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Front Matter: Volume 6722

, "Front Matter: Volume 6722," Proc. SPIE 6722, 3rd International Symposium on Advanced Optical Manufacturing and Testing Technologies: Advanced Optical Manufacturing Technologies, 672201 (30 November 2007); doi: 10.1117/12.784223

SPIE.

Event: 3rd International Symposium on Advanced Optical Manufacturing and Testing Technologies: Large Mirrors and Telescopes, 2007, Chengdu, China

PROCEEDINGS OF SPIE

*3rd International Symposium on
Advanced Optical Manufacturing
and Testing Technologies*

Advanced Optical Manufacturing Technologies

**Li Yang
Yaolong Chen
Ernst-Bernhard Kley
Rongbin Li**
Editors

**8–12 July 2007
Chengdu, China**

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Published by
SPIE

Volume 6722
Part One of Two Parts

Proceedings of SPIE, 0277-786X, v. 6722

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Please use the following format to cite material from this book:

Author(s), "Title of Paper," in *3rd International Symposium on Advanced Optical Manufacturing and Testing Technologies: Advanced Optical Manufacturing Technologies*, edited by Li Yang, Yaolong Chen, Ernst-Bernhard Kley, Rongbin Li, Proceedings of SPIE Vol. 6722 (SPIE, Bellingham, WA, 2007) Article CID Number.

ISSN 0277-786X

ISBN 9780819468796

Published by

SPIE

P.O. Box 10, Bellingham, Washington 98227-0010 USA

Telephone +1 360 676 3290 (Pacific Time) · Fax +1 360 647 1445

SPIE.org

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Printed in the United States of America.

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Contents

Part One

xix	Conference Committee
xxi	Symposium Committees
xxiii	Introduction
xv	Attendees of AOMATT 2007 photo

SESSION 2-1

6722 02	Molding technology of optical plastic refractive-diffractive lenses [6722-01] Q. Xin, H. Liu, P. Lu, F. Gao, B. Liu, Chengdu Crystal Technology Co., Ltd. (China)
6722 03	Optical design in packaging and illuminating system for high power light-emitting diodes for projection system [6722-02] C. Shen, Zhejiang Univ. (China) and China JiLiang Univ. (China); H. Feng, Z. Xu, Zhejiang Univ. (China); S. Jin, China JiLiang Univ. (China)
6722 04	Calculating subtool pressures by using genetic algorithms [6722-03] A. Cordero-Dávila, L. Téllez-Arriaga, Benemérita Univ. Autónoma de Puebla (Mexico); J. González-García, Univ. Tecnológica de la Mixteca (Mexico); C. I. Robledo-Sánchez, J. Cuautle-Cortéz, J. d. J. Díaz-Anzures, L. A. Martinez-Medina, Benemérita Univ. Autónoma de Puebla (Mexico)
6722 05	An analytical method for curved optical waveguides [6722-04] T. Zhang, X. Zhang, C. Ji, Y. Cui, Southeast Univ. (China)
6722 06	Φ300 Hartmann field flattening laser beam expander [6722-05] P. Hao, L. Yuan, K. Li, S. Zhou, Tongji Univ. (China)
6722 07	Diamond turning aspheric projector mirrors [6722-06] W. Jiang, LPI Precision Optics, Ltd. (Hong Kong China)
6722 08	Fabrication of x-ray diffractive optical elements for ICF target diagnosis [6722-07] X. Zhu, D. Wang, C. Xie, Institute of Microelectronics (China); L. Cao, J. Yang, China Academy of Engineering Physics (China); T. Ye, J. Niu, B. Chen, M. Liu, Institute of Microelectronics (China)
6722 09	Experimental study on KDP crystal polishing [6722-08] B. L. Wang, H. Gao, Dalian Univ. of Technology (China)
6722 0A	Process optimization of DLC films by unbalanced magnetron sputtering for laser-induced damage threshold improvement [6722-09] J. Xu, Xi'an Institute of Technology (China) and Northwestern Polytechnical Univ. (China); J. Su, W. Liu, Xi'an Institute of Technology (China); H. Fan, S. Xie, Northwestern Polytechnical Univ. (China)

