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**Anand Asundi
Qian Kemao**
Editors

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Contents

ix	<i>Authors</i>
xiii	<i>Conference Committee</i>
xvii	<i>Introduction</i>

3D OPTICAL METROLOGY AND OPTICAL ENGINEERING

11205 02	Tunable polarization-independent guided-mode resonance filters [11205-117]
11205 03	Feasibility study on autogenously lap joint between non-ferrous metal alloys using low power fiber laser [11205-71]
11205 04	Designing a silicon waveguide for tunable wavelength conversion in terahertz region [11205-108]
11205 05	Automatic phase aberration compensation for digital holographic microscopy based on rotation and transpose [11205-18]
11205 06	Bragg diffraction properties of tunable cascaded volume holographic gratings [11205-101]

ADVANCED OPTICAL MEASUREMENT

11205 07	A new phase analysis method using mean intensity on speckle interferometry for measuring dynamic phenomena [11205-79]
11205 08	Verification of the direct measurement principle of linear velocity using Sagnac effect [11205-1]

ADVANCES IN DIGITAL HOLOGRAPHY TECHNIQUES

11205 09	Quantitative evaluation of the defocusing degree in fringe projection profilometry [11205-5]
11205 0A	Parallel computing method for generating hologram of 3D objects using layer-based method [11205-42]
11205 0B	Research of two-translation pick-and-place parallel mechanism [11205-26]
11205 0C	The optimization criteria for resolution improvement in a lens-free on-chip digital holographic microscope [11205-116]

COHERENT AND INCOHERENT BIOPHASE IMAGING

- 11205 OD **Phase-shifting ESPI micro-deformation testing algorithm and experimental research** [11205-53]
- 11205 OE **Improved multi-slice Fourier ptychographic microscopy technique for high-accuracy three-dimensional tomography under oblique illuminations** [11205-102]
- 11205 OF **Fast correction method for the fringe order error in multi-frequency phase unwrapping algorithm** [11205-14]
- 11205 OG **Fourier ptychography: effectiveness of image classification** [11205-104]
- 11205 OH **Propagation of Stokes parameters in oceanic turbulence** [11205-48]
- 11205 OI **Speckle quantitative phase imaging based on coherence effect compensation** [11205-95]
- 11205 OJ **Isotropic quantitative phase imaging with optimal differential phase contrast illumination scheme** [11205-93]

COMPUTER VISION AND FIBER OPTICS

- 11205 OK **A novel tracker based on the kernelized correlation filter** [11205-3]
- 11205 OL **Reconstruction of underwater images with distortion using robust image registration** [11205-15]
- 11205 OM **3D optical measuring and data processing applied in flexible electronics manufacturing** [11205-62]
- 11205 ON **A swallowing detection method based on FBG sensor for radiotherapy** [11205-58]
- 11205 OO **Fringe pattern filtering using convolutional neural network** [11205-70]
- 11205 OP **A modified Laplacian phase unwrapping algorithm** [11205-84]
- 11205 OQ **A study on palm vein image generation using near infrared images and color images based on deep learning** [11205-32]
- 11205 OR **A robust visual tracking via nonlocal correlation filters** [11205-45]
- 11205 OS **Real-time 3D human motion capture from binocular stereo vision and its use on human body animation** [11205-59]
- 11205 OT **A study on depth map generation using a light field camera and a monocular RGB camera based on deep learning** [11205-74]

DIC AND NON-DESTRUCTIVE TESTING AND INSPECTION

- 11205 0U **Design and development of fiber optics laser power transfer standard under scientific collaboration MOU between NIMT and PTB** [11205-88]
- 11205 0V **Rose gold saturable absorber for Q-switching application** [11205-50]
- 11205 0W **Study on intensity modulated POF vibration sensors** [11205-54]
- 11205 0X **Application of ultra-small gradient-index fiber probe in spectrum analyzer** [11205-35]
- 11205 0Y **Ratiometric optical fiber carbon dioxide sensor based on CdSe/ZnS QDs and Polym-H7 doped in EC matrix** [11205-90]
- 11205 0Z **Narrow linewidth random fiber laser with a π -phase-shifted FBG** [11205-22]
- 11205 10 **High-speed multiplexed fiber laser acoustic emission sensing system using 3×3 coupler and FPGA parallel processing algorithm** [11205-23]
- 11205 11 **Applications of optical fiber sensor technology for prioritized industry in Thailand development strategy: a review** [11205-76]

HIGH-ACCURACY OPTICAL DEFORMATION MEASUREMENT OF LARGE ENGINEERING STRUCTURES

- 11205 12 **Automatic dimension inspection of industrial parts based on 3D point cloud** [11205-103]
- 11205 13 **Defects identification in fiber reinforced plastics using long pulse thermography** [11205-69]
- 11205 14 **Precision detection of small modulus gear based on polychromatic laser confocal ranging technology** [11205-67]
- 11205 15 **Low-cost tunable light source using RGB-LED module for absorption spectroscopy** [11205-68]
- 11205 16 **Quantitative detection of buffalo milk adulteration with cow milk using Fourier transform near infrared spectroscopy** [11205-33]
- 11205 17 **Polarization scattering characteristics of surface micro-morphology of optical elements** [11205-114]
- 11205 18 **Monitoring system for corrosion in metal structures using a probe based hyperspectral imager** [11205-82]

IMAGE PROCESSING AND DEEP LEARNING

- 11205 19 **A simple authentication-based optical security method** [11205-46]
- 11205 1A **Method of detecting the defects of the end face of steel coils** [11205-6]
- 11205 1B **Denoising in spatial particle tomography on multi-layer holography reconstruction by deep learning** [11205-9]
- 11205 1C **On-road multiple obstacles detection using color images and LiDAR point clouds** [11205-12]
- 11205 1D **Image recovery through turbid water under wide distance ranges** [11205-55]
- 11205 1E **Image restoration in water turbulence using image registration and blind deconvolution** [11205-80]
- 11205 1F **Part defect recognition based on 2D and 3D feature combination** [11205-110]
- 11205 1G **A robust matching method for fast 3D shape measurement using digital speckle correlation** [11205-36]
- 11205 1H **A phase-guided method for extracting the contour of the fusion area in laser powder bed fusion** [11205-37]

INFORMATION-RICH METROLOGY

- 11205 1I **Image grating: a novel technology for position measurement** [11205-8]
- 11205 1J **Thickness measurement of transparent plate based on wavelength-tuning interferometry** [11205-40]
- 11205 1K **High speed data transmission and storage system based on SoC** [11205-92]
- 11205 1L **Determination of surface profiles of transparent plates by means of frequency estimation with wavelength tuning interferometry** [11205-27]
- 11205 1M **Improvement of the quality of the interferogram based on the Gaussian process regression** [11205-83]

INTELLIGENT 3D IMAGING AND COMPUTING

- 11205 1N **Fringe projection based visual servoing for cylindrical surface positioning task** [11205-109]
- 11205 1O **Face recognition on 3D point clouds** [11205-20]

- 11205 1P **Flexible calibration method for fringe projection profilometry system using spheres** [11205-21]
- 11205 1Q **Deep learning-based single frame phase retrieval** [11205-87]
- 11205 1R **High-accuracy disparity acquisition using the phase-shift method and the fringe pattern stereo matching network** [11205-61]
- 11205 1S **Extraction algorithm of image feature point based on multi-scale fusion information** [11205-81]

LASER MICRO-NANO PROCESSING AND OPTICAL SIMULATION

- 11205 1T **Optimal analysis of trajectory parameters for the double-sided polishing in planetary motion mode** [11205-11]
- 11205 1U **Acousto-optic modulation using ZnO transducer in multicore fiber** [11205-60]
- 11205 1V **Model-based wavefront sensorless control with magnetic fluid deformable mirror for large aberration corrections** [11205-4]
- 11205 1W **Magnetic fluid deformable mirror for correcting off-axis aberrations of liquid mirror telescope** [11205-44]
- 11205 1X **Performance optimization of liquid crystal optical phased array beam based on stochastic parallel gradient descent algorithm** [11205-34]
- 11205 1Y **Transformation optofluidics: control of light propagation in a chip** [11205-43]
- 11205 1Z **All-optical logic AND/NAND gates using two symmetric micro ring resonators** [11205-2]
- 11205 20 **Room temperature performance of InAs-GaAs quantum dot laser emitting at 1.3 μm** [11205-49]

PHOTOMECHANICS

- 11205 21 **Speckle quantitative phase imaging camera based on the transport of intensity equation** [11205-97]
- 11205 22 **An inertial measurement unit aided binocular stereo vision calibration for field applications** [11205-66]
- 11205 23 **High precision 2D-displacement measurement of lattice pattern using image processing** [11205-89]
- 11205 24 **Prototyping of high-speed full-field birefringence measurement equipment** [11205-51]

VISION, IMAGING, ACQUISITION, AND DISPLAY

- 11205 25 **Depth information calculation method for unstructured objects based on deep neural network** [11205-57]
- 11205 26 **A GPU assisted space frequency method for dynamic defect detection in optical metrology** [11205-13]
- 11205 27 **Full-surface 3D reconstruction based on surround structured lighting** [11205-100]
- 11205 28 **Automatic detection and dimensional measurement of concrete bridge crack based on machine vision** [11205-111]
- 11205 29 **3D reconstruction method for laser spiral scanning point cloud** [11205-25]
- 11205 2A **Design and development of ZnO based device for biosensing applications** [11205-118]
- 11205 2B **High-speed three-dimensional shape measurement based on robust Gray-code coding strategies** [11205-24]
- 11205 2C **High dynamic range and fast 3D measurement based on a telecentric stereo-microscopic system** [11205-91]
- 11205 2D **Real-time 3D point cloud registration** [11205-96]
- 11205 2E **Fast panoramic 3D shape measurement using the multi-view system with plane mirrors** [11205-98]
- 11205 2F **Real time three-dimensional shape measurement with phase-to-height lookup table** [11205-28]
- 11205 2G **Integrated imaging research based on lenticular lens and projection equipment** [11205-10]
- 11205 2H **A fringe projection profilometry scheme based on embedded speckle patterns and robust principal component analysis** [11205-65]
- 11205 2I **Plain medicine tablet identification using geometric invariant image matching** [11205-63]
- 11205 2J **A method for dynamic 3D shape measurements based on multiple-shot FTP and motion compensation** [11205-64]
- 11205 2K **Research on high precision image measurement system** [11205-78]
- 11205 2L **Nonlinear property of neurotransmitter dopamine probed by Z-scan technique** [11205-52]

Authors

Numbers in the index correspond to the last two digits of the seven-digit citation identifier (CID) article numbering system used in Proceedings of SPIE. The first five 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.

Abdul Khudus, Muhammad Imran Mustafa, 0V
Abdul Latiff, Anas, 0V
Ahmad, Muhammad Taufiq, 0V
Ai, Zhongyan, 0N
Ajithaprasad, Sreepasad, 26
Amiri, I. S., 04
Anchan, Bhavana, 2A
Arikawa, Shuichi, 07
Asundi, Anand, 0F
Bharti, Gaurav Kumar, 1Z
Cao, Zhan, 1V, 1W
Chaiyanate, Jirapad, 16
Chen, Dingfu, 0D, 1M
Chen, Dongxun, 0K, 0R
Chen, Jinbo, 1A, 1C, 25
Chen, Kai, 29
Chen, Qian, 0C, 0E, 0I, 0J, 21, 27, 2C, 2D, 2E
Chen, Wen, 19, 1D
Chen, Zhe, 1N
Cheng, Fang, 1I
Cheng, Xiaoxi, 2G
Cheng, Xu, 1G
Chu, Cheng-Shane, 0Y
Da, Feipeng, 1O, 1P
Dai, Zehang, 2G
Dantala, D., 0W
De, Shounak, 2A
Deng, Dingnan, 05
Dhirhe, D., 0H, 20
Dinakar, D., 0W
Ding, Jianjun, 14
Duan, Chengpu, 2H, 2J
Duan, Duanzhi, 14
Fan, Hua, 2K
Fan, Yao, 0I, 0J, 21
Fang, Huilin, 2G
Feng, Sheng, 0M
Feng, Shijie, 27, 2C, 2D, 2E
Feng, Weiwu, 22
Fu, Fengzhi, 2K
Fu, Shaowei, 1I
Fujigaki, Motoharu, 2F
Gai, Shaoyan, 1P, 1S
Gannavarpu, Rajshekhar, 26
Gao, Hongyue, 2G
Gao, Zhifang, 0A
Gomi, Kenji, 23, 24
Guan, Qingze, 0P, 1Q
Guo, Gaoran, 10
Guo, Qinghua, 2H, 2J
Guo, Wenbo, 2B, 2F
Gupta, N., 0H, 20
Han, Yongsheng, 13
Harun, Sulaiman Wadi, 0V
Hasegawa, Makoto, 0Q, 0T
He, Changxin, 1E
He, Piyao, 1H
He, Wenqi, 05
He, Xiaoyuan, 1K
Hegde, Sapthami, 2A
Hirano, Shigeru, 23
Hosseinabadi, S., 04
Hu, Wei, 1C, 25
Hu, Yan, 2C, 2D
Hu, ZhiJuan, 06, 0G
Huang, Jia, 0A
Huang, Wenzhu, 0Z, 10
Huang, Yong-an, 0M
Iqbal, Azhar, 1V
Ishiyama, Rui, 2I
Iwata, Eizaburo, 0Q
Iwata, Kodai, 08
Jain, A., 20
Jamadon, Nashrah Hani, 03
Janasekaran, Shamini, 03
Jiang, Hongzhi, 12, 1F
Jiang, Zhen, 0B, 0K, 0R
Jiang, Zhuangde, 14
Jin, Fuquan, 0M
Kamath U., Saritha, 2A
Kamoldilok, Surachart, 15
Kini, Sudarshan, 2A
Kishore Putha, M., 0W
Kudo, Yuta, 2I
Kuo, Wen-Kai, 02
Lapcharoensuk, Ravipat, 16
Lei, Jingtao, 1C, 25
Li, Chenchen, 1T
Li, Fang, 10
Li, Fei, 0A
Li, Ji, 0N
Li, Jiachao, 27
Li, Jianrong, 14
Li, Jiaxing, 0O, 1B
Li, Jinquan, 1N
Li, Lan-ting, 1X
Li, Na, 1F
Li, Shuang, 0S

Li, Suna, 2G
 Li, Wenlong, 0M
 Li, Xudong, 12, 1F
 Li, Zhongwei, 1G, 1H
 Liang, Yichao, 2C
 Liu, Bingcai, 17
 Liu, Cong, 09
 Liu, Jicheng, 2G
 Liu, Mei, 1A, 1C, 25
 Liu, Mengjun, 1I
 Liu, Weiguo, 17
 Liu, Xiaoli, 05
 Liu, Xiaopeng, 09
 Liu, Xingjian, 1H
 Liu, Yangpeng, 14
 Lo, Jih-Ching, 0Y
 Lu, Lei, 2H, 2J
 Lu, Linpeng, 0I, 2I
 Luan, Xinqun, 0X
 Ma, Shaojun, 1G
 Makino, Kengo, 2I
 Mbemba, Dziki, 1V, 1W
 Merin Antony, Maria, 18
 Miao, Shuaijie, 0Z
 Mo, Hui, 1F
 Mohd Rusdi, Muhammad Farid, 0V
 Nagakubo, Ryo, 08
 Niitsu, Yasushi, 23, 24
 Niu, Penglei, 2K
 Niu, Qi-feng, 1X
 Nontapot, Kanokwan, 0U
 Padmavanthi, M., 0W
 Pakarzadeh, H., 04
 Pan, Xiangpeng, 0J
 Patil, Ajeetkumar, 2A
 Peng, Xiang, 05
 Phetnak, Achiraya, 16
 Phongwisit, Phachara, 15
 Poon, Ting-Chung, 0G
 Pullteap, S., 1I
 Qian, Jiaming, 2C, 2D
 Qian, Jinwu, 0N
 Qiao, Jiacheng, 0F
 Qu, Weijuan, 05
 Rajendran, Vigneshwar, 26
 Rakshit, Jayanta Kumar, 1Z
 Rao, Jinjun, 1A, 1C, 25
 Roeksabutr, Athikom, 1U
 Rosol, Ahmad Haziq Aiman, 0V
 Sakshi, Sakshi, 2L
 Samartkit, P., 1I
 Sandeep, C. S. Suchand, 18
 Sawano, Hiroshi, 08
 Sharma, A., 20
 Shen, Linyong, 0N
 Sheng, Zhichao, 0P, 1Q
 Shi, Hong-wei, 1T, 1X
 Shi, Jiaqi, 0O, 1M
 Shi, Qifan, 1G
 Shi, Yusheng, 1H
 Song, Chaolong, 1Y
 Su, Hanyue, 0D
 Sun, Jianmei, 0X
 Sun, Jiasong, 0C, 0E, 0I, 0J, 2I
 Sun, Tao, 0O, 1J, 1L
 Takahashi, Kyoma, 07
 Takahashi, Takehiro, 23
 Takahashi, Toru, 2I
 Takamatsu, Makoto, 0Q, 0T
 Tao, Tianyang, 27, 2C, 2D, 2E
 Thaisongkroh, P., 1I
 Tian, Ailing, 17
 Tian, Y., 1S
 Tipaphong, Weraphan, 15
 Tjahjowidodo, Tegoeh, 1I
 Tokuke, Reo, 0Q
 Tong, Jun, 2H, 2J
 Tongpakpanang, Jaturon, 0Z
 Tripathy, Umakanta, 2L
 Tsang, Peter W. M., 0G
 Tu, Xin, 1Y
 Unnikrishnan, Gopinathan, 0H
 Vadakke Matham, Murukeshan, 18
 Wa, Dasen, 1T
 Wang, Chengfei, 1K
 Wang, Chenxing, 0P, 1O, 1P, 1Q
 Wang, Chi, 0X
 Wang, Chun-yang, 1T, 1X
 Wang, Congjun, 1G, 1H
 Wang, Dasen, 17
 Wang, Fanzhou, 0P, 1Q
 Wang, Hongzhou, 0B
 Wang, Lin, 0G
 Wang, Peifeng, 19
 Wang, Shengzi, 0N
 Wang, Tao, 1C, 25
 Wang, Xian, 28
 Wang, Yuanyuan, 1V, 1W
 Wei, Qingsong, 1H
 Wei, Xiang, 1V, 1W
 Wei, Xupeng, 0S, 1R
 Wei, Yanjie, 13
 Wei, Yanxia, 0K, 0R
 Winichai, Supakit, 16
 Wu, Jialiang, 1W
 Wu, Xiaoyan, 1B
 Wu, Zhizheng, 1V, 1W
 Wu, Zhoujie, 2B, 2F
 Xi, Jiangtao, 2H, 2J
 Xi, Juntong, 0F
 Xiao, Bo, 0A
 Xiao, Yin, 19, 1D
 Xu, Hao, 27
 Xu, Jing, 1N
 Xu, Qulei, 1J, 1L
 Xu, Yingjun, 1K
 Xu, Zhe, 1C, 25
 Xu, Zhihong, 09
 Yalashetty, A., 20
 Yan, Aimin, 06

Yan, Ketao, 0O, 1B
Yan, Ruopeng, 1Y
Yang, Chen, 27
Yang, Chenye, 0X
Yang, Ru, 0B
Yang, Tao, 0S, 1R
Yang, Tianlong, 28
Yang, Xiao-Cong, 29
Yang, Xu, 0L
Yang, Yunran, 1Y
Yanjie, Wei, 13
Yao, Pandeng, 12
Ye, Ming, 2G
Yelashetty, A., 0H, 20
Yin, Wei, 27, 2C, 2E
Yin, Zhuoyi, 09
Yu, Jian, 1O, 1P
Yu, Yanguang, 2H, 2J
Yu, Yi, 1O
Yu, Yingjie, 0A, 0D, 0O, 0X, 1B, 1J, 1L, 1M
Yuan, H., 1S
Yusof, Farazila, 03
Zhan, Kai, 29
Zhang, Chunwei, 0F
Zhang, Da, 29
Zhang, Dongsheng, 13, 22
Zhang, Guang-ping, 1X
Zhang, Guanliang, 1R
Zhang, Hao, 2G
Zhang, Hongbo, 0G
Zhang, Jialin, 0C, 0I, 21
Zhang, Pan, 1G
Zhang, Peng, 1K
Zhang, Qican, 2B, 2F
Zhang, Shuiqiang, 13, 22
Zhang, Wentao, 0Z, 10
Zhang, Ya'nan, 0N
Zhang, Yichi, 22
Zhang, Yingge, 17
Zhang, Yiwei, 2H, 2J
Zhang, Yue, 0X
Zhang, Yuze, 1G
Zhang, Zhen, 0L, 1E
Zhang, Zhenyang, 0F
Zhang, Zhongzhi, 0S, 1R
Zhang, Zhu, 1V
Zhang, Ziyu, 1O
Zhao, Hong, 0F
Zhao, Huijie, 12, 1F
Zhao, Qiancheng, 28
Zheng, Huadong, 0A
Zheng, Weiwei, 1J, 1L
Zhong, Kai, 1G, 1H
Zhou, Gang, 1H
Zhou, Lina, 1D
Zhou, WenJing, 0G
Zhou, Xiang, 0S, 1R
Zhu, Liting, 1A
Zuo, Chao, 0C, 0E, 0I, 0J, 21, 27, 2B, 2C, 2D, 2E

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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

