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Front Matter: Volume 10832

, "Front Matter: Volume 10832," Proc. SPIE 10832, Fifth Conference on Frontiers in Optical Imaging Technology and Applications, 1083201 (7 November 2018); doi: 10.1117/12.2515574

SPIE.

Event: Fifth Conference on Frontiers in Optical Imaging Technology and Applications, 2018, Changchun, China

PROCEEDINGS OF SPIE

Fifth Conference on Frontiers in Optical Imaging Technology and Applications (FOI 2018)

**Junhao Chu
Wenqing Liu
Huilin Jiang**
Editors

**25–27, July 2018
Hefei, China**

Organized by

Chinese Society for Optical Engineering (China)
Photoelectronic Technology Committee, CSA (China)
The Key Laboratory of Polarization Imaging Detection Technology (China)

Sponsored by

Chinese Society for Optical Engineering (China)
Chinese Academy of Engineering (China)
National Natural Science Foundation of China (China)

Published by
SPIE

Volume 10832

Proceedings of SPIE 0277-786X, V. 10832

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

Fifth Conference on Frontiers in Optical Imaging Technology and Applications (FOI 2018), edited
by Junhao Chu, Wenqing Liu, Huilin Jiang, Proc. of SPIE Vol. 10832, 1083201 · © 2018 SPIE
CCC code: 0277-786X/18/\$18 · doi: 10.1117/12.2515574

Proc. of SPIE Vol. 10832 1083201-1

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Please use the following format to cite material from these proceedings:

Author(s), "Title of Paper," in *Fifth Conference on Frontiers in Optical Imaging Technology and Applications (FOI 2018)*, edited by Junhao Chu, Wenqing Liu, Huilin Jiang, Proceedings of SPIE Vol. 10832
(SPIE, Bellingham, WA, 2018) Seven-digit Article CID Number.

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

ISBN: 9781510622890
ISBN: 9781510622906 (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
SPIE.org

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Introduction

We had the great honor of organizing The Fifth Conference on Frontiers in Optical Imaging Technology and Applications (FOI 2018). It was a great pleasure for us to greet more than 300 participants from the many different countries who attended. We firmly believe this conference will become an important international event in the field of optical imaging technology.

The Fifth Conference on Frontiers in Optical Imaging Technology and Applications (FOI 2018) was sponsored by the Chinese Society for Optical Engineering, Chinese Academy of Engineering, and National Natural Science Foundation of China, and was organized by the Chinese Society for Optical Engineering, Photoelectronic Technology Committee, CSA, (China) and the Key Laboratory of Polarization Imaging Detection Technology (China).

The purpose of this conference is to provide a forum for the participants to report and review innovative ideas and up-to-date progress and developments and discuss novel approaches to applications in the optical imaging field. It is sincerely hoped that, as a result, research and development in optical imaging field will be promoted, and international cooperation will be enhanced.

On behalf of the other Co-chairmen, and the Organization Committee, I would like to heartily thank our sponsors and cooperating organizers for all they have done for the conference. Thanks also to all the authors for their contributions to the proceedings, to all of the participants and friends for their interests and effort in helping us to make the conference possible, to the Program Committee for its effective work and valuable advice, especially the Secretariat, and to SPIE staff for their tireless efforts and outstanding service in preparing and publishing the proceedings.

Junhao Chu