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**Farzin Amzajerian
Weibiao Chen
Chunqing Gao
Tianyu Xie**
Editors

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Contents

Part One

xix	<i>Symposium Committee</i>
xxi	<i>Conference Committee</i>
xxiii	<i>Introduction</i>
xxv	<i>Cooperating Organizations</i>

LASER SENSING AND IMAGING

8192 02	Lidar systems for precision navigation and safe landing on planetary bodies (Invited Paper) [8192-01] F. Amzajerjian, NASA Langley Research Ctr. (United States); D. Pierrottet, Coherent Applications, Inc. (United States); L. Petway, G. Hines, V. Roback, NASA Langley Research Ctr. (United States)
8192 03	Lidar technology for measuring trace gases on Mars and Earth (Invited Paper) [8192-02] H. Riris, NASA Goddard Space Flight Ctr. (United States); K. Numata, Univ. of Maryland, College Park (United States); S. Li, S. Wu, J. Abshire, NASA Goddard Space Flight Ctr. (United States); G. Allan, W. Hasselbrack, M. Rodriguez, Sigma Space (United States); J. Chen, S. Kawa, NASA Goddard Space Flight Ctr. (United States); J. Mao, C. Weaver, Univ. of Maryland, Baltimore County (United States); A. Yu, X. Sun, NASA Goddard Space Flight Ctr. (United States)
8192 04	Coral monitoring with fluorescence imaging lidar (Invited Paper) [8192-03] M. Sasano, N. Kiriya, H. Yamanouchi, A. Matsumoto, K. Hitomi, K. Tamura, National Maritime Research Institute (Japan)
8192 05	Development of long range, real-time, and high resolution 3D imaging ladar (Invited Paper) [8192-04] S. Kameyama, M. Imaki, A. Hirai, H. Tsuji, N. Kotake, M. Takabayashi, K. Asaka, Y. Hirano, Mitsubishi Electric Corp. (Japan)
8192 06	Investigation to the high-gain ultra-short length 1.54 μm fiber laser (Invited Paper) [8192-05] F. Song, C. Wei, Y. Cai, F. Wang, F. Wang, Nankai Univ. (China); W. Yang, North China Research Institute of Electro-optics (China); N. Chen, Nankai Univ. (China) and North China Research Institute of Electro-optics (China)
8192 07	Daytime photon counting lidar prototype in the Fraunhofer lines [8192-06] S. Wu, Ocean Univ. of China (China)
8192 08	Application analysis of enhanced video tracker in space optical communication [8192-09] X. Zhai, H. Zhang, H. Zhao, Z. Zhang, Changchun Institute of Engineering and Technology (China)
8192 09	Analysis of the evaluation function used in optimization of a relay mirror system [8192-11] H. Wu, H. Zhao, W. Wu, J. Chen, X. Xu, National Univ. of Defense Technology (China); C. Xiong, 92016 Dept. of PLR (China); J. Chen, 75818 Dept. of PLR (China)

- 8192 0A **Design of a novel laser-induced fluorescence spectrophotometer for water quality monitor based on virtual instrument and linear CCD** [8192-13]
Z. Ren, Jiangxi Science and Technology Normal Univ. (China); S. Huang, Jiangxi Agriculture Univ. (China); G. Liu, Z. Huang, L. Zeng, Jiangxi Science and Technology Normal Univ. (China)
- 8192 0B **A study of pump power absorption efficiency of a diode side-pumped thin disk laser** [8192-16]
W. Guo, C. Feng, Q. Li, L. Yan, M. Jiang, Beijing Univ. of Technology (China)
- 8192 0C **The optimization of some parameters in windowed Fourier transform ridge algorithm** [8192-18]
J. Cao, X. Lu, Z. Li, South China Normal Univ. (China)
- 8192 0D **1 nanosecond E-O Q-switched Nd:YVO₄ laser** [8192-19]
C. Feng, Q. Li, M. Jiang, J. Wang, W. Guo, Beijing Univ. of Technology (China)
- 8192 0E **Study on image fusion of the ladar image and visible image** [8192-20]
H. Lin, J. Li, Y. Tu, J. Li, Naval Petty Officer Academy (China)
- 8192 0F **Light-scattering characterization of transparent substrates for laser-gyro application** [8192-22]
K. Yang, Z. Wei, X. Long, Y. Zhao, J. Liu, National Univ. of Defence Technology (China)
- 8192 0G **Design of pulse laser micro-polishing system** [8192-25]
Q. Lin, X. Fu, F. L. Zhang, Tianjin Univ. (China)
- 8192 0H **Design on the optical screen target by using the line structured light laser** [8192-27]
H. Tian, J. Ni, Q. Lu, H.-W. Lu, Xi'an Technological Univ. (China)
- 8192 0I **3D shape measurement based on Hilbert transform** [8192-29]
F. Wang, Y. Xie, J. Guo, Z. Yin, L. Chen, Gannan Normal Univ. (China)
- 8192 0J **The influence of timing error on performance of optical pulse PPM system in atmospheric turbulence** [8192-30]
W. Fan, X. Yang, Y. E., Univ. of Electronic Science and Technology of China (China)
- 8192 0K **A novel velocity measuring system for fragments based on retroreflective laser screen** [8192-32]
D. Zhao, H. Zhou, North Univ. of China (China)
- 8192 0L **Vibration measurement based on time-average digital holography and the shearing interferometry** [8192-33]
F. Rao, X. Qian, Z. Peng, Kunming Univ. of Science and Technology (China)
- 8192 0M **Research on polarization of water and bubble scattering echo** [8192-35]
H. Wang, Y. Wang, S. Chen, Y. Qi, H. Liu, National Key Lab. of Science and Technology on Underwater Test and Control (China)
- 8192 0N **A method for pulsed scannerless laser imaging using focal plane array** [8192-36]
Z. Zhang, K. Wang, J. Deng, Y. Hai, Beijing Institute of Technology (China)

