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Li Yang
John M. Schoen
Yoshiharu Namba
Shengyi Li
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Contents

Part One

xvii	<i>Conference Committee</i>
xix	<i>Symposium Committees</i>
xxi	<i>Introduction</i>

SESSION 2-1

7282 02	Direct diamond turning of steel molds for optical replication [7282-01] F. Klocke, O. Dambon, B. Bulla, Fraunhofer Institute for Production Technology (Germany); M. Heselhans, ZF Friedrichshafen AG (Germany)
7282 03	Double-swing method used for polishing off-axis aspherical mirrors [7282-02] P. Wang, J. Li, B. Xuan, X. Chen, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); S. Song, Y. Chen, J. Xie, Changchun Institute of Optics, Fine Mechanics and Physics (China)
7282 04	A mechanistic cutting force model for diamond fly-cutting of microstructured surface [7282-03] Q. Zhao, B. Guo, Harbin Institute of Technology (China); H. Yang, China Precision Engineering Institute for Aircraft Industry (China); X. Zhang, Harbin Institute of Technology (China)
7282 05	Precision compression molding process of low Tg glass aspheric lenses [7282-04] T. Ma, J. Yu, Soochow Univ. (China)
7282 06	Fabrication of microglass lens mould by using ultraprecision microgrinding process [7282-05] S. Yin, K. Tang, Y. Zhu, F. Chen, Y. Fan, L. Guo, Hunan Univ. (China)
7282 07	Polishing of silicon based advanced ceramics [7282-06] F. Klocke, O. Dambon, R. Zunke, D. Waechter, Fraunhofer Institute for Production Technology (Germany)
7282 08	Freeform turning lathe with direct drives and aerostatic bearing [7282-07] C. Guan, Y. Dai, Z. Yin, F. Yang, National Univ. of Defense Technology (China)
7282 09	Influence of slurry pH on material removal rate and surface roughness of super-precision polishing of LBO crystal [7282-08] J. Li, Nanjing Univ. of Aeronautics and Astronautics (China) and Technical Institute of Physics and Chemistry (China); Y. Zhu, D. Zuo, Nanjing Univ. of Aeronautics and Astronautics (China); Y. Zhu, C. Chen, Technical Institute of Physics and Chemistry (China)
7282 0A	Material removal rate based on edge effects in ultraprecision polishing process [7282-09] W. Yang, Y. Guo, Xiamen Univ. (China); Q. Xu, Chengdu Fine Optical Engineering Research Ctr. (China)

SESSION 2-2

- 7282 0B **Finite element simulation and experimental research in cutting forces of KDP crystal** [7282-10]
J. Wang, Harbin Engineering Univ. (China) and Harbin Institute of Technology (China);
Q. Meng, Harbin Engineering Univ. (China); H. Wang, S. Dong, J. Guo, Harbin Institute of
Technology (China)
- 7282 0C **Experimental investigation on the effect of abrasive grain size on the lapping uniformity
of a sapphire wafer** [7282-11]
D. Wen, Z. Wang, K. Zhang, Zhejiang Univ. of Technology (China)
- 7282 0D **Study on the influence and disposal method of the micro-cracks of optical components**
[7282-12]
X. Chen, B. Xuan, P. Wang, J. Li, Changchun Institute of Optics, Fine Mechanics and Physics
(China) and Graduate School of the Chinese Academy of Sciences (China); S. Song,
H. Zhang, J. Xie, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 7282 0E **Experimental investigation on polishing of ultrasmooth surface in nanoparticle colloid jet
machining** [7282-13]
X. Song, Y. Zhang, F. Zhang, D. Luan, Harbin Institute of Technology (China)
- 7282 0F **Optical design and optimization of zoom optics with diffractive optical element** [7282-14]
Y.-C. Fang, National Kaohsiung First Univ. of Science and Technology (Taiwan) and Kun
Shan Univ. (Taiwan); H.-C. Lin, National Kaohsiung First Univ. of Science and Technology
(Taiwan)
- 7282 0G **Effects of velocity and pressure distributions on material removal rate in polishing process**
[7282-15]
Y. Li, J. Wang, Q. Xu, Chengdu Fine Optical Engineering Research Ctr. (China); W. Yang,
Y. Guo, Xiamen Univ. (China)
- 7282 0H **Development of an ultraprecision three axis micromilling machine** [7282-16]
P. Zhang, B. Wang, Y. Liang, Harbin Institute of Technology (China)
- 7282 0I **Deterministic magnetorheological finishing of optical aspheric mirrors** [7282-17]
C. Song, Y. Dai, X. Peng, S. Li, F. Shi, National Univ. of Defense Technology (China)
- 7282 0J **Image density property of optical information recording microcapsule material** [7282-18]
W. Lai, X. Li, X. Li, G. Fu, Hebei Univ. (China)