SESSION 2-2

- 6722 0B **Measurement of spatio-temporal dynamics of patterns in dielectric barrier discharge by using a special optical design** [6722-10]
W. Fan, L. Dong, R. Gao, F. Liu, Y. He, Hebei Univ. (China)
- 6722 0C **Design for progressive addition lenses** [6722-11]
Q. Wu, Univ. of Science and Technology of Suzhou (China), Soochow Univ. (China), and Wenzhou Medical College (China); L. Qian, Soochow Univ. (China); J. Yu, Soochow Univ. (China), Wenzhou Medical College (China), and Ministry of Health (China); H. Chen, Y. Wang, Wenzhou Medical College (China) and Ministry of Health (China)
- 6722 0D **Research on the Al-AlN granular films prepared by D.C. magnetism filter arc deposition** [6722-12]
H. Liang, Y. Zhou, C. Cai, Xi'an Technological Univ. (China)
- 6722 0E **3D reconstruction from integral images** [6722-13]
C. Wu, Q. Wang, Y. Yang, G. Fu, H. Wang, Univ. of Science and Technology Beijing (China)
- 6722 0F **Research on key techniques of nanometer scale macro-micro dual-drive precision positioning** [6722-14]
X. Xie, R. Du, Shenzhen Institute of Advanced Integration Technology/The Chinese Univ. of Hong Kong (Hong Kong China)
- 6722 0G **Ferroelectric properties of multi-layer LiTaO_3 thin films with Ta_2O_5 buffer** [6722-15]
D.-Y. Zhang, W.-D. Peng, Civil Aviation Flight Univ. of China (China); J.-H. Li, K. Li, Jiangsu Polytechnic Univ. (China); D.-G. Huang, Univ. of Electronic Science and Technology (China)
- 6722 0H **Q-switched Yb-doped rod-type photonic crystal fiber laser** [6722-16]
S. Ruan, C. Guo, P. Yan, C. Du, R. Zhou, Shenzhen Univ. (China)
- 6722 0I **Preparation and properties of GaP films on ZnS substrate** [6722-17]
L. Dong, Y. Sun, X. He, Changchun Univ. of Science and Technology (China)

SESSION 2-3

- 6722 0J **Forecasting model for the machining accuracy of aspheric surface** [6722-18]
D. Chen, Y. Zhang, F. Zhang, Harbin Institute of Technology (China)
- 6722 0K **Development of TIF based figuring algorithm for deterministic pitch tool polishing** [6722-19]
H.-S. Yi, Korea Research Institute of Standards and Science (South Korea); S.-W. Kim, Yonsei Univ. (South Korea); H.-S. Yang, Y.-W. Lee, Korea Research Institute of Standards and Science (South Korea)
- 6722 0L **Fabrication of multilayer laminar grating with high efficiency for extreme ultraviolet** [6722-20]
L.-C. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); H. Lin, Tsinghua Univ. (China); C.-S. Jin, Changchun Institute of Optics, Fine Mechanics and Physics (China); H.-J. Zhou, T.-L. Huo, Univ. of Science and Technology of China (China)

- 6722 OM **Time-resolved dynamics of 355-nm laser-irradiated surface damage on fused silica** [6722-21]
S. Xu, China Academy of Engineering Physics (China) and Univ. of Electronic Science and Technology of China (China); X. Yuan, W. Zheng, China Academy of Engineering Physics (China); X. Zu, Univ. of Electronic Science and Technology of China (China); H. Lv, X. Jiang, H. Wang, J. Huang, China Academy of Engineering Physics (China)
- 6722 ON **Methods for integrated simulation of high-precision space opto-mechanical systems** [6722-22]
D. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); G. Jin, H. Yang, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 6722 OO **Process monitoring and analysis of atmospheric pressure plasma polishing method** [6722-23]
J. Zhang, B. Wang, S. Dong, Harbin Institute of Technology (China)
- 6722 OP **Replication fidelity improvement of PMMA microlens array based on weight evaluation and optimization** [6722-24]
B. Jiang, L. Shen, H. Peng, X. Yin, Central South Univ. (China)

