waveguide Engineering
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- 5 On Chip Active Devices
 Jean-Emmanuel Broquin, IMEP-LAHC (France)
- 6 Polymer Technology
 Robert A. Norwood, College of Optical Sciences, The University of
 Arizona (United States)
- 7 Photonics Integration II
 Gualtiero Nunzi Conti, Istituto di Fisica Applicata Nello Carrara (Italy)
- 8 On Chip Resonators
 Gualtiero Nunzi Conti, Istituto di Fisica Applicata Nello Carrara (Italy)
- 9 Optofluidics
 Romeo Bernini, Istituto per il Rilevamento Elettromagnetico
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Introduction

Whether you are a confirmed scientist or a student, an academic, or working for a company, you will find in these proceedings of the nineteenth Photonics West conference on "Integrated Optics: Devices, Materials, and Technology" a picture of this still evolving, dynamic and exciting field.

This year's conference once again reflected that aspect by its diversity in applications, from communications to sensing, as well as in technologies and materials, including not only silicon photonics, but for instance also glass and polymer technologies. Indeed, we believe that the cross-fertilization of ideas is one of the keys to major breakthroughs in science!

In these proceedings, the reader will therefore find a wide range of exciting advances from the most recent achievements in photonic integration, to the latest developments in plasmonic waveguides and in optofluidic devices, as well as sessions dedicated to high performance on chip resonators, or innovative rare-earth-doped based devices.

One can also find articles written by students, who quite often give their first international talk at this conference, together with papers from renowned scientists in the field. Because today's students are tomorrow's scientific leaders, our conference always promotes their participation and will keep-on doing, so thanks also to SPIE.

If "Integrated Optics: Technology, Devices and Materials" is one the oldest conference of the SPIE Optoelectronics symposium (celebrating its 20th anniversary next year!), it is, of course, because of the quality of the scientific work that has been presented through years. It is also because of the dedication of all the members of the program committee who willingly accept spending a part of their time in building this conference and finding all the exciting invited talks that we see every year.

To the committee members, to all the speakers and authors, and to all the SPIE staff who makes the logistics run so smoothly, we would like to say thank you very much and we long to see you next year.

Jean-Emmanuel Broquin
Gualtiero Nunzi Conti