- 8192 0O **Picosecond timing synchronization control signal for 3D range-gated imaging** [8192-38]
J. Yang, Y. Zhou, S. Fan, X. Wang, Institute of Semiconductors (China)
- 8192 0P **Measurement of the elastic-optic effect of crystal using PM fiber optic low coherence interferometry** [8192-41]
J. H. Xing, Jiangsu Lab. of Advanced Functional Materials (China) and Changshu Institute of Technology (China)
- 8192 0Q **Wavefront pre-compensation for thermal deformations in a beam control system** [8192-43]
Q. Zhou, Z. Jiang, F. Xi, National Univ. of Defense Technology (China); L. Liu, Naval Aeronautical and Astronautical Univ. (China)
- 8192 0R **Laser pulse coded signal frequency measuring device based on DSP and CPLD** [8192-44]
H. Zhang, L. Cao, A. Geng, Y. Li, R. Guo, T. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 8192 0S **Monte Carlo simulation of laser attenuation characteristics in fog** [8192-46]
H. Wang, C. Sun, Y. Zhu, H. Sun, P. Li, Second Artillery Engineering Institute (China)
- 8192 0T **Measurement of the light backward scattering characteristics from a target with rough surface and its image processing** [8192-48]
M. Wang, Xianyang Normal Univ. (China) and Northwestern Polytechnical Univ. (China); L. Ying, Xianyang Normal Univ. (China); J. Xu, Northwestern Polytechnical Univ. (China); N. Xiang, Xianyang Normal Univ. (China) and Northwestern Polytechnical Univ. (China); D. Rong, Key Lab. of National Defense Science and Technology (China)
- 8192 0U **All-fiber mode-locked pulse fiber laser and super-continuum generation** [8192-51]
F. Yu, T. Ge, J. j. Dai, W. Zhang, P. Wang, Z. Wang, Beijing Univ. of Technology (China)
- 8192 0V **Investigation on the third-order optical nonlinearity of CdS using 4f coherent imaging technique with phase object** [8192-54]
Z. Li, C. Yi, S. Dong, Soochow Univ. (China); Y. Song, Soochow Univ. (China) and Harbin Institute of Technology (China)
- 8192 0W **Lasing from dye-doped planar cholesteric liquid crystal devices** [8192-55]
R. Wu, Q. Dai, B. Yan, Y. Liu, S. Xu, W. Quan, Shenyang Ligong Univ. (China)
- 8192 0X **Laser holographic precise micropressure measuring system** [8192-56]
Y. Wang, Beijing Union Univ. (China)
- 8192 0Y **High performance China-made coherent Doppler wind lidar prototype** [8192-58]
F. Zhang, H. Xue, Z. Liu, Y. Hu, J. Pan, L. Du, The 27th Research Institute of China Electronics Technology Group Corp. (China); J. Chen, Xidian Univ. (China); Y. Xing, Y. Zhang, The 27th Research Institute of China Electronics Technology Group Corp. (China)
- 8192 0Z **Satellite-borne high-resolution 3D active imaging lidar** [8192-59]
F. Zhang, H. Xue, Z. Liu, Y. Zhang, Y. Xing, G. Dong, S. Wang, X. Wu, Y. Song, The 27th Research Institute of China Electronics Technology Group Corp. (China)
- 8192 10 **Improved CenSurE feature and a new rapid descriptor of GSIP** [8192-60]
F. Chen, Huzhou Teachers College (China)

- 8192 11 **A research on real time three-dimensional lidar color image acquisition system** [8192-61]
H. Jiao, S. Qin, C. Hu, X. Wang, National Univ. of Defense Technology (China)
- 8192 12 **Evolution of phase singularities of Gaussian beams passing through an astigmatic aperture lens** [8192-63]
Y. Zhang, C. Ding, Z. Zhao, L. Pan, Luoyang Normal College (China)
- 8192 13 **Micro/nano displacement measurement using sub-pixel DSCM** [8192-64]
X. Li, Y. Tai, Henan Univ. of Science and Technology (China); Z. Nie, Univ. of Electro-Communications (Japan); L. Zhang, Henan Univ. of Science and Technology (China); Y. Wang, Xi'an Institute of Optics and Precision Mechanics (China)
- 8192 14 **A phase unwrapping algorithm based on Branch cuts for living cell's interference pattern** [8192-65]
M. Wang, X. Wang, Beijing Institute of Technology (China); G. Schmidt, D. T. Moore, J. L. McGrath, Univ. of Rochester (United States)
- 8192 15 **Construction of multi-functional open modulized Matlab simulation toolbox for imaging ladar system** [8192-66]
L. Wu, Y. Zhao, M. Tang, J. He, Y. Zhang, Harbin Institute of Technology (China)
- 8192 16 **A novel design and analysis of acoustical signal detection based on laser Doppler** [8192-67]
X. Meng, Changchun Univ. of Science and Technology (China) and Institute of Semiconductors (China); L. Li, H. Zeng, Y. Zhou, Institute of Semiconductors (China)
- 8192 17 **Electro-optically tunable Talbot phase array based on Mg:LiNbO₃** [8192-68]
J. Zhang, Y. Chen, B. Zhou, Beijing Jiaotong Univ. (China)
- 8192 18 **Surveillance photonic fence based on active range-gated imaging for night intrusion detection** [8192-69]
X. Wang, Y. Zhou, J. He, S. Fan, Y. Liu, Institute of Semiconductors (China)
- 8192 19 **Texture segmentation of non-cooperative spacecrafts images based on wavelet and fractal dimension** [8192-71]
K. Wu, X. Yue, Northwestern Polytechnical Univ. (China)
- 8192 1A **Two computer-generated holograms for testing convex aspheric surface** [8192-73]
X. Hong, P. Guo, J. Ren, Soochow Univ. (China) and Province Key Lab. of Modern Optical Technology of Jiangsu (China)
- 8192 1B **The investigation on mirrors maladjustment for RLG** [8192-74]
X. He, A. Gao, S. Hu, Z. Lu, Northwest Univ. (China)
- 8192 1C **Experimental study of SBS suppression with phase-modulation in all-fiber amplifier** [8192-75]
W. Du, P. Zhou, Y. Ma, X. Wang, J. Zhu, X. Dong, X. Xu, B. Shu, National Univ. of Defense Technology (China)
- 8192 1D **The exact simulation of visible supercontinuum generation pumped by a 400W continuous wave fiber laser** [8192-77]
Y. Wang, J. Hou, Y. Li, R. Song, Q. Lu, National Univ. of Defense Technology (China)

