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Laser Communication Technologies and Systems

**Keith E. Wilson
Jing Ma
Liren Liu
Huilin Jiang
Xizheng Ke**
Editors

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Contents

xiii	<i>Conference Committee</i>
xv	<i>Introduction</i>

LASER COMMUNICATION TECHNOLOGIES AND SYSTEMS

8906 02	Optimal design of a new type space laser communication optical system [8906-1] P. Yan, X. Deng, H. Zhang, Xi'an Institute of Optics and Precision Mechanics (China)
8906 03	Design and implementation of omni-directional light source and receiving system used in underwater wireless optical communication [8906-2] J. Rao, W. Yao, Naval Univ. of Engineering (China); N. Chen, Hudongzhonghua Shipbuilding Co., Ltd. (China)
8906 04	Optical power influence on PLL of BPSK homodyne receiver [8906-3] H. Guo, L. Zhang, B. Wang, W. Zhang, China Academy of Space Technology (China)
8906 05	A new chromatic dispersion compensation method based on genetic algorithm [8906-4] C. Liu, J. Qin, Z. Huang, Y. Zhang, National Univ. of Defense Technology (China)
8906 06	LDPC codes in wireless optical communication application [8906-7] G. Qi, X. Yang, W. Fan, Univ. of Electronic Science and Technology of China (China)
8906 07	Variable structure multiple model tracking for airborne laser communication systems [8906-10] Y. Cao, J. Guo, L. Huang, Chongqing Univ. of Technology (China)
8906 08	Study on simulation and experiment of laser micro-Doppler effect for detecting complex vibration [8906-12] S. Yuan, Yantai Univ. (China); J. Zhang, Automotive Engineering Vocational College (China); M. Liu, J. Zhang, Yantai Univ. (China)
8906 09	Effect of beam wander on the scintillation characterization for multiple beams [8906-13] W. Wu, Anhui Institute of Optics and Fine Mechanics (China), Univ. of Chinese Academy of Sciences (China), and National Univ. of Defense Technology (China); Q. Sun, G. Ren, Y. Ning, R. Du, National Univ. of Defense Technology (China); Y. Wu, Anhui Institute of Optics and Fine Mechanics (China)
8906 0A	The non-continuous optical signal identification and data storage on the case of atmospheric disturbances [8906-14] S. Yu, Y. Liu, J. Ma, L. Tan, Harbin Institute of Technology (China)

- 8906 0B **Models for phase fluctuation of laser light in turbulent medium** [8906-19]
M. Liu, X. Liu, Naval Aeronautical Engineering Univ. (China) and Key Lab. on Signal and Information Processing (China); M. Chen, Shandong Light Industry Engineering School (China); H. Wang, Naval Aeronautical Engineering Univ. (China) and Key Lab. on Signal and Information Processing (China)
- 8906 0C **Research on receiving performance of receiver antenna array in free space optical communication system** [8906-20]
Y. Wang, China Jiliang Univ. (China) and Harbin Institute of Technology (China); Q. Zhang, China Jiliang Univ. (China); J. Ma, L. Tan, Harbin Institute of Technology (China)
- 8906 0E **An all-optical encryption system for multi-wave signals** [8906-22]
J. Duan, Xi'an Telecommunication College (China) and Xi'an Institute of Optics and Precision Mechanics (China); Y. Wen, Xi'an Telecommunication College (China); T. Duan, Xi'an Institute of Optics and Precision Mechanics (China); X. Xie, Xi'an Telecommunication College (China) and Xi'an Institute of Optics and Precision Mechanics (China)
- 8906 0F **An integrated all-optical encryption scheme for multi-wave 8×80Gbps signal based on LibNO₃ waveguide** [8906-23]
J. Duan, Xi'an Telecommunication College (China) and Xi'an Institute of Optics and Precision Mechanics (China); Y. Wen, Xi'an Telecommunication College (China); T. Duan, Xi'an Institute of Optics and Precision Mechanics (China); X. Xie, Xi'an Telecommunication College (China) and Xi'an Institute of Optics and Precision Mechanics (China)
- 8906 0G **The principle of space coherent laser communication based on Costas phase-locked loop** [8906-24]
Y. Zheng, J. Zheng, S. Tong, H. Jiang, W. He, Changchun Univ. of Science and Technology (China)
- 8906 0H **Research on optimum local oscillator laser power of the space coherent laser communication** [8906-25]
Y. Zheng, J. Zheng, S. Tong, H. Jiang, W. He, Changchun Univ. of Science and Technology (China)
- 8906 0I **The optimization of FHT-based ACO-OFDM atmospheric laser communication system in terms of PAPR reduction** [8906-28]
Q. Guo, Y. Wei, Y. Duan, Beijing Univ. of Posts and Telecommunications (China)
- 8906 0J **The optimized structure design in improving the bandwidth of fast steering mirror** [8906-29]
X. Zhai, F. Qi, H. Zhang, D. Jin, Changchun Institute of Engineering and Technology (China)
- 8906 0K **Effect of the incidence angle to free space optical communication based on cat-eye modulating retro-reflector** [8906-30]
L. Zhang, H. Sun, Y. Zhao, Y. Zheng, C. Shan, Academy of Equipment (China)
- 8906 0L **The research of adaptive-exposure on spot-detecting camera in ATP system** [8906-33]
F. Qian, J.-J. Jia, L. Zhang, J.-Y. Wang, Shanghai Institute of Technical Physics (China)