POSTER SESSION

- 7282 0K **Study on experiment of grinding SiC mirror with fixed abrasive** [7282-19]
X. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate
School of the Chinese Academy of Sciences (China); X. Zhang, Changchun Institute of
Optics, Fine Mechanics and Physics (China)
- 7282 0L **Structures and graphics of spacial spherical parallel grids with laser direct writing** [7282-20]
C. Hu, Z. Yu, Z. Wang, Jilin Univ. (China)

- 7282 OM **Transfer matrix method and dispersive formula of light in thin films** [7282-21]
H. Dai, Q. Liu, Chongqing Technology and Business Univ. (China)
- 7282 ON **Design of aspherical surfaces for panoramic imagers using multi-populations genetic algorithm** [7282-22]
L.-P. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); Z. Liang, C.-S. Jin, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 7282 OO **Three regions in the material removal rate with the increase of the concentration of abrasives slurry** [7282-23]
Y. Guo, W. Yang, Xiamen Univ. (China); Q. Xu, Y. Li, Chengdu Fine Optical Engineering Research Ctr. (China)
- 7282 OP **Annealing induced optical properties of YSZ thin films prepared by EB-PVD** [7282-24]
C.-Y. Li, Beijing Institute of Graphic Communication (China); G.-J. Xing, Beijing Institute of Petrochemical Technologies (China); Y.-J. Yang, Changcheng Institute of Metrology and Measurement (China); W. Jiang, Beijing Institute of Petrochemical Technologies (China)
- 7282 OQ **Study of PZT actuated deformable aspheric polishing lap** [7282-25]
Z. Hu, Institute of Optics and Electronics (China), Graduate School of the Chinese Academy of Sciences (China), and Yantai Univ. (China); N. Ling, Institute of Optics and Electronics (China); J. Pan, Suzhou Univ. (China); W. Jiang, Institute of Optics and Electronics (China)
- 7282 OR **Infrared antireflection DLC films by femtosecond pulsed laser deposition** [7282-26]
S. Wang, Y. Guo, X. Wang, Y. Cheng, H. Wang, X. Liu, Wuhan Ordnance Non-Commissioned Officers Academy (China)
- 7282 OS **Influence of cutting velocity on surface roughness of KDP** [7282-27]
Y. F. Peng, Y. B. Guo, Xiamen Univ. (China); Q. Xu, Chengdu Fine Optical Engineering Research Ctr. (China)
- 7282 OT **Influence of tool presetting error on surface accuracy in ultraprecision machining** [7282-28]
G. Li, B. Wang, X. Zhao, S. Dong, Harbin Institute of Technology (China)
- 7282 OU **Research on realization technique of precision forming for laser shock** [7282-29]
S. Yin, S. Qi, Jiangsu Univ. (China)
- 7282 OV **Experiment and simulation of micromilling process for plastic material** [7282-30]
Y. Sun, Harbin Engineering Univ. (China) and Harbin Institute of Technology (China); Q. Meng, Harbin Engineering Univ. (China); H. Liu, Harbin Institute of Technology (China)
- 7282 OW **IAD-Si coatings on RB-SiC space mirrors for ultrasmooth surfaces** [7282-31]
L. Xu, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); X. Zhang, R. Li, F. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China); X. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China)

- 7282 0X **Research of optical flats in pad polishing** [7282-32]
J. Wang, Xiamen Univ. (China) and Chengdu Fine Optical Engineering Research Ctr. (China); Y. Guo, Chengdu Fine Optical Engineering Research Ctr. (China); Y. Lee, Q. Xu, Xiamen Univ. (China); W. Yang, Chengdu Fine Optical Engineering Research Ctr. (China)
- 7282 0Y **Improved two-dimensional orthogonal cylindrical lens arrays optical system with controllable focus profile for uniform irradiation** [7282-33]
J. Zheng, Dalian Univ. of Technology (China) and Dalian Nationalities Univ. (China); Q. Yu, Dalian Univ. of Technology (China); B. Dong, X. Cao, Dalian Nationalities Univ. (China); S. Guan, Dalian Univ. of Technology (China) and Dalian Nationalities Univ. (China); Q. Yang, Dalian Nationalities Univ. (China)
- 7282 0Z **Research on the surface of a nonspherical lens with photosensitive colophony** [7282-34]
F. Zhao, Beijing Technology and Business Univ. (China); P. Wang, Beijing Institute of Technology (China); Y. Gong, H. Xin, C. Meng, H. Zhu, Beijing Technology and Business Univ. (China)
- 7282 10 **Manufacturing of the 1070mm F/1.5 ellipsoid mirror** [7282-35]
P. Guo, J. Yu, Y. Zhang, G. Qiu, Suzhou Univ. (China)
- 7282 11 **Fast tool servo system for online compensation of error motion on an ultraprecision lathe** [7282-36]
X. Wang, T. Sun, Harbin Institute of Technology (China)
- 7282 12 **Smoothing treatment of high order aspherical surface** [7282-37]
J. Ren, Soochow Univ. (China); B. Dai, PLA Univ. of Science and Technology (China); G. Xu, Mason Optics Ltd. (China)
- 7282 13 **Methods for increasing the etching uniformity of ion beam multiple mask** [7282-38]
X. Zhang, Y. Xiong, Q. Liu, Y. Tian, Univ. of Science and Technology of China (China)
- 7282 14 **Novel method for optimizing polishing tool-path in CCOS based on weighted-iterative algorithm** [7282-39]
W. Deng, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); X. Zhang, X. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China); X. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China)
- 7282 15 **Effects of thickness and substrate temperature on the electrical and optical properties of In_2O_3 -ZnO films** [7282-40]
Y. Pei, F. Lai, L. Lin, L. Fan, Y. Qu, R. Chen, Fujian Normal Univ. (China)
- 7282 16 **Investigation of conductive and transparent Al-doped ZnO/metal dual-layer films by magnetron sputtering** [7282-41]
L. Fan, F. Lai, L. Lin, Y. Pei, Y. Qu, Fujian Normal Univ. (China)
- 7282 17 **Optical and electrochemical properties of the protonic state electrochromic device: $\text{NiO}_x/\text{Ta}_2\text{O}_5/\text{WO}_{3-x}$** [7282-42]
Z. Li, L. Ye, M. Zhang, C. Shun, Naval Univ. of Engineering (China)