- 8192 1E **Design and application about a set of testing system of 1.06 μ m laser emission's transmitting performance** [8192-78]
X. Wang, Institute of Chemical Defense (China)
- 8192 1F **Theoretical study of diode-pumped Nd:YAG triple-frequency UV laser by LBO crystal** [8192-80]
Q. Dai, Y. Liu, Y. Li, J. Yao, Shenyang Ligong Univ. (China)
- 8192 1G **Using synthetic aperture lensless Fourier digital holography to enhance DMD display holographic reconstructed image** [8192-83]
T. Hu, X. Qian, Kunming Univ. of Science and Technology (China)
- 8192 1H **Homodyne coherent demodulation method for fiber laser hydrophone using a 3 $\times$ 3 coupler with gains adjusted real-time for symmetry** [8192-84]
J. Huang, Y. Li, H. Gu, R. Li, B. Tan, G. Yang, Navy Univ. of Engineering (China)
- 8192 1I **Analysis on the amplitude instability of homodyne coherent demodulation method based on a 3 $\times$ 3 coupler for fiber laser hydrophone** [8192-85]
J. Huang, Y. Li, H. Gu, R. Li, B. Tan, G. Yang, Navy Univ. of Engineering (China)
- 8192 1J **Study of synthetic aperture lidar imaging through atmospheric turbulence** [8192-87]
C. Wang, Beihang Univ. (China)
- 8192 1K **Experimental underwater scanning imaging system using pulsed blue-green lasers** [8192-88]
L. Wang, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); Z. Xu, Q. Zhang, H. Wang, X. Yu, Institute of Optics and Electronics (China); R. Nie, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China)
- 8192 1L **The study of mutually pumped phase conjugate in adaptive optical heterodyne** [8192-90]
Z. Jiang, J. Liu, L. Ma, Y. Sun, S. Shi, Xidian Univ. (China)
- 8192 1M **The impact of pulse parameter on modulated lidar performance** [8192-91]
B. Zhou, Y. Ma, K. Liang, Z. Tu, Huazhong Univ. of Science and Technology (China)
- 8192 1N **The time-resolved pump-probe system to study the transient thermal nonlinear effect based on 4f coherent imaging system with phase object** [8192-92]
C. Yi, S. Dong, Z. Li, Soochow Univ. (China); Y. Song, Soochow Univ. (China) and Harbin Institute of Technology (China)
- 8192 1O **Analysis on the characteristics of pulsed laser proximity fuze's echo** [8192-93]
K. Wang, Beijing Institute of Technology (China) and 61251 People's Liberation Army Forces (China); H. Chen, Beijing Institute of Technology (China)
- 8192 1P **Surface emitting quantum cascade lasers for sensing and medical diagnosis** [8192-94]
J. Liu, J. Chen, W. Liu, W. Guo, Y. Jiang, F. Liu, L. Li, L. Wang, Z. Wang, Institute of Semiconductors (China)

- 8192 1Q **Investigation of nonlinear refraction using comparison based on the 4f nonlinear-imaging technique** [8192-97]
Z. Nie, Harbin Institute of Technology (China); Y. Song, Harbin Institute of Technology (China) and Soochow Univ. (China); Y. Wang, X. Zhang, Harbin Institute of Technology (China); J. Yang, Soochow Univ. (China)
- 8192 1R **Signal area extraction in range-gated images using average gray value information** [8192-98]
G. Wang, X. Wang, Y. Zhou, Y. Liu, Institute of Semiconductors (China)
- 8192 1S **Modified radon-Fourier transform for reflective tomography laser radar imaging** [8192-99]
X. Jin, J. Sun, Y. Yan, Y. Zhou, L. Liu, Shanghai Institute of Optics and Fine Mechanics (China)
- 8192 1T **Optical correlation recognition of infrared target based on wavelet multi-scale product** [8192-100]
F. Chen, W. Wang, Changchun Univ. of Science and Technology (China)
- 8192 1U **High gain pre-amplifier laser beam quality evaluating system** [8192-101]
Y. Liu, J. Yu, T. Zhao, X. Zhang, The Academy of Opto-electronics (China); Z. Fan, The Academy of Opto-electronics (China) and Beijing GuoKe Laser Technology Co., Ltd. (China)
- 8192 1V **Study of noninvasive detection of latent fingerprints using UV laser** [8192-102]
H. Li, J. Cao, J. Niu, Y. Huang, L. Mao, J. Chen, Shanghai Haichao Institute for New Technologies (China)
- 8192 1W **The experimental study of a CW 980nm double-clad photonic crystal fiber laser** [8192-103]
P. Li, X. Zhang, Z. Liu, J. Chi, Beijing Univ. of Technology (China)
- 8192 1X **Handheld laser scanner automatic registration based on random coding** [8192-104]
L. He, Information Engineering Univ. (China); C. Yu, Xi'an Information Division of Surveying and Mapping (China); L. Wang, Information Engineering Univ. (China)
- 8192 1Y **Dangerous space debris detection via spaceborne ladar based on intensity modulation and coherent optical processing** [8192-105]
C. Liu, Y. Zhao, F. Lu, X. Han, Xidian Univ. (China)
- 8192 1Z **Study on measurement uncertainty of laboratory calibration methods for transmissometer by numerical simulation** [8192-106]
Q. Zhao, Q. Meng, Southwest Institute of Technical Physics (China); F. Lu, Sichuan Univ. (China)
- 8192 20 **Calibrated precision of ultra-long focal length measurement utilizing Talbot effect and Moiré technique** [8192-107]
Q. Zhao, S. Hu, H. Fan, Southwest Institute of Technical Physics (China); F. Lu, Sichuan Univ. (China)
- 8192 21 **Product surface roughness measurement based on the fractal feature of the laser speckle image** [8192-109]
Q. Zhan, Anhui Agriculture Univ. (China); N. Zhao, Hefei Electronic Engineering Institute (China)