- 8906 OM **Study of acquisition technology of scanning in satellite-to-ground laser communication** [8906-36]
J. Wang, Shanghai Institute of Technical Physics (China) and Shandong Univ. (China);
Y. Ma, Shanghai Institute of Technical Physics (China); W. Zhu, Shandong Univ. (China);
J. Qiang, Shanghai Institute of Technical Physics (China)
- 8906 ON **Aerosol optical depth characteristics in Yinchuan area** [8906-37]
Y. Zhang, J. Mao, Z. Rao, F. Zhang, Beifang Univ. of Nationalities (China)
- 8906 OO **SPM photon detection circuit design** [8906-39]
T. Hu, Y. Zhao, Y. Liu, Electro-optical Information Security Control Lab. (China)
- 8906 OP **Judd-Ofelt analysis and mid-infrared emission properties of Ho³⁺-Yb³⁺ co-doped tellurite oxy-halide glasses** [8906-40]
W. Zhang, Tongji Univ. (China); L. Rong, J. Ren, No.23 Research Institute of China Electronic Technology Corp. Group (China); Y. Jia, S. Qian, J. Lin, Tongji Univ. (China)
- 8906 OQ **Experimental research of optical preamplifier receiver for RZ-DPSK based on delay interferometer** [8906-42]
K. Zhang, Xi'an Institute of Optics and Precision Mechanics (China) and Univ. of Chinese Academy of Sciences (China); W. Wang, W. Zhao, Xi'an Institute of Optics and Precision Mechanics (China); X. Xie, F. Qian, Xi'an Institute of Optics and Precision Mechanics (China) and Xi'an Communication College (China)
- 8906 OR **Simulation of optical pulse compression using parabolic pulse with linear chirp** [8906-44]
Z. Wang, The Armed Police Academy (China)
- 8906 OS **Performance analysis of high altitude platform multi-hop optical communication with non-regenerative system** [8906-47]
X. Wang, S. Zhao, L. Shi, Y. Li, G. Zheng, G. Zhao, Z. Zhu, Air Force Engineering Univ. (China)
- 8906 OT **Research on characteristics of free-space optical communication link in weak atmospheric turbulence** [8906-48]
L. Cui, Z. Hou, Anhui Institute of Optics and Fine Mechanics (China); F. Li, Anhui Institute of Optics and Fine Mechanics (China) and Electronic Engineering Institute (China)
- 8906 OU **Effect of light source parameters on the polarization properties of the beam** [8906-49]
D. Liu, Changchun Univ. of Science and Technology (China); Y. Liu, Changchun Institute of Optics, Fine Mechanics and Physics (China); H. Jiang, Z. Liu, X. Zhou, H. Fang, Changchun Univ. of Science and Technology (China)
- 8906 OV **60 nm tunable multi-wavelength fiber laser with Brillouin gain loop** [8906-51]
T. Wang, P. Zhang, Q. Jia, H. Jiang, Changchun Univ. of Science and Technology (China)
- 8906 OW **Research on modulation properties of atmospheric wireless optical communication** [8906-52]
H. Fang, Fundamental Science on Space-Ground Laser Communication Technology Lab. (China); Y. Liu, Changchun Institute of Optics, Fine Mechanics and Physics (China); Z. Liu, D. Liu, X. Zhou, Changchun Univ. of Science and Technology (China)