- 7282 18 **Optimization of actuator forces in shaping aspheric surfaces on ultrathin mirrors** [7282-43]
C. Zeng, J. Yu, Soochow Univ. (China)
- 7282 19 **Moment acting on workpiece in solid abrasive plane lapping** [7282-44]
J. Yang, C. Tian, Z. Hao, H. Yang, Changchun Univ. of Science and Technology (China)
- 7282 1A **Influences of cutting section and corner radius to cutting force in diamond turning** [7282-45]
G. Dong, C. Han, S. Dong, T. Sun, Harbin Institute of Technology (China)
- 7282 1B **Research on high-speed deposition thermodynamics characteristic for DLC thin film by RF-PECVD** [7282-46]
M. Zhu, C. Xiong, C. Yang, Huazhong Institute of Electro-Optics (China)
- 7282 1C **Transparent conductive titanium-doped indium oxide films prepared by direct current magnetron sputtering** [7282-47]
L. Lin, F. Lai, Y. Qu, R. Gai, Fujian Normal Univ. (China)
- 7282 1D **Optical properties of In-doped TiO₂ thin films** [7282-48]
M. Zhang, Z. Li, C. Sun, S. Yang, Naval Univ. of Engineering (China)
- 7282 1E **Research on ultrathin mirror fabrication and demonstration of an Ø500mm ultrathin mirror** [7282-49]
Q. Huang, P. Guo, J. Yu, Soochow Univ. (China)
- 7282 1F **Wide-angle and broadband nonpolarizing parallel plate beam splitter** [7282-50]
W. Wang, Nanchang Univ. (China)
- 7282 1G **Effect of substrate bias and arc current on AlN films** [7282-51]
H. Liang, H. Liu, Y. Zhou, Xi'an Technological Univ. (China)
- 7282 1H **Primary optical system design for the optimization of light-emitting diode packages** [7282-52]
J. Zhang, Hefei Univ. of Technology (China); Z. Hu, Wenzhou Univ. (China); H. Qi, C. Liu, Hefei Univ. of Technology (China)
- 7282 1I **Design of a detection system of highlight LED arrays' effect on the human organization** [7282-53]
S. Chen, G. Shi, T. Xue, Y. Liu, Hebei Univ. of Science and Technology (China)
- 7282 1J **Analyzing and processing the images of self-organized patterns** [7282-54]
X. Yang, North China Electric Power Univ. (China); S. Liu, Agricultural Univ. of Hebei (China)
- 7282 1K **Optical design of long focal length and wide field on an aerial CCD camera** [7282-55]
X. Cheng, Y. Che, C. Xue, Changchun Univ. of Science and Technology (China)
- 7282 1L **LED optical engine based on a rectangular CPC for microprojection display** [7282-56]
S. Wang, W. Sun, W. Bu, Harbin Normal Univ. (China); Z. Meng, Changchun Institute of Optics, Fine Mechanics and Physics (China)