- 8192 22 **The research of the CO₂ differential absorption coherent lidar technology** [8192-110]
N. Zhao, Heifei Electronic Engineering Institute (China); Q. Zhan, Anhui Agriculture Univ. (China); Y. Hu, Heifei Electronic Engineering Institute (China)
- 8192 23 **Research on the effect of laser radar system parameters on the range image quality** [8192-111]
H. Jiang, J. Lai, C. Wang, W. Yan, Z. Li, Nanjing Univ. of Science and Technology (China)
- 8192 24 **Research on automatic recognition technology for interference fringes in measurement of thin film thickness** [8192-112]
H. Li, J. Su, Xi'an Technological Univ. (China); A. Ge, Fudan Univ. (China); L. Yang, Xi'an Technological Univ. (China)
- 8192 25 **High power picosecond amplification in a large core double-clad Yb-doped fiber** [8192-113]
P. Li, Z. Liu, X. Zhang, J. Chi, Beijing Univ. of Technology (China)
- 8192 26 **Approximate analytical expression for the spectrum of polychromatic Gaussian beams passing through a multi-apertured ABCD optical system** [8192-114]
G. Zhao, P. Huang, Yibin Univ. (China)
- 8192 27 **Three-dimensional imaging of microstructure by dual-wavelength digital holography** [8192-115]
Y. Wang, Z. Jiang, G. Cheng, J. Wu, D. Wang, Y. Wang, Beijing Univ. of Technology (China)
- 8192 28 **Beam steering by phase control based on lithium niobate in laser phased array** [8192-117]
X. Zhang, D. Yang, D. Wang, S. Zhao, Z. Wang, Beijing Univ. of Technology (China)
- 8192 29 **A high speed and high gain CMOS receiver chip for a pulsed time-of-flight laser rangefinder** [8192-118]
J. Yu, R. Deng, H. Yuan, Y. Chen, Shanghai Institute of Technical Physics (China)
- 8192 2A **Size measurement of nano-particles with a self-mixing laser** [8192-119]
M. Liu, G. Wang, C. Li, Hohai Univ. (China)
- 8192 2B **Based on the design of APD-weak laser signals detection circuit** [8192-120]
T. Hu, F. Wu, Electro-optical Information Security Control Lab. (China)
- 8192 2C **Preparation, package, and high-power fiber laser experiment of large mode-area fiber grating** [8192-121]
Y. Fan, Shanghai Institute of Optics and Fine Mechanics (China) and Graduate Univ. of Chinese Academy of Sciences (China); J. Zhou, B. He, Shanghai Institute of Optics and Fine Mechanics (China); J. Zheng, H. Liu, Shanghai Institute of Optics and Fine Mechanics (China) and Graduate Univ. of Chinese Academy of Sciences (China); X. Gu, Ryerson Univ. (Canada); Q. Lou, Shanghai Institute of Optics and Fine Mechanics (China)
- 8192 2D **Simulation and analysis about noisy rang images of laser radar** [8192-122]
M. Zhao, National Univ. of Defense Technology (China) and PLA, No.93246 Troop (China); J. He, Q. Fu, National Univ. of Defense Technology (China); D. Xi, PLA, No.66325 Troop (China)

- 8192 2E **The coupling measurement system for ring laser gyro** [8192-125]
Z. Fan, H. Luo, G. Lu, X. Cheng, National Univ. of Defense Technology (China)
- 8192 2F **Modeling analysis of a passive coherent beam combining using fused-taper fiber laser arrays** [8192-126]
J. Li, National Univ. of Defense Technology (China); W. Li, China South Industry Academy (China); J. Cao, Z. Chen, H. Zhou, National Univ. of Defense Technology (China)
- 8192 2G **Numerical simulation of the high-order Gaussian laser beam cleanup system based on optimization-translation adaptive optics** [8192-127]
H. Zhao, X. Wang, P. Zhou, S. Wang, X. Xu, National Univ. of Defense Technology (China)
- 8192 2H **Research on anti-radiation semiconductor lasers in space** [8192-129]
H. Liu, Changchun Univ. of Science and Technology (China)
- 8192 2I **Research on dynamic facula orientation deviation during tracking and pointing in the space laser communication** [8192-130]
B. Shen, J. Sun, Y. Zhou, L. Pu, B. Li, L. Liu, Shanghai Institute of Optics and Fine Mechanics (China)
- 8192 2J **The foundation of 3D geometry model in omni-directional laser warning system based on diffuse reflection detection** [8192-131]
W. Zhang, L. Wang, Ordnance Engineering College (China); Q. Dong, Institute of Aeronautical Meteorology and Chemical Defense (China)
- 8192 2K **Scattering properties of ultrashort laser pulses by air bubbles in the sea water** [8192-132]
L. Su, S. Chen, Harbin Engineering Univ. (China); W. Zhao, D. Ren, Harbin Institute of Technology (China)
- 8192 2L **Distributed synthetic apertures for digital holographic imaging** [8192-134]
Y. Gao, D. Wang, H. Cui, Z. Zhou, Y. Wang, Beijing Univ. of Technology (China)
- 8192 2M **Theory modeling and experimental research of external-cavity frequency doubling technology of short pulse laser** [8192-136]
C. Duan, Xi'an Technological Univ. (China); S. Zhang, Northwest Univ. (China); J. He, Beijing Rainbow Group Co. (China)
- 8192 2N **The experimental study on Doppler echo signals with different scattering surfaces for velocity measurement** [8192-138]
L. Wang, D. Feng, P. Ou, D. Yang, Beihang Univ. (China)
- 8192 2O **High power single frequency linear-polarized and all-fiber MOPA system for coherent detection** [8192-140]
Y. Ding, Shanghai Institute of Optics and Fine Mechanics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); Y. Qi, C. Liu, Shanghai Institute of Optics and Fine Mechanics (China); J. He, Shanghai Institute of Optics and Fine Mechanics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); J. Zhou, Shanghai Institute of Optics and Fine Mechanics (China)

