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Front Matter: Volume 10622

, "Front Matter: Volume 10622," Proc. SPIE 10622, 2017 International Conference on Optical Instruments and Technology: Micro/Nano Photonics: Materials and Devices, 1062201 (12 January 2018); doi: 10.1117/12.2317483

SPIE.

Event: International Conference on Optical Instruments and Technology 2017, 2017, Beijing, China

PROCEEDINGS OF SPIE

*2017 International Conference on Optical
Instruments and Technology*

Micro/Nano Photonics: Materials and Devices

**Baojun Li
Xingjun Wang
Ya Sha Yi**
Editors

**28–30 October 2017
Beijing, China**

Sponsored by
CIS — China Instrument and Control Society (China)
SPIE

Published by
SPIE

Volume 10622

Proceedings of SPIE 0277-786X, V. 10622

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

2017 International Conference on Optical Instruments and Technology: Micro/Nano Photonics:
Materials and Devices, edited by Baojun Li, Xingjun Wang, Ya Sha Yi, Proc. of SPIE Vol. 10622,
1062201 · © 2018 SPIE · CCC code: 0277-786X/18/\$18 · doi: 10.1117/12.2317483

Proc. of SPIE Vol. 10622 1062201-1

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Author(s), "Title of Paper," in *2017 International Conference on Optical Instruments and Technology: Micro/Nano Photonics: Materials and Devices*, edited by Baojun Li, Xingjun Wang, Ya Sha Yi, Proceedings of SPIE Vol. 10622 (SPIE, Bellingham, WA, 2018) Seven-digit Article CID Number.

ISSN: 0277-786X
ISSN: 1996-756X (electronic)

ISBN: 9781510617551
ISBN: 9781510617568 (electronic)

Published by

SPIE

P.O. Box 10, Bellingham, Washington 98227-0010 USA

Telephone +1 360 676 3290 (Pacific Time) · Fax +1 360 647 1445

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Introduction

Micro/Nano photonics is a rising interdisciplinary field which is focused on the study of the behavior of light on the micro/nano meter scale. It is considered a branch of optical engineering which deals with optics, or the interaction of light with particles or substances, at deep subwavelength length scales. Micro/Nano photonics can provide high bandwidth, high speed and ultra-small optoelectronic components. This technology has the potential to revolutionize telecommunications, computation, sensing, optical storage, optical display, optical manipulation, solar energy utilization, and lithography, etc.

With the importance of this technology in mind, the Micro/Nano photonics, Materials and Devices Conference of OIT 2017 was organized. The conference accepted over 50 papers from different countries/areas of the world, which are focused on the design, fabrication, and application of micro/nanostructures, and crossed many research disciplines including silicon photonics integration, active nanomaterials, plasmonics, biophotonics, nonlinear optics, nanostructure device, and fabrication technology. We also invited renowned scholars to present their cutting-edge breakthroughs. These experts and contributors added to an intellectually stimulating environment.

As the Conference Chairs, we would like to express our appreciation to the committee members for their support, to the presenters for devoting their precious time to writing intriguing articles, and to the reviewers for their helpful comments. We are also grateful to the staff of SPIE for their efforts in publishing these Proceedings.

Baojun Li
Xingjun Wang
Yasha Yi

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