- 7282 1M **Vector analysis of the characteristics of diffractive microlens having common focus for a number of wavelengths** [7282-57]
Y. Liu, C. Sui, P. Cai, Zhejiang Univ. of Technology (China)
- 7282 1N **Indium-tin oxide conductive films on flexible substrates deposited by the DC magnetron sputtering method** [7282-58]
N. Wang, J. Yu, H. Lin, S. Lou, Y. Jiang, Univ. of Electronic Science and Technology of China (China)
- 7282 1O **Methods for improving ion beam etching uniformity of large-sized DOEs** [7282-59]
Y. Xiong, X. Zhang, G. Liu, Y. Liu, D. Xu, Y. Tian, Univ. of Science and Technology of China (China)
- 7282 1P **Preparation of TiN solar spectrally selective absorbing thin film by DC magnetron sputtering** [7282-60]
S. Fu, Xinyu College (China); Z. Lai, Nanchang Univ. (China); W. Zhong, Xinyu College (China); X. Zhu, Nanchang Univ. (China)
- 7282 1Q **Design of a time-correlated single photon counting spectrometer based on PC** [7282-61]
X. Zhang, Dalian Nationalities Univ. (China)
- 7282 1R **Study on fabrication technology of silicon-based silica array waveguide grating** [7282-62]
Y. Sun, L. Dong, Y. Leng, Changchun Univ. of Science and Technology (China)
- 7282 1S **Numerical simulation of selective laser sintering transient temperature field** [7282-63]
J. Xing, Harbin Engineering Univ. (China) and Harbin Institute of Technology (China); X. Sun, Harbin Institute of Technology (China)
- 7282 1T **A new algorithm to locate the laser spot center at a sub-pixel level** [7282-64]
R. Ye, C. Lin, Xiamen Univ. (China); Z. Lin, Putian College (China) and Xiamen Univ. (China); X. Lu, X. Chu, Y. Huang, Xiamen Univ. (China)
- 7282 1U **Transmission spectra dependence on the grating lengths of long period fiber grating fabricated by 800nm femtosecond laser pulses** [7282-65]
Y. Yu, S. Ruan, Y. Huang, C. Du, Shenzhen Univ. (China)
- 7282 1V **Integrated development environment based on resource library for intelligent opto-electric instruments** [7282-66]
M. Cen, P. Wang, Chongqing Univ. of Posts and Telecommunications (China); X. Liu, Institute of Optics and Electronics (China); J. Jiang, K. Zhang, Chongqing Univ. of Posts and Telecommunications (China)
- 7282 1W **Technique of adaptive laser beam shaping based on stochastic parallel gradient descent** [7282-67]
H. Yang, Huaihai Institute of Technology (China); Y. Liu, X. Li, Institute of Optics and Electronics (China); X. Bi, Huaihai Institute of Technology (China)
- 7282 1X **Ultraprecision finishing process integrated ELID grinding and MRF for BK glass** [7282-68]
S. Yin, Hunan Univ. (China); H. Ohmori, Y. Uehara, RIKEN (Japan); Y. Zhu, F. Chen, K. Zhu, Hunan Univ. (China)

- 7282 1Y **Analysis of parameters in fluid jet polishing by CFD** [7282-69]
C. Y. Shi, J. H. Yuan, F. Wu, Y. J. Wan, Y. Han, Institute of Optics and Electronics (China)

Part Two

- 7282 1Z **Geometric models of precision machining conic optical asphere** [7282-70]
C.-S.Han, Harbin Institute of Technology (China); S.-W. Lin, Far East Univ. of Science and Technology (China); L.-J. Zhang, Harbin Institute of Technology (China)
- 7282 20 **3D finite element simulation and experiment of residual stress on the cutting surface** [7282-71]
H. Liu, Y. Sun, Z. Lu, Harbin Institute of Technology (China)
- 7282 21 **Study on the calculation and application for asphericity of rectangle off-axis aspherics** [7282-72]
J. Li, B. Xuan, P. Wang, X. Chen, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); H. Zhang, J. Xie, S. Song, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 7282 22 **Optical system of large relative aperture and wide field using aspheric corrector for detecting** [7282-73]
M. Ming, J. Wang, J. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 7282 23 **Reversible dark-center diffraction of metal film in micromachining** [7282-74]
J. Xie, C. Zhou, Shanghai Institute of Optics and Fine Mechanics (China)
- 7282 24 **Ultraprecision machining of steep aspheric parts with large sagittal height** [7282-75]
L. Mu, R. Zhao, Q. Xin, Chengdu Crystal Technology Co., Ltd. (China)
- 7282 25 **Research on wheel error compensation of aspheric grinding machining** [7282-76]
L. He, Xiamen Univ. (China) and Chengdu Fine Optical Engineering Research Ctr. (China); Y. Guo, Xiamen Univ. (China); H. Huang, Chengdu Fine Optical Engineering Research Ctr. (China); Z. Wang, Xiamen Univ. (China); J. Wang, Xiamen Univ. (China) and Chengdu Fine Optical Engineering Research Ctr. (China)
- 7282 26 **Design of an optical lens for a space tridimensional mapping camera** [7282-77]
L. Zhang, Z. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 7282 27 **Effect of several processing parameters on material removal ratio in the deliquescent polishing of KDP crystals** [7282-78]
F. Zhang, S. Guo, Y. Zhang, D. Luan, Harbin Institute of Technology (China)
- 7282 28 **Passive Q-switching dynamics in all-fiber lasers with ring interferometer** [7282-79]
L. Huang, Y. Liu, Z. Dai, Univ. of Electronic Science and Technology of China (China); Q. Zhang, Univ. of Electronic Science and Technology of China (China) and West China Normal Univ. (China)

- 7282 29 **Ultraprecision fabrication of large stamping die of Wolter mirror for an x-ray telescope by ELID grinding** [7282-80]
S. Yin, Hunan Univ. (China); H. Ohmori, Y. Uehara, RIKEN (Japan); F. Chen, Y. Zhu, Y. Wang, Hunan Univ. (China)
- 7282 2A **End-pumped Nd:YAG Q-switched laser with high energy and narrow pulse for glass carving** [7282-81]
M. Ling, G. Jin, X. Tan, Z. Wu, Z. Liang, Changchun Univ. of Science and Technology (China)
- 7282 2B **Design and fabrication for the diffractive optical element of an infrared system** [7282-82]
C. Yang, S. Li, Y. Li, B. Wang, Huazhong Institute of Electro-Optics (China)
- 7282 2C **New simplified coupling system of 15MW Nd:YAG laser pulse with 600 μ m optical fiber by use of a taper fiber** [7282-83]
X. Fan, Harbin Institute of Technology (China); J. Liu, Harbin Institute of Technology (China) and North China Institute of Electric Equipment (China)
- 7282 2D **Study on the technique of pulse electroforming in optical manufacturing** [7282-84]
H. Li, Xiamen Univ. (China) and Huaqiao Univ. (China); Y. Guo, Xiamen Univ. (China); X. Liu, Huaqiao Univ. (China); T. Ren, Xiamen Univ. (China)
- 7282 2E **High brightness white LED driver with adaptive current control strategy** [7282-85]
X. Liu, S. Guo, L. Bian, D. Qiao, Z. Wang, Y. Chang, Jilin Univ. (China)
- 7282 2F **Research and design of infrared optical system based on DOE** [7282-86]
X. Wen, Zhengzhou Institute of Aeronautical Industry Management (China)
- 7282 2G **Design of a CAN bus interface for photoelectric encoder in the spaceflight camera** [7282-87]
Y. Sun, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); Q. Wan, R. She, C. Zhao, Changchun Institute of Optics, Fine Mechanics and Physics (China); Y. Jiang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China)
- 7282 2H **Design on visible diffractive-refractive hybrid collimator** [7282-88]
X. Zhai, Armor Technique Institute of PLA (China) and Changchun Univ. of Science and Technology (China); H. Zhang, H. Zhao, H. Xu, Z. Qu, Armor Technique Institute of PLA (China)
- 7282 2I **Three-dimensional thermal analysis for laser assisted machining of ceramics using FEA** [7282-89]
X. Wu, H. Zhang, Y. Wang, Harbin Institute of Technology (China)
- 7282 2J **Correction capability analysis and experimental validation of a kind of adaptive optics system based on a combined deformable mirror for compensating high-order aberrations** [7282-90]
H. Yang, National Univ. of Defense Technology (China) and Institute of Optics and Electronics (China); C. Rao, W. Jiang, Institute of Optics and Electronics (China)

- 7282 2K **ITO glass polishing using carbon dioxide snow jet technique for organic light-emitting diodes** [7282-91]
J. Li, T. Li, Univ. of Electronic Science and Technology of China (China)
- 7282 2L **Compositional dependence of absorption edges in evaporated $\text{Pb}_{1-x}\text{GeTe}$ thin films as infrared short-wavelength cutoff filters** [7282-92]
B. Li, S. Zhang, P. Xie, D. Liu, Shanghai Institute of Technical Physics (China)
- 7282 2M **Research on antireflection characteristic of rectangular subwavelength surface-relief structure** [7282-93]
W. Tan, C. Lu, Z. Xu, Y. Ni, Nanjing Univ. of Technology (China)
- 7282 2N **Study on the methods for ensuring the precision of an x-ray microscope** [7282-94]
L. Zhao, D. Sun, Ludong Univ. (China); P. Liu, Chengdu Univ. of Technology (China); J. Hu, Dalian Univ. of Technology (China)
- 7282 2O **Simulation of substrate temperature in HFCVD diamond thin films** [7282-95]
Y. Wang, H. Wang, Z. Yin, North China Electric Power Univ. (China)
- 7282 2P **Design of an erbium-doped fiber laser based on ring cavity** [7282-96]
H. Pang, H. Lian, R. Zhao, T. Liu, B. Hu, H. Cui, Y. Wang, HeBei Univ. of Science and Technology (China)
- 7282 2Q **Pressure distribution model in edge effect** [7282-97]
Y. Han, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); F. Wu, Y. J. Wan, Institute of Optics and Electronics (China)
- 7282 2R **Raman active phonons in RMnO_3 ($\text{R}=\text{La, Pr, Nd, Sm}$) manganites** [7282-98]
W.-R. Wang, Northeast Dianli Univ. (China); G.-X. Song, Jilin Univ. (China); Y. Zhao, X.-Y. Han, Northeast Dianli Univ. (China)
- 7282 2S **Cascaded chirped and phase-only sampled fiber Bragg gratings for efficient comb filters** [7282-99]
X. Zhu, Y. Lu, C. Wang, Soochow Univ. (China)
- 7282 2T **Roughness evolution of fused silica during plasma polishing processes** [7282-100]
W. Liu, Xi'an Technological Univ. (China); D. Wang, Changchun Univ. of Science and Technology (China); M. Hu, Y. Wang, H. Liang, L. Hang, Xi'an Technological Univ. (China)
- 7282 2U **Study on deposition of amorphous hydrogenate DLC films on germanium substrates by RF-PECVD** [7282-101]
J. Tang, G. Liu, Changchun Univ. of Science and Technology (China); J. Wang, Northeast Normal Univ. (China); Z. Wu, Y. Zhao, X. Fu, Changchun Univ. of Science and Technology (China)
- 7282 2V **Fabrication and characteristics of polarization maintaining polymer photonic crystal fiber with elliptical core** [7282-102]
Y. Zhang, Baoji College of Arts and Science (China) and Xi'an Institute of Optics and Precision Mechanics (China)

- 7282 2W **Double grating monochromator optical design of the pure rotational Raman-lidar** [7282-103]
Z. Zhang, ZhengZhou Institute of Aeronautical Industry Management (China); F. Liu, Henan Medical College for Staff and Workers (China)
- 7282 2X **Method for signal detection of integrated optic gyroscope based on digital signal processing** [7282-104]
Z. Zhang, X. Yin, C. Cheng, ZhengZhou Institute of Aeronautical Industry Management (China)
- 7282 2Y **Low side bands wide spectrum width femtosecond passively mode-locked fiber laser** [7282-105]
Y. Zhao, Y. Liu, D. Zhao, L. Huang, Z. Dai, Univ. of Electronic Science and Technology (China)
- 7282 2Z **Lasing behavior in cascade energy transfer in dual-doped polymer microcavities** [7282-106]
X. Zhao, Xi'an Research Institute of High Technology (China) and Xi'an Jiaotong Univ. (China); Q. Zhang, Q. Zhao, L. Wang, Xi'an Research Institute of High Technology (China)
- 7282 30 **New architectures for high-performance organic solar cell introducing phosphorescent iridium complex** [7282-107]
H. Lin, J. Yu, W. Zhang, S. Lou, Y. Jiang, Univ. of Electronic Science and Technology of China (China)
- 7282 31 **High-quality silicon nitride films prepared by low-frequency plasma-enhanced chemical vapor deposition** [7282-108]
H. Zhang, X. Xu, Y. Leng, W. Li, Z. Wu, Y. Jiang, Univ. of Electronic Science and Technology of China (China)
- 7282 32 **Novel low area CMOS readout circuit for uncooled microbolometers with low noise** [7282-109]
J. Lv, Y. Jiang, Y. Zhou, F. Luo, Univ. of Electronic Science and Technology of China (China)
- 7282 33 **High-efficiency blue organic light-emitting devices based on phosphorescent dopant material** [7282-110]
J. Zhong, Y. Jiang, L. Zhang, J. Yu, Univ. of Electronic Science and Technology of China (China)
- 7282 34 **Color-tunable organic light emitting diodes based on exciplex emission** [7282-111]
J. Yu, S. Lou, W. Wen, Y. Jiang, Univ. of Electronic Science and Technology of China (China); Q. Zhang, Shanghai Jiaotong Univ. (China)
- 7282 35 **Organic thin film transistor with a simplified planar structure** [7282-112]
L. Zhang, J. Yu, J. Zhong, Y. Jiang, Univ. of Electronic Science and Technology of China (China)
- 7282 36 **Concentration effect of dye dopant in organic light emitting diodes** [7282-113]
L. Li, J. Yu, S. Lou, Y. Jiang, Univ. of Electronic Science and Technology of China (China)
- 7282 37 **Organic light emitting devices based on two novel silole derivatives** [7282-114]
Q. Li, J. Yu, L. Li, Y. Jiang, Univ. of Electronic Science and Technology of China (China); X. Zhan, Institute of Chemistry (China)

- 7282 38 **White organic light emitting diodes based on a novel starburst fluorene derivative** [7282-115]
S. Lou, J. Yu, W. Wen, Y. Jiang, Univ. of Electronic Science and Technology of China (China);
Q. Zhang, Shanghai Jiaotong Univ. (China)
- 7282 39 **Electroplex light emission based on BCP and a novel star-shaped hexafluorenylbenzene**
[7282-116]
T. Ma, J. Yu, S. Lou, Y. Jiang, Univ. of Electronic Science and Technology of China (China);
Q. Zhang, Shanghai Jiaotong Univ. (China)
- 7282 3A **Electrical characteristics of phosphorescent organic light emitting devices with various
emissive film thickness** [7282-117]
T. Wang, J. Yu, J. Wang, L. Li, Y. Jiang, Univ. of Electronic Science and Technology of China
(China)
- 7282 3B **Study on charge carrier recombination zone with ultrathin rubrene layer as probe** [7282-118]
W. Wen, J. Yu, Y. Li, L. Li, Y. Jiang, Univ. of Electronic Science and Technology of China
(China)
- 7282 3C **Preparation and characterization of polyaniline/indium(III) oxide (PANI/In₂O₃)
nanocomposite thin film** [7282-119]
X. Yan, G. Xie, X. Du, H. Tai, Y. Jiang, Univ. of Electronic Science and Technology of China
(China)
- 7282 3D **Performance optimization of polymer doped electrophosphorescent organic light emitting
diodes** [7282-120]
X. Tang, J. Yu, W. Wen, L. Li, Y. Jiang, Univ. of Electronic Science and Technology of China
(China)
- 7282 3E **Photochemical surface modification of flexible plastic substrate for organic light-emitting
diodes** [7282-121]
Y. Jiang, H. Lin, S. Lou, J. Yu, Univ. of Electronic Science and Technology of China (China)
- 7282 3F **Influence of hole transporter doping on electroluminescent property of novel fluorene
molecular material** [7282-122]
J. Qian, J. Yu, S. Lou, Y. Jiang, Univ. of Electronic Science and Technology of China (China);
Q. Zhang, Shanghai Jiaotong Univ. (China)
- 7282 3G **Studies on PZT membrane resonant gas sensors** [7282-123]
W. Zhao, X. Li, Univ. of Electronic Science and Technology of China (China); L. Xu, NOKIA,
Ltd. (China); J. Yao, Institute of Optics and Electronics (China); L. Xu, Y. Ma, Univ. of
Electronic Science and Technology of China (China)
- 7282 3H **Study and comparison of two novel laser crystals Dy:NaGd(WO₄)₂, Dy:NaLa(WO₄)₂**
[7282-124]
J. Yang, W. Yang, J. Wu, S. Feng, Fujian Normal Univ. (China)
- 7282 3I **Experimental system of ternary logic optical computer with reconfigurability** [7282-125]
Z.-Y. Shen, Shanghai Univ. (China) and Luoyang Normal Univ. (China); Y. Jin, J.-J. Peng,
Shanghai Univ. (China)

- 7282 3J **Construction of a portable UV-VIS spectrophotometer** [7282-126]
S. Zhang, D. Ran, F. Wan, C. Li, Hebei Univ. of Technology (China)
- 7282 3K **Preparation and optical performance detection of acid-leaching optical fiber image bundle** [7282-127]
D. Zhou, F. Yu, Changchun Univ. of Science and Technology (China); F. Tan, Changchun Univ. (China); J. Lu, Changchun Univ. of Science and Technology (China)
- 7282 3L **Study on test metrology of large aperture optical system wavefront** [7282-128]
Z. Liu, Y. Fu, T. Gao, Z. Wang, Changchun Univ. of Science and Technology (China)
- 7282 3M **A neural-fuzzy model with confidence measure for controlled stressed-lap surface shape presentation** [7282-129]
M. Chen, Chongqing Univ. (China); Y. Wan, F. Wu, Institute of Optics and Electronics (China); K. Xie, M. Wang, Chongqing Univ. (China); B. Fan, Institute of Optics and Electronics (China)
- 7282 3N **Neural-network-based intelligent control for active stressed lap optical polishing process** [7282-130]
L. Yang, Institute of Optics and Electronics (China); M. Chen, Chongqing Univ. (China); Y. Wan, Institute of Optics and Electronics (China); M. Wang, J. Zhao, Chongqing Univ. (China); B. Fan, Institute of Optics and Electronics (China); K. Xie, Chongqing Univ. (China)
- 7282 3O **Theoretical analysis of stressed mirror polishing** [7282-131]
T. Sun, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); L. Yang, Y. Wu, Institute of Optics and Electronics (China)
- 7282 3P **Electro-rheological finishing for optical surfaces** [7282-132]
H. Cheng, Beijing Institute of Technology (China); P. Wang, Shanghai Institute of Technical Physics (China)
- 7282 3Q **Athermal design of hybrid refractive/harmonic diffractive optical system for far-infrared multi-band** [7282-133]
Y. Liu, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); Q. Sun, Z. Lu, J. Yue, H. Zhang, R. Zhu, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 7282 3R **Fabrication of small period blazed reflection gratings by fast atom beam dry etching method** [7282-134]
C. Lee, D. Woo, J. Joo, S.-K. Lee, Gwangju Institute of Science and Technology (Korea, Republic of)
- 7282 3S **Mechatronic system design for tiled large-aperture grating** [7282-135]
L. Lu, Y. Liang, T. Jiang, F. Yu, Q. Zhang, Harbin Institute of Technology (China)
- 7282 3T **Optimization of removal function parameters in CCOS** [7282-136]
X. Zhou, Shijiazhuang Mechanical Engineering College (China); Y. Chen, Changsha Aeronautical Vocational and Technical College (China); H. Shen, Y. He, Shijiazhuang Mechanical Engineering College (China)

- 7282 3U **Study on the surface degenerative layer in ultraprecision machining of KDP crystals** [7282-137]
J. Wang, Harbin Engineering Univ. (China) and Harbin Institute of Technology (China);
Q. Meng, Harbin Engineering Univ. (China); M. Chen, S. Dong, Z. Li, Harbin Institute of
Technology (China)
- 7282 3V **Dynamic analysis of wiresaw slicing brittle crystals** [7282-138]
T. Sun, Y. Feng, Harbin Institute of Technology (China)
- 7282 3W **Frequency-domain analysis on the optical surface accuracy** [7282-139]
Q. Huang, H. Cheng, Y. Wang, Beijing Institute of Technology (China); P. Wang, L. Wu,
Shanghai Institute of Technical Physics (China)
- 7282 3X **Error analysis of a rotating mode diamond turning large aspherical mirrors** [7282-140]
C.-S. Han, L.-J. Zhang, S. Dong, J.-B. Tan, Harbin Institute of Technology (China)

Author Index

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Introduction

Optical manufacturing technology has achieved tremendous progress, especially during the last 20 years both in China and abroad. To meet the demand of the development in this area, AOMATT-International Symposium on Advanced Optical Manufacturing and Testing Technology has been held four times from 2000 to 2008. The 4th International Symposium on Advanced Optical Manufacturing and Testing Technology (AOMATT08) was held at Wang Jiang Hotel in Chengdu, China, 19–21 November 2008. A total of 381 papers have been selected for publication in the Proceedings of SPIE volumes 7281, 7282, 7283 and 7284, corresponding to the four conferences of AOMATT08: Large Mirrors and Telescopes; Advanced Optical Manufacturing Technologies; Optical Test and Measurement Technology and Equipment; and Design, Manufacturing, and Testing of Micro- and Nano-Optical Devices and Systems. We have faced many challenges during the organization of AOMATT08. They include the big Sichuan Wenchuan earthquake on 12 May 2008, the worldwide financial crisis, and the deepening recession in many countries around the world. These challenges and difficulties have negatively impacted the number of papers and attendees for AOMATT08. The number of accepted papers decreased from 485 for AOMATT07 to 381 for AOMATT08. However, conference quality has continued to improve. Based on comments from authors and attendees, significant improvements have been made in conference organization, the opening ceremony, quality of the plenary presentation, oral presentations, workshops, and the closing ceremony, etc. A more important fact is the continued improvement in the quality of the papers published in the Proceedings of SPIE. Many papers report cutting-edge research and development; more authors are from famous universities, research institutions, and leading enterprises around the world. Authors and attendees had the opportunity to exchange ideas and learn from each other at the conference.

We are delighted that each AOMATT symposium is more successful than the previous one. It has become a well-established symposium covering advanced optical manufacturing and testing technologies, and has attracted a loyal following in academy and industries around the world. Our goal is to develop AOMATT into a must-attend international symposium for the optical manufacturing and testing community. We would like to express our sincere appreciation to COS—The Chinese Optical Society, IOE—Institute of Optics and Electronics, Chinese Academy of Sciences, and to SPIE for sponsoring AOMATT08. We want to thank authors and attendees for attending the symposium and sharing their research with their colleagues around the world. We especially thank IOE and Dr. Yudong Zhang, President of IOE, for hosting AOMATT08 and the tremendous hospitality during the conference.

The world is in the middle of significant financial and economic crisis. Crisis often brings difficulties and opportunities at the same time. Many countries have

announced economic stimulus measures. The Chinese government has promised 600 billion Yuan RMB to six key national projects. Several projects are closely related to optical manufacturing and testing technology and equipments and represent opportunities for researchers and enterprises around the world. New discoveries and products will emerge as a result. We are looking forward to seeing you all at the AOMATT 2010 in China, please watch the SPIE and IOE websites for call for papers and exact time and locations.

Li Yang

Secretary General, AOMATT 2008

Chairman, Committee on Optical Manufacturing Technology (COMT), COS