Part Two

- 8192 2P **Experimental study on narrow linewidth fiber ring laser based on parallel feedback mechanism** [8192-141]
C. Wang, D. Wang, Z. Wang, P. Lu, L. Xu, X. Yu, Y. Jiang, L. Zhu, Peking Univ. (China); Z. Li, Peking Univ. (China) and State Key Lab. on Integrated Optoelectronics (China)
- 8192 2Q **Experimental and numerical investigations of wedge waves and its dispersion behaviors propagating along wedges** [8192-143]
J. Jia, Z. Shen, L. Yuan, X. Ni, Nanjing Univ. of Science and Technology (China)
- 8192 2R **Optimized design of a LED-array-based TOF range imaging sensor for fast 3D shape measurement** [8192-144]
H. Wang, Institute of Intelligent Machines (China); Y. Wang, Shangqiu Vocational Technology College (China); J. Xu, D. He, T. Zhao, H. Ming, Univ. of Science and Technology of China (China); D. Kong, Institute of Intelligent Machines (China)
- 8192 2S **High energy narrow-linewidth ytterbium-doped pulsed fiber amplifier** [8192-145]
R. Zhu, Shanghai Institute of Optics and Fine Mechanics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); J. Zhou, J. Liu, W. Chen, Shanghai Institute of Optics and Fine Mechanics (China)
- 8192 2T **Experimental study of functionally graded materials of Fe/Al₂O₃ compound coatings on the steel substrate by using the laser ultrasound method** [8192-146]
K. Sun, L. Yuan, Z. Shen, X. Ni, Nanjing Univ. of Science and Technology (China)
- 8192 2U **3D laser scanning system for rock surface measurement** [8192-147]
B. Liu, Tianjin Univ. of Technology (China); C. Sun, Tianjin Univ. (China)
- 8192 2V **Fragmentary area repairing on the edge of 3D laser point cloud based on edge extracting of images and LS-SVM** [8192-149]
Z. Zhao, X. Hao, S. Liu, S. Zhao, Information Engineering Univ. (China)
- 8192 2W **Study on the range precision of laser range finder based on APDs** [8192-150]
F. Wang, X. Jia, J. Su, Tianjin Jinhang Institute of Technical Physics (China)
- 8192 2X **The research of fiber-coupled high power diode laser** [8192-152]
Y. Liu, Y. Cao, J. Gao, F. Pan, W. Qin, Z. Wang, Beijing Univ. of Technology (China)
- 8192 2Y **Investigation on luminescence properties of Er³⁺-Yb³⁺-Tm³⁺ co-doped Gd₂O₃ hollow microspheres** [8192-153]
F. Xu, W. Han, X. Liu, Soochow Univ. (China); Y. Song, Soochow Univ. (China) and Harbin Institute of Technology (China)
- 8192 2Z **Research of optic fiber CO concentration monitoring virtual system based on TDLAS** [8192-154]
T. Zhang, Y. Wei, C. Wang, T. Liu, Shandong Key Lab. of Optical Fiber Sensor (China) and Laser Institute of Shandong Academy of Sciences (China)

- 8192 30 **Investigation on up-conversion luminescence properties of novel transparent Ho³⁺-Tm³⁺-Yb³⁺ co-doped oxyfluoride glass ceramics** [8192-155]
X. Liu, W. Han, F. Xu, Y. Song, Soochow Univ. (China)
- 8192 31 **Absolute phase measurement by using femtosecond laser spectral interference technique** [8192-156]
W. Wang, J. Liu, S. Wu, Z. Liang, C. Li, Y. Yin, Shandong Jiao Tong Univ. (China)
- 8192 32 **Research on the signal processing technology of laser fuze** [8192-157]
J. Gao, J. Deng, K. Cai, Beijing Institute of Technology (China)
- 8192 33 **Conductively cooled single frequency Nd:YAG laser for remote sensing** [8192-158]
J. Wang, R. Zhu, T. Lu, Shanghai Institute of Optics and Fine Mechanics (China) and Graduate Univ. of Chinese Academy of Sciences (China); J. Zhou, H. Zang, X. Zhu, W. Chen, Shanghai Institute of Optics and Fine Mechanics (China)
- 8192 34 **Research of large energy and high power Nd:Ce:YAG laser** [8192-159]
Z. Zhao, J. Nie, Electronic Engineering Institute of PLA (China)
- 8192 35 **Automatic registration of multi-view 3D laser point cloud based on image registration and ameliorated ICP Algorithm** [8192-160]
Z. Zhao, X. Hao, S. Zhao, Y. Su, Information Engineering Univ. (China)
- 8192 36 **Research on the application of acousto-optic signal processing in coherent detection** [8192-162]
X. Li, N. He, D. Deng, Guilin Univ. of Electronic Technology (China)
- 8192 37 **Effect of the polarization-state fluctuation on coherent beam combining of fiber lasers** [8192-163]
J. Zhu, W. Du, X. Dong, X. Wang, Y. Ma, P. Zhou, X. Xu, National Univ. of Defense Technology (China)
- 8192 38 **Application of time-resolved pump-probe system in researching photoconductive material** [8192-164]
Z. Shen, T. Lan, Beijing Institute of Technology (China)
- 8192 39 **Volume holographic imaging with broadband illumination** [8192-165]
J. Wu, Z. Jiang, L. Song, Y. Wang, S. Tao, Beijing Univ. of Technology (China)
- 8192 3A **Thermally induced birefringence compensation in double-pulse Q-switched laser** [8192-166]
X. Wang, Z. Li, Beijing Aeronautical Manufacturing Technology Research Institute (China)
- 8192 3B **Trace detection of C₂H₂ using tunable diode laser absorption spectroscopy** [8192-167]
Z. Ding, H. Zhao, X. Fang, J. Bao, Ningbo Univ. of Technology (China)
- 8192 3C **Efficient extracavity OPO single-pass pumped by high beam quality laser with Gaussian unstable resonator** [8192-169]
X. Liu, C. Lu, S. Wang, Y. Cheng, Wuhan Mechanical Technology College (China)