- 8906 0X **Scheduling algorithm for data relay satellite optical communication based on artificial intelligent optimization** [8906-53]
W. Zhao, J. Zhao, S. Zhao, Y. Li, X. Wang, Y. Dong, C. Dong, Air Force Engineering Univ. (China)
- 8906 0Y **Echo scintillation index affected by cat-eye target's caliber in FSO communication** [8906-54]
C. Shan, H. Sun, L. Zhang, Academy of Equipment (China)
- 8906 0Z **Polarization phase shifting lateral shearing interferometer** [8906-55]
L. Liu, A. Zeng, Shanghai Institute of Optics and Fine Mechanics (China) and Univ. of Chinese Academy of Sciences (China); L. Zhu, Shanghai Institute of Optics and Fine Mechanics (China); Q. Song, H. Huang, Shanghai Institute of Optics and Fine Mechanics (China) and Univ. of Chinese Academy of Sciences (China)
- 8906 10 **The influence of atmospheric turbulence on IM/DD space optical communication system** [8906-57]
A. Wei, Xi'an Institute of Optics and Precision Mechanics (China) and Univ. of Chinese Academy of Sciences (China); B. Han, W. Zhao, X. Xie, Xi'an Institute of Optics and Precision Mechanics (China); H. Hu, Y. Su, K. Zhang, Xi'an Institute of Optics and Precision Mechanics (China) and Univ. of Chinese Academy of Sciences (China)
- 8906 11 **Two methods for measuring optical return loss of optical devices in laser propagation system** [8906-58]
Q. Sun, J. Yan, Z. Zhang, The 41st Research Institute of China Electronics Technology Group Corp. (China)
- 8906 12 **Research on UV scattering communication** [8906-60]
K. Dong, Y. Lou, Y. Ding, S. Wang, Changchun Univ. of Science and Technology (China); H. Wang, Military Representative Office of PLA 2nd Artillery in Beijing (China); H. Jiang, Changchun Univ. of Science and Technology (China)
- 8906 13 **Active disturbance rejection controller of fine tracking system for free space optical communication** [8906-61]
N. Cui, Y. Liu, X. Chen, Y. Wang, Harbin Institute of Technology (China)
- 8906 14 **Design of laser monitoring and sound localization system** [8906-64]
Y. Liu, X. Xu, Y. Dai, Y. Qiao, Changchun Univ. of Science and Technology (China)
- 8906 15 **Research of narrow pulse width, high repetition rate, high output power fiber lasers for deep space exploration** [8906-66]
Y. Tang, H. Li, Y. Wang, Z. Hao, D.-Y. Xiao, Changchun Univ. of Science and Technology (China)
- 8906 16 **Study of laser scintilla characteristics in the atmosphere** [8906-67]
Q. Fu, C. Chen, H. Jiang, Z. Liu, Z. Li, Changchun Univ. of Science and Technology (China)
- 8906 17 **A novel fiber laser based on Rayleigh scattering feedback with a half-opened cavity** [8906-68]
P. Zhang, T. Wang, Q. Jia, X. Liu, M. Kong, S. Tong, H. Jiang, Changchun Univ. of Science and Technology (China)