SESSION 2-4

- 6722 OQ **Optical design for digital-micromirror device-based infrared scene projector** [6722-25]
X. Jia, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); T. Xing, Institute of Optics and Electronics (China)
- 6722 OR **Research on long focal length on-axis TMA system for high-resolution remote sensing** [6722-26]
X. Zhong, L. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); G. Jin, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 6722 OS **Design and fabrication of x-ray Kirkpatrick-Baez microscope for ICF** [6722-27]
B. Mu, Z. Wang, S. Huang, S. Yi, Z. Shen, Tongji Univ. (China)
- 6722 OT **Determination of optical constants of zirconia and silica thin films in UV to visible range** [6722-28]
W. Jin, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Science (China); C. Jin, Changchun Institute of Optics, Fine Mechanics and Physics (China); H. Zhu, L. Liu, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Science (China); H. Yang, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 6722 OU **Fabrication of flat and supersmooth surfaces with bowl-feed polishing process** [6722-29]
Z. Shen, B. Ma, Z. Wang, Tongji Univ. (China); Y. Ji, T. Liu, H. Liu, Tianjin Jinhang Institute of Technology Physics (China)
- 6722 OV **Analysis of the force properties of photonic crystal fiber in the v-groove** [6722-30]
S. Ma, W. Bi, G. Fu, G. Wu, Yanshan Univ. (China)

- 6722 0W **Influence of simulation environment on properties of swing system** [6722-31]
Y. Zhang, Y. Han, Y. Zhou, J. Han, W. Yao, Harbin Institute of Technology (China)
- 6722 0X **Fabrication of waveguide with ferroelectric-domain structure on electro-optical crystal slice** [6722-32]
G. Cui, Y. Li, J. Chen, H. Liu, J. Xu, Q. Sun, Nankai Univ. (China)

SESSION 2-5

- 6722 0Y **Research of digital MTF test system based on CCD** [6722-33]
L. Yang, Xi'an Technological Univ. (China) and Xi'an Univ. of Technology (China); G. Sun, W. Ma, Z. Huang, Xi'an Technological Univ. (China)
- 6722 0Z **Study on the effects of depositing parameters on the protection performance of plasma polymerized hexamethyldisiloxane coatings** [6722-34]
R. Zhang, X. Zhu, Univ. of Shanghai for Science and Technology (China); C. Pan, Huangshi Institute of Technology (China)
- 6722 10 **Computer-controlled fluid jet polishing** [6722-35]
P. Guo, Suzhou Univ. (China); H. Fang, Suzhou Univ. (China) and Suzhou Institute of Nano-tech and Nano-bionics (China); J. Yu, Suzhou Univ. (China)
- 6722 11 **Design of high-resolution Fourier transform lens** [6722-36]
L. Zhang, X. Zhong, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of Chinese Academy of Sciences (China); G. Jin, Graduate School of Chinese Academy of Sciences (China)
- 6722 12 **Influence on optical and electrical properties of silver layer by adjoining Ta₂O₅ layers** [6722-37]
P. Zhao, D. Liu, Shanghai Institute of Technical Physics (China); X. Xu, Donghua Univ. (China); F. Zhang, Shanghai Institute of Technical Physics (China)