- 8192 3D **High-resolution fiber methane sensor based on diode laser and its data processing** [8192-170]
Y. Wei, T. Zhang, Y. Li, Y. Zhao, C. Wang, T. Liu, Key Lab. of Optical Fiber Sensing Technology of Shandong Province (China)
- 8192 3E **Free space optical perfect shuffle interconnection based on 4-f parallel optical logic processor** [8192-176]
H. Zhang, W. Zhou, J. Yang, X. Li, J. Tan, National Univ. of Defense Technology (China)
- 8192 3F **Method of coherent detection with a shared line based on acousto-optic deflection** [8192-179]
J. Zhou, N. He, X. Liao, Guilin Univ. of Electronic Technology (China)
- 8192 3G **Study on simulation for spaceborne full-waveform lidar data** [8192-180]
Y. Bao, Beijing Institute of Space Mechanics and Electricity (China)
- 8192 3H **Range-Doppler imaging of moving target with chirped AM ladar** [8192-182]
C. Liu, F. Lu, Y. Zhao, X. Han, Xidian Univ. (China)
- 8192 3I **Design of a mode-hop-free tunable external cavity diode laser with a PLZT electro-optic ceramic deflector** [8192-184]
Y. Sun, F. Wei, D. Chen, G. Xin, Q. Ye, H. Cai, R. Qu, Shanghai Institute of Optics and Fine Mechanics (China)
- 8192 3J **Doppler wind lidar sensitivity and aerosol backscatter ratio measurement by combined Raman-Mie-Rayleigh scattering** [8192-185]
S. Wu, Y. Chen, Z. Song, S. Qin, L. Jin, W. Zhang, Ocean Univ. of China (China)
- 8192 3K **A method of 3D scene reconstruction with vehicle-borne laser scanner based on monocular visual positioning** [8192-188]
Y. Cao, Y. Feng, Y. Chen, Y. Yang, L. Zhao, H. Chen, National Univ. of Defense Technology (China)
- 8192 3L **Line-width compression of the distributed feedback laser with an external parallel feedback cavity** [8192-190]
Z. Wang, C. Wang, D. Wang, P. Lu, X. Yu, L. Xu, Y. Yang, Y. Jiang, L. Zhu, Peking Univ. (China); Z. Li, Peking Univ. (China) and State Key Lab. on Integrated Optoelectronics (China)
- 8192 3M **Experimental study on transmission characteristics of multimode optical fiber under moving conditions** [8192-191]
Y. Wang, Beijing Institute of Technology (China) and Beijing Institute of Tracking and Telecommunicating Technology (China); C. Zhao, Beijing Institute of Technology (China)
- 8192 3N **Investigation on nonlinear dynamics of ZnO using time-resolved pump-probe technique with phase object** [8192-193]
L. Ge, Soochow Univ. (China); M. Shui, X. Jin, Harbin Institute of Technology (China); Z. Li, Soochow Univ. (China); Y. Song, Soochow Univ. (China) and Harbin Institute of Technology (China)

- 8192 3O **Three-position absolute measurement simulation and error analysis** [8192-195]
P. Yang, Institute of Optics and Electronics (China) and Graduate School of Chinese Academy of Sciences (China); F. Wu, Institute of Optics and Electronics (China); X. Hou, Graduate School of Chinese Academy of Sciences (China)
- 8192 3P **Realtime correction of probe pulse in subpicosecond time-resolved transient absorption spectroscopy** [8192-196]
S. Zhang, Northwest Univ. (China); C. Duan, Xi'an Industry Univ. (China); X. Feng, Northwest Univ. (China); J. He, Xi'an Institute of Optics and Precision Mechanics (China)
- 8192 3Q **Assessment of a three-frequency alternate pulse Doppler wind lidar** [8192-197]
S. Wu, S. Qin, B. Liu, Y. Chen, Ocean Univ. of China (China)
- 8192 3R **Research of high range resolution lidar system** [8192-198]
Q. Wang, X. Du, J. Zhao, The Academy of Armored Forces Engineering (China)
- 8192 3S **Imaging properties of the rotundity planar microlens array** [8192-199]
Z. Zhao, X. Chen, F. Zhang, J. Chen, S. Zhou, X. Jiang, D. Liu, Southwest Univ. (China)
- 8192 3T **Power scaling of multiple single-mode laser bundles in all-fiber configuration** [8192-201]
X. Dong, P. Zhou, X. Wang, Y. Ma, W. Du, J. Zhu, X. Xu, S. Guo, National Univ. of Defense Technology (China)
- 8192 3U **Mueller matrix measurement of micro-bubbles in the ocean water by polarization scattering** [8192-203]
Y. Wang, H. Wang, S. Chen, Y. Qi, H. Liu, National Key Lab. Science and Technology on Underwater Test and Control (China)
- 8192 3V **The numerical simulation of laser-generated ultrasound to detect the debonding in the honeycomb sandwich board** [8192-205]
L. Yuan, Southeast Univ. (China) and Nanjing Univ. of Science & Technology (China); Y. Cui, Southeast Univ. (China); Z. Gu, Z. Shen, X. Ni, Nanjing Univ. of Science & Technology (China)
- 8192 3W **Research of laser scintillation effect based on physical simulation turbulent system** [8192-207]
X. Gan, Beihua Univ. (China) and State Key Lab. of Laser Interaction with Matter (China); J. Guo, State Key Lab. of Laser Interaction with Matter (China)
- 8192 3X **A fast 3D surface reconstruction and volume estimation method for grain storage based on priori model** [8192-209]
X. Liang, W. Sun, Tsinghua Univ. (China)
- 8192 3Y **Long-range range-gated laser active imaging experiments** [8192-211]
H. Guo, H. Sun, Y. Zhao, J. Wu, The Academy of Equipment Command and Technology (China)
- 8192 3Z **A new approach for cuttings identification using laser induced breakdown spectroscopy** [8192-213]
Z. Wang, Y. Tian, Y. Li, R. Zheng, Ocean Univ. of China (China)

- 8192 40 **Pulsed ytterbium-doped all fiber amplifier near 1 μ m** [8192-215]
C. Zhou, Shanghai Institute of Optics and Fine Mechanics (China) and Graduate Univ. of Chinese Academy of Sciences (China); X. Hou, S. Du, Y. Liu, ; W. Chen, Shanghai Institute of Optics and Fine Mechanics (China)
- 8192 41 **Laser-phased-array beam steering based on crystal fiber** [8192-218]
D. Yang, S. Zhao, D. Wang, Z. Wang, X. Zhang, Beijing Univ. of Technology (China)
- 8192 42 **The coherence of two fiber laser arrays** [8192-219]
H. Zhang, C. Yang, Univ. of Electronic Science and Technology of China (China); W. Li, C. Yang, X. Chen, F. Ji, China South Industry Academy (China)
- 8192 43 **Characterization study of laser induced breakdown spectroscopy on submerged nickel target** [8192-220]
H. Hou, Y. Li, R. Zheng, Ocean Univ. of China (China)
- 8192 44 **Mode-locked and Q-switched Yb-doped fiber lasers with graphene saturable absorber** [8192-221]
J. Liu, Beijing Univ. of Technology (China); S. Wu, Q.-H. Yang, Tianjin Univ. (China); P. Wang, Beijing Univ. of Technology (China)
- 8192 45 **Application of the astigmatic method to the thickness measurement of glass substrates** [8192-224]
J. Zhang, R. Ding, X. Yan, L. Li, Z. Han, Yanshan Univ. (China)
- 8192 46 **Design and application of fast steering mirror based on GMM** [8192-225]
B. Yao, Z. Hou, F. Tan, L. Qin, S. Zhang, X. Jing, F. He, Anhui Institute of Optics and Fine Mechanics (China)
- 8192 47 **Real-time power measurement and control for high power diode laser** [8192-226]
W. Qin, Y. Liu, Y. Cao, Z. Wang, Beijing Univ. of Technology (China)
- 8192 48 **The theory of hydroxyl radical measurement by cavity ring-down spectroscopy** [8192-229]
J. Nie, Electronic Engineering Institute (China)
- 8192 49 **Applications of digital IF receivers and under-sampling technique in ladar** [8192-232]
Z. Song, Xi'an Institute of Optics and Precision Mechanics (China) and Graduate Univ. of Chinese Academy of Sciences (China); S. Zhu, Xi'an Institute of Optics and Precision Mechanics (China); L. Dong, Xi'an Institute of Optics and Precision Mechanics (China) and Graduate Univ. of Chinese Academy of Sciences (China); L. Feng, H. He, Xi'an Institute of Optics and Precision Mechanics (China)
- 8192 4A **Probability of acquisition of three-dimensional imaging laser radar** [8192-233]
L. Dong, Xi'an Institute of Optics and Precision Mechanics (China) and Graduate Univ. the Chinese Academy of Sciences (China); S. Zhu, C. Sun, C. Gao, Xi'an Institute of Optics and Precision Mechanics (China); Z. Song, Xi'an Institute of Optics and Precision Mechanics (China) and Graduate Univ. the Chinese Academy of Sciences (China)
- 8192 4B **High energy low-repetition-rate graphene mode-locked Er-doped fiber lasers** [8192-235]
J. Xu, J. Liu, Beijing Univ. of Technology (China); S. Wu, Q.-H. Yang, Tianjin Univ. (China); P. Wang, Beijing Univ. of Technology (China)

- 8192 4C **Progress of laser-generated ultrasonic non-destructive testing technology** [8192-237]
S. Luo, X. Tan, M. Pan, C. Fan, National Univ. of Defense Technology (China)
- 8192 4D **Large field of view real-time three-dimensional imaging for ports** [8192-238]
M. Gao, W. Wu, H. Gu, W. Bi, Yan Shan Univ. (China)
- 8192 4E **Numerical simulation of thermal blooming effect of laser propagation in atmosphere** [8192-241]
W. Liu, T. Liao, Information Engineering Univ. (China); Q. Gao, National Univ. of Defense Technology (China)
- 8192 4F **Transient thermal blooming of collimated multi-pulse laser propagation in atmosphere** [8192-242]
T. Liao, W. Liu, Information Engineering Univ. (China); Q. Gao, National Univ. of Defense Technology (China)
- 8192 4G **An improved real-time method for removing the cyclic error of a homodyne interferometer** [8192-243]
S. Zhao, Xi'an Institute of Optics and Precision Mechanics (China) and Graduate School of the Chinese Academy of Science (China); D. Wen, S. Zhu, Xi'an Institute of Optics and Precision Mechanics (China); S. Liang, Xi'an Institute of Optics and Precision Mechanics (China) and Graduate School of the Chinese Academy of Science (China)
- 8192 4H **Technology development of UAV recovery system based on laser detection** [8192-244]
Z. Zhou, H. Lv, Tianjin Jinhang Institute of Technical Physics (China)
- 8192 4I **Design and simulation of imaging algorithm for Fresnel telescopic imaging system** [8192-245]
X. Lv, L. Liu, A. Yan, J. Sun, E. Dai, B. Li, Shanghai Institute of Optics and Fine Mechanics (China)
- 8192 4J **Analysis and 3D visualization modelling of airborne laser scanning data** [8192-246]
Q. Liu, L. Wang, Tianjin Jinhang Institute of Technical Physics (China)
- 8192 4K **Research on pressure and temperature sensitivities of FBG embedded in novel side-hole package** [8192-247]
C. Sun, Z. Li, S. Jiao, X. Xu, X. Wang, C. Wang, G. Jin, S. Wang, Henan Univ. of Technology (China)
- 8192 4L **Nanosecond pulse passively Q-switched Yb-doped fiber laser with Cr⁴⁺: YAG as saturable absorber** [8192-249]
J. Liu, J. Liu, P. Wang, Beijing Univ. of Technology (China)
- 8192 4M **Numerical analysis on the beam quality improvements of high power chemical laser system with water cooled mirrors** [8192-250]
K. Han, B. Li, X. Xu, National Univ. of Defense Technology (China)
- 8192 4N **System optimization of a field-widened Michelson interferometric spectral filter for high spectral resolution lidar** [8192-251]
D. Liu, NASA Langley Research Ctr. (United States); I. Miller, LightMachinery Inc. (Canada); C. Hostetler, A. Cook, J. Hair, NASA Langley Research Ctr. (United States)

- 8192 4O **Dye lasers used in CSSAR sodium fluorescence Doppler lidar** [8192-253]
Z. Yan, X. Hu, S. Guo, Y. Cheng, Ctr. for Space Science and Applied Research (China)
- 8192 4P **Calculation and simulation of the groups of laser light scattering particle flux** [8192-300]
L. Wang, J. Zhao, Z. Zhou, X. Zhao, Xi'an Research Institute of High Technology (China)

BIOLOGICAL AND MEDICAL APPLICATIONS OF PHOTONICS SENSING AND IMAGING

- 8192 4Q **Design of a novel multi-spectral imaging spectrometer for breast cancer detector based on VHT grating** [8192-302]
Z. Ren, Jiangxi Science and Technology Normal Univ. (China); Y. Wu, Jiangxi Agriculture Univ. (China); G. Liu, Z. Huang, L. Zeng, Jiangxi Science and Technology Normal Univ. (China)
- 8192 4R **Double-kinetic time-resolved measurement of non-equilibrium fluorescence lifetime with time sequence of nanosecond-scale: a novel technique based on single photon counting** [8192-303]
X.-C. Huang, D.-Y. Li, Y.-X. Weng, Institute of Physics (China)
- 8192 4S **A fractal model for optical properties of tissue** [8192-304]
Z. Li, H. Li, Fujian Normal Univ. (China)
- 8192 4T **Polar decomposition applied to light back-scattering by erythrocyte suspensions** [8192-305]
X. Wang, L. Yang, J. Lai, Z. Li, Nanjing Univ. of Science and Technology (China)
- 8192 4U **Comparison of the accuracy of the calibration model on the double and single integrating sphere systems** [8192-306]
A. Singh, National Laser Ctr. (South Africa) and Univ. of Stellenbosch (South Africa); A. Karsten, National Laser Ctr. (South Africa)
- 8192 4V **Research on UV radiation measurements and correction methods** [8192-307]
B. Huang, C. Dai, J. Yu, Z. Wu, H. Ouyang, National Institute of Metrology (China)
- 8192 4W **Fluorescence molecular tomography reconstruction using hybrid regularization method** [8192-308]
M. Li, F. Liu, J. Bai, Tsinghua Univ. (China)
- 8192 4X **The advance of non-invasive detection methods in osteoarthritis** [8192-309]
J. Dai, Y. Chen, Xiamen Univ. (China)
- 8192 4Y **Research of the aberrations of human eyes with accommodation based on eye model** [8192-310]
W. Quan, F. Wang, Jilun Univ. (China); Z. Wang, Nankai Univ. (China)
- 8192 4Z **Sensitivity of light interaction computer model to the absorption properties of skin** [8192-311]
A. E. Karsten, National Laser Ctr. (South Africa) and Univ. of Pretoria (South Africa); A. Singh, National Laser Ctr. (South Africa)
- 8192 50 **Investigation of blackbody 3500M** [8192-312]
Z. Wu, C. Dai, J. Yu, B. Huang, H. Ou-Yang, National Institute of Metrology (China)

- 8192 51 **Effect of aberrations in human eye on contrast sensitivity function** [8192-313]
W. Quan, F. Wang, Jilun Univ. (China); Z. Wang, Nankai Univ. (China)
- 8192 52 **Study of laser ultrasonic in adipose tissue by the optical absorption coefficient of inclusions** [8192-314]
R. An, X. Luo, Z. Shen, X. Ni, Nanjing Univ. of Science and Technology (China)
- 8192 53 **Analysis of the internal components of airy beams** [8192-315]
J. Xu, J. Liu, J. Xie, Y. Wang, Beijing Institute of Technology (China); X. Liang, Shanghai Institute of Optics and Fine Mechanics (China)
- 8192 54 **Research of the off-axis monochromatic aberrations of the human eye** [8192-316]
W. Quan, Shenyang Univ. of Science and Technology (China); Z. Wang, Nankai Univ. (China)
- 8192 55 **Compact CdZnTe-based gamma camera for prostate cancer imaging** [8192-317]
Y. Cui, Brookhaven National Lab. (United States); T. Lall, Hybridyne Imaging Technologies, Inc. (Canada); B. Tsui, J. Yu, Johns Hopkins Univ. (United States); G. Mahler, A. Bolotnikov, P. Vaska, G. De Geronimo, P. O'Connor, G. Meinken, Brookhaven National Lab. (United States); J. Joyal, J. Barrett, Molecular Insight Pharmaceuticals (United States); G. Camarda, A. Hossain, K. H. Kim, G. Yang, Brookhaven National Lab. (United States); M. Pomper, S. Cho, Johns Hopkins Univ. (United States); K. Weisman, Midstate Hospital (United States); Y. Seo, Univ. of California at San Francisco (United States); J. Babich, N. LaFrance, Molecular Insight Pharmaceuticals (United States); R. B. James, Brookhaven National Lab. (United States)
- 8192 56 **Edge extraction of CT medical image based on wavelet transform algorithm** [8192-320]
X. Wang, North China Electric Power Univ. (China); X. Li, W. Lai, Hebei Univ. of Science and Technology (China)
- 8192 57 **New real-time endoscopy image processing technology of hemoglobin color enhancement** [8192-321]
Z. Han, S. Ma, X. Wang, Z. Li, T. Xie, Peking Univ. (China)

Author Index

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Introduction

We have had the great honor to organize the 4th International Symposium on Photoelectronic Detection and Imaging in Beijing; it follows ISPD12009 held also in Beijing in 2009. More than 1000 participants attended ISPD1 2011. The symposium provided a forum for the participants to report and review ideas and up-to-date comprehensive progress and developments and to discuss the novel approaches to application areas in the field of photoelectronic detection and imaging.

There were 720 papers accepted for presentation at ISPD1 2011, contributed by over 1,200 authors from nearly 20 countries, including: United States, Canada, Russia, United Kingdom, Germany, Ireland, Belgium, Poland, Czech Republic, South Africa, Australia, Korea, Japan, India, Malaysia, Singapore, China, and so on. We have nearly 100 international famous scientists and experts as invited speakers. The invited papers covered topics such as sensor and micromachined optical device technologies, laser sensing and imaging, infrared imaging and applications, imaging detector and applications, terahertz wave technologies and applications, space exploration technologies and applications, and related technologies and applications. It is sincerely hoped that the research and development in photoelectronic detection and imaging will be promoted, and the international cooperation sharing the common interest will be enhanced.

I would like to heartily to thank our sponsors and cooperative organizations for all they have done for the symposium. Thanks also to all the authors for their contributions to these proceedings, to all of the participants and friends for their interest and efforts in helping to make the symposium possible, to the organizing committee and the program committee for their effective work and valuable advice, especially the ISPD12011 Secretariat, and to the SPIE staff for their tireless effort and outstanding service in preparing and publishing the conference proceedings.

Again, we extend our warmest greetings to you and hope you have had a rewarding and exciting stay during ISPD1 2011.

Guofan Jin

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