- 8906 18 **An ultra-narrow linewidth multiwavelength fiber laser without linear gain** [8906-69]
Q. Jia, T. Wang, P. Zhang, X. Liu, S. Tong, M. Kong, H. Jiang, Changchun Univ. of Science and Technology (China)
- 8906 19 **Research on demodulation technology of atmospheric laser communication system base on CPoISK** [8906-70]
X. Zhou, Changchun Univ. of Science and Technology (China); Y. Liu, Changchun Institute of Optics, Fine Mechanics and Physics (China); Z. Liu, D. Liu, H. Fang, M. Zheng, Changchun Univ. of Science and Technology (China)
- 8906 1A **Monte Carlo simulation of laser pulse after underwater propagation** [8906-71]
X. Hu, Shanghai Institute of Optics and Fine Mechanics (China) and Univ. of Chinese Academy of Sciences (China); T. Zhou, Y. He, X. Zhu, W. Chen, Shanghai Institute of Optics and Fine Mechanics (China)
- 8906 1B **Centroid measurement error of CMOS detector in the presence of detector noise for inter-satellite optical communications** [8906-72]
X. Li, Shanghai Institute of Satellite Engineering (China) and Harbin Institute of Technology (China); S. Zhou, Shanghai Institute of Satellite Engineering (China); J. Ma, L. Tan, T. Shen, Harbin Institute of Technology (China)
- 8906 1C **Influence of sea-air interface on upward laser beam propagation** [8906-75]
T. Zhou, Y. He, X. Zhu, W. Chen, Shanghai Institute of Optics and Fine Mechanics (China) and Shanghai Key Lab. of All Solid-state Laser and Applied Techniques (China)
- 8906 1D **Monte Carlo simulation for temporal characteristics of pulse laser propagation in discrete random medium** [8906-79]
P. Wang, New Star Research Institute of Applied Technology (China); H. Yuan, New Star Research Institute of Applied Technology (China) and Key Lab. of Atmospheric Component and Optics (China); H. Mei, Key Lab. of Atmospheric Component and Optics (China); Q. Zhang, New Star Research Institute of Applied Technology (China)
- 8906 1E **Comparison of dispersion compensation for DQPSK modulated formats in 100Gbps DWDM optical communication system** [8906-80]
P. Zhang, D. Feng, W. Huang, Shandong Univ. (China); D. Jia, Tianjin Univ. (China)
- 8906 1F **The influence of inhomogeneous gain on high-frequency phase of chemical laser beam** [8906-83]
F. Fu, Xi'an Univ. of Arts and Science (China); B. Zhang, Sichuan Univ. (China)
- 8906 1G **An analysis on set-forward of laser guide active jamming** [8906-84]
F. Liu, J. Ying, Mechanical Engineering College (China); M. Liu, 72465 Unit (China)
- 8906 1H **A new optical antenna based on fiber coupling system and aspherical optical system** [8906-85]
Y. Wang, S. Tian, Communication Univ. of China (China)

- 8906 1I **Optical signal transmission characteristics in slant path of blue-green laser communication links** [8906-86]
Y. Ding, Univ. Key Lab. of Communication and Signal Processing (China) and Key Lab. of Communication Networks and Information Processing (China); L. Song, Q. Liu, Univ. Key Lab. of Communication and Signal Processing (China), Key Lab. of Communication Networks and Information Processing (China), and Dalian Univ. (China); C. Pan, Univ. Key Lab. of Communication and Signal Processing (China) and Key Lab. of Communication Networks and Information Processing (China)
- 8906 1J **Design of compact off-axis four-mirror anastigmatic system for space communications** [8906-87]
F. Zhao, Q. Sun, K. Chen, X. Zhu, S. Wang, G. Wang, X. Zheng, The 41st Research Institute of China Electronics Technology Group Corp. (China)
- 8906 1K **Improved beam steering efficiency of large deflection angle for periodic grating** [8906-88]
J. Zhou, L. Kong, F. Xiao, J. Zhuo, X. Yang, Univ. of Electronic Science and Technology of China (China)
- 8906 1L **The research of high efficient optical fiber coupling technology in space laser communication** [8906-92]
H. Wang, S. Tong, L. Zhang, H. Yang, Changchun Univ. of Science and Technology (China)
- 8906 1M **Design the RS(255,239) encoder and interleaving in the space laser communication system** [8906-93]
Y. Lang, S. Tong, Changchun Univ. of Science and Technology (China)
- 8906 1N **Based on ground station adaptive optics for laser communications demonstration platform structures** [8906-96]
L. Zhang, S. Tong, H. Wang, H. Yang, Changchun Univ. of Science and Technology (China)
- 8906 1O **The red light VCSEL for network communication** [8906-98]
Y. Deng, C. Yan, J. Shi, L. Xu, Y. Feng, Y. Hao, Y. Zhao, Changchun Univ. of Science and Technology (China)
- 8906 1P **The research of high-speed clock in space laser communication** [8906-105]
H. Yang, S. Tong, L. Zhang, H. Wang, Changchun Univ. of Science and Technology (China)
- 8906 1Q **Real-time processor based on GPU for on-line performance evaluation of the 127-element adaptive optics system** [8906-108]
H. Zhou, Institute of Optics and Electronics (China) and Univ. of Chinese Academy of Sciences (China); L. Zhou, Institute of Optics and Electronics (China)
- 8906 1R **Measurement of atmospheric coherence length with differential movement of the image sensor** [8906-109]
Y. Jia, S. Tong, Changchun Univ. of Science and Technology (China)
- 8906 1S **Average capacity for PCB propagation in atmospheric turbulence on Earth-space path** [8906-111]
R. Yang, J. Hou, Y. Chen, Xidian Univ. (China); H. Chen, Guilin Univ. of Electronic Technology (China)