SESSION 2-6

- 6722 13 **Special techniques in ultra-precision machining** [6722-38]
L. Li, X. Min, D. Chen, J. Wang, Shanghai HongMai Photonic Limit Co. (China)
- 6722 14 **Super-resolved imaging system with oversampling technology** [6722-39]
X. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China); Y. Liu, J. Zhang, L. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of Chinese Academy of Sciences (China)
- 6722 15 **Research on the technology of fluorescence separation from exciting light for LIF detection** [6722-40]
Y. Shi, L. Wang, Zhejiang Univ. (China); H. Zheng, Zhejiang Univ. (China) and Fujian Normal Univ. (China); J. Wang, Z. Lu, Zhejiang Univ. (China)
- 6722 16 **Optical method for evaluating the impact response of 1" HDD arm** [6722-41]
Y. Fujii, Gunma Univ. (Japan); D.-W. Shu, Nanyang Technological Univ. (Singapore)

- 6722 17 **Comparative studies of sol-gel SiO₂ thin films prepared by spin-coating and dip-coating techniques** [6722-42]
X. He, Shanghai Institute of Ceramics (China) and Graduate School of the Chinese Academy of Sciences (China); J. Wu, X. Gao, L. Wu, X. Li, Shanghai Institute of Ceramics (China)

POSTER SESSION

- 6722 18 **Adaptive optics image deconvolution based on a modified Richardson-Lucy algorithm** [6722-43]
B. Chen, Information Engineering Univ. (China) and Guilin Air Force Academy (China); Z. Geng, X. Yan, Information Engineering Univ. (China); Y. Yang, Guilin Air Force Academy (China); X. Sui, Z. Zhao, Information Engineering Univ. (China)
- 6722 19 **Manufacturing and photoelectrical properties of P-doped a-Si:H thin films deposited by PECVD** [6722-44]
N. Liao, W. Li, Y. Jiang, Y. Kuang, K. Qi, Z. Wu, S. Li, Univ. of Electronic Science and Technology of China (China)
- 6722 1A **Application of neural network and spheric harmonics function to system error correction of electro-optical tracker system with X-Y gimbal** [6722-45]
X. Liu, Institute of Optics and Electronics (China)
- 6722 1B **Selection of neural network structure for system error correction of electro-optical tracker system with horizontal gimbal** [6722-46]
X. Liu, Institute of Optics and Electronics (China); M. Cen, Chongqing Univ. of Posts and Telecommunications (China)
- 6722 1C **All-dielectric broadband non-polarizing parallel plate beam splitter operating between 450–650nm** [6722-47]
W. Wang, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); S. Xiong, Y. Zhang, Institute of Optics and Electronics (China)
- 6722 1D **High power high brightness laser source for material processing through incoherent beam combination** [6722-48]
J. Xu, S. Zhao, S. Zhan, R. Hou, Y. Li, L. Shi, S. Fang, Air Force Engineering Univ. (China)
- 6722 1E **Analysis of laser-induction hybrid cladding processing conditions** [6722-49]
Y. Huang, Huazhong Univ. of Science and Technology (China) and Huazhong Agricultural Univ. (China); X. Zeng, Q. Hu, Huazhong Univ. of Science and Technology (China)
- 6722 1F **Fabrication of electrospun nanofibers bundles** [6722-50]
J. Ye, D. Sun, Xiamen Univ. (China)
- 6722 1G **Design of an aspheric system of optical probe for visibility meter** [6722-51]
D. Liu, Changchun Univ. of Science and Technology (China); J. Shen, Changchun Univ. of Technology (China); Y. Sun, Y. Shen, Changchun Univ. of Science and Technology (China)

- 6722 1H **Study on the optical properties of a one-dimensional periodic multi-layered thin film with gain** [6722-52]
L. Liang, C. Zhou, Xi'an Univ. of Architecture and Technology (China)
- 6722 1I **Stratified scattering model for inhomogeneous dielectric multilayer coatings** [6722-53]
H. H. Hou, Y. Fan, Changshu Institute of Technology (China); C. R. Xue, Shanghai Institute of Optics and Fine Mechanics (China); J. H. Xing, Changshu Institute of Technology (China)
- 6722 1J **Influence of cutting parameters on diamond turning titanium alloy** [6722-54]
Y. Zhang, Z. Zhou, W. Xiu, Dalian Univ. of Technology (China); Z. Xia, China Academy of Engineering Physics (China)
- 6722 1K **Analysis for dynamics decoupling of photoelectric tracking system with collimated axis eccentricity** [6722-55]
Z. Xu, J. Chen, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); H. Chen, Institute of Optics and Electronics (China); T. Tang, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China)
- 6722 1L **Novel hole blocking material for organic light-emitting devices** [6722-56]
J. Yu, S. Lou, Y. Jiang, L. Li, Q. Li, Univ. of Electronic Science and Technology of China (China); X. Zhan, Institute of Chemistry (China)
- 6722 1M **Research on special prism processing craft** [6722-57]
C. Xue, F. Huo, Changchun Univ. of Science and Technology (China); H. Lv, Mcoptics Co., Ltd. (China)
- 6722 1N **Viewing angle analysis of integral imaging** [6722-58]
H.-X. Wang, C.-H. Wu, Y. Yang, L. Zhang, Univ. of Science and Technology Beijing (China)
- 6722 1O **Organic light-emitting devices based on different hole transport materials** [6722-59]
S. Lou, J. Yu, H. Lin, J. Wang, Y. Jiang, Univ. of Electronic Science and Technology of China (China)
- 6722 1P **Study on optical polishing of optical glass by means of ultrasonic-magnetorheological compound finishing** [6722-60]
H. Wang, F. Zhang, H. Zhao, D. Luan, Y. Chen, Harbin Institute of Technology (China)
- 6722 1Q **Comparison of ion post treatment and laser conditioning of thin films** [6722-61]
D. Zhang, P. Fan, X.-M. Cai, Shenzhen Univ. (China); J. Shao, Z. Fan, Shanghai Institute of Optics and Fine Mechanics (China)
- 6722 1R **Analyzing the extrusion mould for aluminum profile** [6722-62]
W. Yun, Z. Xu, Y. Dai, P. Dong, G. Yuan, C. Lan, Jiangsu Univ. (China)
- 6722 1S **Inclusion initiated damage studies at repetition rate pulse laser** [6722-63]
F. Dai, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); S. Xiong, Y. Zhang, Institute of Optics and Electronics (China)

- 6722 1T **Characterization of novel nonlinear optical polymeric film fabricated from dye doped PMMA** [6722-64]
L. Han, Y. Jiang, J.-S. Yu, W. Li, P. Hao, C. Li, Univ. of Electronic Science and Technology of China (China)
- 6722 1U **Effect of technical parameter on optical constants of amorphous silicon thin film** [6722-65]
S.-B. Li, Z.-M. Wu, K.-P. Zhu, Y.-D. Jiang, W. Li, N.-M. Niao, Univ. of Electronic Science and Technology of China (China)
- 6722 1V **Effect of annealing temperature on AlN thin films prepared by D.C. magnetism filter arc deposition** [6722-66]
H. Liang, Y. Liu, C. Cai, Xi'an Univ. of Technology (China)
- 6722 1W **Fabrication of ZnO thin film Schottky ultraviolet photodetector** [6722-67]
B. Huang, G. He, Y. Wu, L. Zhang, J. Li, D. Guo, S. Wu, Xiamen Univ. (China)
- 6722 1X **Laser shock wave and its applications** [6722-68]
C. Yang, Y. Zhang, J. Zhou, Jiangsu Univ. (China); F. Zhang, Shazhou Vocational Institute of Technology (China); A. Feng, Jiangsu Univ. (China)
- 6722 1Y **Optimization of removal function for magnetorheological jet polishing** [6722-69]
X. Zhang, Y. Dai, S. Li, X. Peng, National Univ. of Defense Technology (China)
- 6722 1Z **Study of optical properties of metallic photonic crystal** [6722-70]
A. H. Aly, Chonnam National Univ. (South Korea) and Beni-Suef Univ. (Egypt); S.-W. Ryu, Chonnam National Univ. (South Korea)
- 6722 20 **Design and fabrication of an infrared dichroic filter used for multi-channel image-forming system** [6722-71]
W. Duan, D. Liu, F. Zhang, Shanghai Institute of Technical Physics (China)
- 6722 21 **Theoretical analysis and experimental investigation on V-shape deformation by laser peening** [6722-72]
X. Zhang, Anhui Univ. of Technology (China) and Jiangsu Univ. (China); Y. Zhang, J. Zhou, Y. Gu, J. Cheng, Jiangsu Univ. (China)
- 6722 22 **Fast speed MWIR imager for uncooled focal plane array** [6722-73]
L. Lin, Soochow Univ. (China)
- 6722 23 **Study on CCOS fabrication technology for super-smooth parabolic surface of light-weight SiC mirror** [6722-74]
Q. Xu, F. Wu, Y. Wan, L. Luo, P. Gao, Institute of Optics and Electronics (China)
- 6722 24 **Indirect optical thickness monitoring with stationary test-slides for precision optical coatings** [6722-75]
X. Yao, C. Xiong, C. Yang, N. Tong, Huazhong Institute of Electro and Optics (China)
- 6722 25 **Method for characterization and simulation of non-axisymmetric aspheric rough surface** [6722-76]
Y. F. Peng, Y. B. Guo, Xiamen Univ. (China)

- 6722 26 **Study on the attitude of dynamic missile based on vertical optical axes binocular vision system** [6722-77]
X. Zhang, B. Zhang, Tianjin Univ. of Technology (China); Y. Lin, Tianjin Univ. (China); X. Li, Tianjin Univ. of Technology (China)
- 6722 27 **Effects on residual stresses of Ti6Al4V alloy EBW by laser quenching** [6722-78]
J. Lu, Jiangsu Univ. (China); Y. Zhang, Jiangsu Univ. (China) and East China Univ. of Science and Technology (China)
- 6722 28 **Design of broadband dielectric coatings for near-infrared Fabry-Perot interferometer** [6722-79]
J. Wang, National Astronomical Observations/Nanjing Institute of Astronomical Optics and Technology (China) and Graduate School of Chinese Academy of Sciences (China); W. Mao, X. Cui, National Astronomical Observations/Nanjing Institute of Astronomical Optics and Technology (China)
- 6722 29 **Influence of various doping ratio on optical and electronic performance of blue organic light-emitting diodes** [6722-80]
J. Zhong, J. Yu, L. Zhang, Y. Jiang, H. Wang, H. Lin, Univ. of Electronic Science and Technology of China (China)
- 6722 2A **Distributed optically integrated manufacture system based on CORBA** [6722-81]
M. Cen, Chongqing Univ. of Posts and Telecommunications (China); J. Jiang, Chongqing Univ. of Posts and Telecommunications (China) and Chongqing Univ. (China); X. Liu, Institute of Optics and Electronics (China); R. Hu, Sichuan Univ. (China)
- 6722 2B **New design of optical focusing system from an axicon combination for laser micro-processing machine** [6722-82]
H. Yao, Y. Zhang, X. Ye, J. Lu, Jiangsu Univ. (China)
- 6722 2C **Designing the actuator distribution of DM based on SPGD optimization** [6722-83]
H. Yang, Institute of Optics and Electronics (China) and National Univ. of Defense Technology (China); C. Rao, Y. Zhang, W. Jiang, H. Yang, Institute of Optics and Electronics (China)

Part Two

- 6722 2D **Novel automatic angular tracking method for fiber-optic alignment in butterfly laser module packaging** [6722-84]
H. Shen, X. Wang, Harbin Institute of Technology, Shenzhen Graduate School (China)
- 6722 2E **Micro-feed mechanism with high-resolution and large-stroke based on friction drive** [6722-85]
H. Liu, Z. Lu, Harbin Institute of Technology (China)
- 6722 2F **Rotating sensing based on slow light coupled resonator structure with EIT-like property** [6722-86]
C. Peng, Z. Li, A. Xu, Peking Univ. (China)

- 6722 2G **Design and fabrication of a non-polarizing broadband dichroic filter** [6722-87]
X. Ma, D. Liu, Z. Zhu, D. Li, G. Chen, F. Zhang, Shanghai Institute of Technical Physics (China)
- 6722 2H **Influence of laser beam on transport dynamics of Si nanoparticles by laser ablation** [6722-88]
Y. Wang, W. Xu, Y. Zhou, L. Chu, Y. Hou, G. Fu, Hebei Univ. (China)
- 6722 2I **Optimization of deposition uniformity in a planet rotation system with precise mask design** [6722-89]
J. Luo, S. Chen, P. Ma, Chengdu Fine Optical Engineering Research Ctr. (China)
- 6722 2J **Automatic alignment between two optical fiber collimators** [6722-90]
J. Xu, X. Wang, H. Shen, Harbin Institute of Technology, Shenzhen Graduate School (China)
- 6722 2K **Effects of substrate temperature and annealing in air on optical properties of Ag films prepared by thermal evaporation** [6722-91]
J. Lv, F. Lai, Z. Huang, Y. Qu, R. Gai, Fujian Normal Univ. (China)
- 6722 2L **Effects of substrate temperature and annealing on the structure and optical properties of ZnS film** [6722-92]
X. Wu, F. Lai, Y. Lin, Z. Huang, R. Chen, Fujian Normal Univ. (China)
- 6722 2M **Analysis of ring resonator of integrated optical waveguide gyroscope** [6722-93]
X. Zhang, C. Ji, T. Zhang, Y. Cui, Southeast Univ. (China)
- 6722 2N **Machining mode and error analysis in non-axisymmetric aspheric surface grinding** [6722-94]
Z. Wang, Y. Guo, H. Huang, J. Gou, Xiamen Univ. (China)
- 6722 2O **Long wavelength infrared dual field-of-view optical system** [6722-95]
T. Xiong, C. Yang, Huazhong Institute of Electro-Optics (China)
- 6722 2P **Research on locus planning in large scale non-axisymmetric aspheric surface machining** [6722-96]
H. Huang, Y. Guo, Xiamen Univ. (China)
- 6722 2Q **Study on ITO/Ag/ITO multilayer film as the electrode of organic light-emitting diodes** [6722-97]
L. Zhang, J. Yu, J. Zhong, H. Wang, Y. Jiang, J. Deng, Univ. of Electronic Science and Technology of China (China)
- 6722 2R **Application of media with a negative refractive index in IR and visible frequencies** [6722-98]
B. Liang, L. Feng, X. Zhang, Z. Li, J. Chen, S. Zhuang, Univ. of Shanghai for Science and Technology (China)
- 6722 2S **Analysis of laser-induced damage threshold in dielectric optical film** [6722-99]
X. Shang, Sichuan Univ. (China) and Chengdu Fine Optical Engineering Research Ctr. (China); P. Ma, J. Hu, Chengdu Fine Optical Engineering Research Ctr. (China); R. Zhang, Sichuan Univ. (China)

- 6722 2T **Numerical and experimental study on SU-8 UV photolithography** [6722-100]
L. Du, S. Zhu, J. Qin, C. Liu, Dalian Univ. of Technology (China)
- 6722 2U **Calculation and structural analysis for the rigidity of air spindle in the single point diamond turning lathe** [6722-101]
C. An, Harbin Institute of Technology (China) and Chengdu Fine Optical Engineering Research Ctr. (China); Q. Xu, Chengdu Fine Optical Engineering Research Ctr. (China); F. Zhang, Harbin Institute of Technology (China); J. Zhang, Chengdu Fine Optical Engineering Research Ctr. (China)
- 6722 2V **Matching the residual stress between Hafnia and silica for high reflective mirrors** [6722-102]
J. Hu, S. Cheng, P. Ma, J. Luo, Z. Wang, Chengdu Fine Optical Engineering Research Ctr. (China)
- 6722 2W **Layer-by-layer assembled highly reflective optical coatings** [6722-103]
L. Zhou, X. Li, H. Yu, W. Li, Wuhan Univ. of Technology (China)
- 6722 2X **Characterization of hydrogenated amorphous silicon thin films prepared by PECVD** [6722-104]
Z.-M. Wu, S.-B. Li, W. Li, N.-M. Niao, Y.-D. Jiang, K.-P. Zhu, Univ. of Electronic Science and Technology of China (China)
- 6722 2Y **Temperature distribution and thermal stress in glass irradiated by dual CO₂ lasers** [6722-105]
H. Lu, J. Junke, X. Wang, Huazhong Univ. of Science and Technology (China)
- 6722 2Z **Negative refraction phenomenon dependent on wave guide width** [6722-106]
L. Feng, B. Liang, Z. Li, J. Chen, S. Zhuang, Univ. of Shanghai for Science and Technology (China)
- 6722 30 **Research on rheological property of magnetorheological fluid** [6722-107]
H. Wang, A. Tian, Q. Tang, Z. Chen, B. Liu, Xi'an Technological Univ. (China)
- 6722 31 **Crucial fabrication with rounded diamond cutting tools** [6722-108]
T. Sun, Z. Q. Li, W. J. Zong, S. Dong, K. Cheng, Harbin Institute of Technology (China); Z. Z. Zhao, Liaoning Univ. of Technology (China)
- 6722 32 **Morphology of femtosecond laser-induced structural changes in MgAl₂O₄ crystal** [6722-109]
B.-H. Yu, Xinyang Normal Univ. (China) and Huazhong Univ. of Science and Technology (China); N.-L. Dai, Y.-H. Li, Q.-G. Zheng, P.-X. Lu, Xinyang Normal Univ. (China)
- 6722 33 **Study on laser anti-damage film of 532nm and 1064nm Nd:YAG laser** [6722-110]
J. Tang, G. Liu, X. Fu, Y. Zhao, Changchun Univ. of Science and Technology (China); J. Wang, Northeast Normal Univ. (China)
- 6722 34 **Study on electroluminescent characteristics of two novel fluorene/carbazole copolymers** [6722-111]
F. Suo, J. Yu, J. Deng, Y. Jiang, Univ. of Electronic Science and Technology of China (China); R. Wang, T. Liu, Fudan Univ. (China)

- 6722 35 **Design and manufacture of broadband high-reflective film** [6722-112]
J. Zhang, X. Fu, Changchun Univ. of Science and Technology (China)
- 6722 36 **High speed lapping hyperboloid by means of a lapping tool bending method** [6722-113]
J. Yang, Changchun Univ. of Science and Technology (China) and Jilin Province Economics and Management Cadres College (China); C. Tian, H. Yang, Z. Hao, Changchun Univ. of Science and Technology (China)
- 6722 37 **Influence of ambient gas on the microstructural properties of Er-doped nanocrystalline Si film fabricated by pulsed laser ablation** [6722-114]
Y. Zhou, L. Chu, P. Duan, W. Xu, Y. Wang, G. F, Hebei Univ. (China)
- 6722 38 **Optimization and test of two-dimensional birefringent low-pass filter** [6722-115]
X. Qi, Zhejiang Univ. (China) and Anhui Normal Univ. (China); B. Lin, X. Cao, Zhejiang Univ. (China)
- 6722 39 **Design of F-Theta lens used in laser marking machine** [6722-116]
Y. Ji, W. Shen, Soochow Univ. (China)
- 6722 3A **Research on polishing technology based on surface contact MRF** [6722-117]
Z. Chen, