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**Anand Asundi
Qian Kemao**
Editors

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Ajeetkumar Patil, OPSS India (India)
Saroj Pullteap, Thailand Optics and Photonics Society (Thailand)
Kemao Qian, OPSS Singapore (Singapore)
Athikom Roeksabutr, Mahanakorn University of Technology (Thailand)
Rahmat, Indonesian Optical Society (Indonesia)
Nan Thidar Chit Swe, Optics and Photonics Special Interest Group of Myanmar (Myanmar)
Mg Mg Yin, Optics and Photonics Special Interest Group of Myanmar (Myanmar)
Yutao Zhang, OPSS China (China)

Best Student Presentation Award Committee

Chao Zuo, Chair, Nanjing University of Science and Technology (China)
Qican Zhang, Sichuan University (China)
Zhonghua Zhang, Hebei University (China)
Haxia Wang, Zhejiang University of Technology (China)
Shijie Feng, Nanjing University of Science and Technology (China)

Session Chairs

Laser Interferometry
Shuichi Arikawa, Meiji University (Japan)

Advances in Digital Holography Techniques
Jianglei Di, Northwestern Polytechnic University (China)

High-Accuracy Optical Deformation Measurement of Large Engineering Structures

Xiaoyuan He, Southeast University (China)

Xinxing Shao, Southeast University (China)

Optical Imaging and Machine Vision

Fan Hua, Qilu University of Technology (China)

2D-/Stereo-/Volumetric Digital Image Correlation and Applications

Zhenyu Jiang, South China University of Technology (China)

Non-Destructive Evaluation and Testing

Zhanwei Liu, Beijing Institute of Technology (China)

Optical Fabrication and Testing

Ailing Tian, Xi'an Technological University (China)

Intelligent 3D Imaging and Computing

Chenxing Wang, Southeast University (China)

Deformation and Shape Measurement

Qinghua Wang, AIST (Japan)

Zhongwei Li, Huazhong University of Science and Technology (China)

High-Speed 3D Metrology

Yajun Wang, Wuhan University (China)

Advanced Optical Profilometry

Jing Xu, Tsinghua University (China)

Wenlong Lu, Huazhong University of Science and Technology (China)

Optical Methods in Experimental Mechanics

Satoru Yoneyama, Aoyama Gakuin University (Japan)

Motoharu Fujigaki, University of Fukui (Japan)

Information-Rich Metrology

Yingjie Yu, Shanghai University (China)

Deflectometry

Zonghua Zhang, Hebei University of Technology (China)

Coherent and Incoherent Biophase Imaging

Chao Zuo, NJUST (China) and Warsaw University of Technology (Poland)

Micro/Nano Optics and Materials

Zhihui Chen, Taiyuan University of Technology (China)

Introduction

The international conference on Optical and Photonic Engineering (icOPEN) is the flagship event of the Optics and Photonics Society of Singapore (OPSS). This year's conference was held on beautiful Phuket Island and was the seventh edition of this conference series since its inception in 2011. icOPEN2019 attracted a total of 225 participants from more than 13 countries and included four plenary sessions, 13 keynote presentations, 41 invited talks, 97 oral presentations and 38 poster presentations. The invited talks and oral presentations were divided into 23 parallel sessions, covering the wide and flourishing area of optical and photonic engineering. Best student papers were selected, with SPIE and OPSS as sponsors.

We would like to thank all the committee members, session organizers, speakers, reviewers, listeners, and sponsors for your enthusiastic participation, and for making the conference a great success. We hope to see you again at future icOPEN events. We are excited to present this volume of peer-reviewed full papers. Enjoy reading!

Anand Asundi
Kemao Qian