- 8906 1T **The research of methods to improve the control bandwidth for liquid crystal beam steering system** [8906-113]
Y. Hao, Y. Huang, Q. Wu, W. Xiao, Institute of Optics and Electronics (China)
- 8906 1U **Design of ground testing systems which are compatible with two kinds of communication terminals** [8906-116]
J. Jia, M. Yang, L. Zhang, J. Wu, Shanghai Institute of Technical Physics (China)
- 8906 1V **The infrared laser atmosphere scattering communication study based on "Non-line-of-sight"** [8906-117]
Z. Yang, D. Fan, X. Li, Y. Chen, Z. Feng, K. Sheng, G. Tao, D. Zhou, T. Hou, Southwest Institute of Technical Physics (China)
- 8906 1W **Theoretical and experimental study on methods for increasing squeezed level in the generation of squeezed light** [8906-118]
F. Feng, W. Qu, Xi'an Institute of Optics and Precision Mechanics (China) and Univ. of Chinese Academy of Sciences (China); J. Song, T. Zhang, Xi'an Institute of Optics and Precision Mechanics (China)
- 8906 1X **Vibration-induced jitter control in satellite optical communication** [8906-119]
Z. Xue, B. Qi, Institute of Optics and Electronics (China) and Univ. of Chinese Academy of Sciences (China); G. Ren, Institute of Optics and Electronics (China)
- 8906 1Y **H_∞ mix sensitivity controller design based on GIMC for electro-optical stabilization and tracking system** [8906-121]
Z. Liu, Institute of Optics and Electronics (China), Key Lab. of Beam Control (China), and Univ. of Chinese Academy of Science (China); Q. Bao, Institute of Optics and Electronics (China) and Key Lab. of Beam Control (China); Y. Xia, X. Liu, Institute of Optics and Electronics (China), Key Lab. of Beam Control (China), and Univ. of Chinese Academy of Science (China)
- 8906 1Z **Laser emitted through the off-axis Cassegrain antenna** [8906-123]
S. Lei, X. Ke, J. Chen, Xi'an Univ. of Technology (China)
- 8906 20 **Research of a portable atmospheric laser communication system** [8906-124]
W. Zeng, D. Li, S. Li, W. Tan, Z. Yi, Wuhan Mechanical College (China)
- 8906 21 **The quick acquisition technique for laser communication between LEO and GEO** [8906-126]
L. Zhang, R. Zhang, Y. Li, L. Meng, X. Li, Changchun Univ. of Science and Technology (China)
- 8906 22 **Acquisition and tracking system for 100km quantum entanglement distribution experiment** [8906-132]
B. Qi, Institute of Optics and Electronics (China) and Univ. of Chinese Academy of Sciences (China); H. Chen, G. Ren, Y. Huang, Institute of Optics and Electronics (China); J. Yin, J. Ren, Univ. of Science and Technology of China (China)
- 8906 23 **Method of high speed flow field influence and restrain on laser communication** [8906-133]
L. Meng, Changchun Univ. of Science and Technology (China) and Jilin Univ. (China); C. Wang, C. Qian, S. Wang, L. Zhang, Changchun Univ. of Science and Technology (China)

- 8906 24 **Simulation approach for the design of radiation-hardened Erbium doped fiber amplifiers** [8906-135]
J. Ma, Q. Liu, Y. Zhou, S. Yu, Harbin Institute of Technology (China)
- 8906 25 **BER of Gaussian beam propagation in non-Kolmogorov turbulent atmosphere on slant path** [8906-137]
R. Yang, Y. Chen, J. Hou, Xidian Univ. (China); H. Chen, Guilin Univ. of Electronic Technology (China)
- 8906 26 **Math analysis of two-axis rotation-mirror course-tracking system for laser communication** [8906-139]
X. Li, J. Sun, L. Bi, L. Zhang, L. Meng, Changchun Univ. of Science and Technology (China)
- 8906 27 **Research on optic antenna of space laser communication networking** [8906-140]
L.-X. Meng, Changchun Univ. of Science and Technology (China) and Jilin Univ. (China); L. Li, L. Zhang, S. Zhao, H. Jiang, Changchun Univ. of Science and Technology (China)
- 8906 28 **Multi-dimension pulse position modulation for RGB LEDs** [8906-142]
Y. Zhang, X. Ke, M. Xie, Y. Kang, Xi'an Univ. of Technology (China)
- 8906 29 **Real time basis-deviation measurement system based on BB84 module** [8906-144]
M. Zhang, J. Wu, L. Zhang, J. Jia, Z. He, S. Yang, F. Qian, J. Wang, Shanghai Institute of Technical Physics (China)
- 8906 2A **BER of flat-topped Gaussian beam in slant path turbulent atmosphere** [8906-145]
F. Lu, Y. Han, X. Han, R. Yang, Xidian Univ. (China)
- 8906 2B **Multi-wavelength Erbium-doped fiber laser with single mode fiber and high nonlinear fiber** [8906-146]
P. Wang, Y. Liu, X. Yu, Univ. of Electronic Science and Technology of China (China)
- 8906 2C **Angular magnification method of liquid crystal optical phased array based on telescope system** [8906-149]
F. Xiao, L. Kong, Univ. of Electronic Science and Technology of China (China)
- 8906 2D **Research for the jamming mechanism of high-frequency laser to the laser seeker** [8906-150]
X. Zheng, H. Zhang, Y. Wang, S. Feng, C. Zhao, Beijing Institute of Technology (China)
- 8906 2E **Experiment research on uniformity of multi-beam illumination** [8906-152]
Q. Sun, W. Wu, Y. Ning, B. Shu, National Univ. of Defense Technology (China)
- 8906 2F **The aero optics effect on near space laser communication optical system** [8906-157]
Y. Hu, Y. Fu, H. Jiang, Changchun Univ. of Science and Technology (China)
- 8906 2G **Intensity correlation of Gaussian Schell-model beam on slant turbulent atmosphere** [8906-158]
N. Xiang, Xian Yang Normal College (China) and Xidian Univ. (China); Z. Wu, Xidian Univ. (China); X. Hua, M. Wang, Xian Yang Normal College (China)

- 8906 2H **Studies of energy Strehl ratio of a collimated Gaussian beam in turbulent atmosphere**
[8906-160]
Y. Yan, B. Liu, B. Zhou, D. Wu, Mechanical Engineering College (China)

Author Index

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Introduction

We have had the great honor of organizing the Fifth International Symposium on Photoelectronic Detection and Imaging (ISPD1) in Beijing. It was truly a great pleasure for us to greet the more than 1,200 participants from many different countries attending ISPD1 2013! I firmly believe that the symposium will become an important international event in the field of photoelectronic detection and imaging technology.

ISPD1 2013 was sponsored by SPIE, The Optical Society, European Optical Society, and the Chinese Society of Astronautics, and was organized by the Photoelectronic Technology Committee, Chinese Society of Astronautics, Tianjin Jinhang Institute of Technical Physics, Science and Technology on Low Light Level Night Vision Laboratory, Science and Technology on Optical Radiation Lab. and Science and Technology on Electromagnetic Scattering Lab. There were 26 cooperating organizations that supported the meeting. Nearly 850 papers were accepted for presentation at ISPD1 2013, contributed by over 1,370 authors from more than 10 countries, including the United States, United Kingdom, Germany, France, Norway, Australia, Canada, Japan, Korea, Russia, China, and so on. We had seven plenary speeches and 135 famous scientists and experts from home and abroad to present the invited talks at 10 different conferences.

The purpose of ISPD1 2013 is to provide a forum for the participants to report and review the innovative ideas and up-to-date progress and developments, and discuss the novel approaches to applications in the field of photoelectronic detection and imaging. It is sincerely hoped that the research and developments in optical and photoelectronic fields will be promoted, and that international cooperation and the sharing of common interests will be enhanced.

On behalf of Prof. Konstantin Vodopyanov, and the other conference chairs, and the Organization Committee of ISPD1, I would like to heartily thank our sponsors and cooperating organizations for all they have done for the meeting. Thanks also to all the authors for their contributions to the proceedings, to all of the participants and friends for their interest and efforts in helping us make the symposium possible, to the Program Committee for their effective work and valuable advice, and especially the ISPD1 2013 Secretariat and the SPIE staff for their tireless effort and outstanding service in preparing the meeting and publishing the conference proceedings.

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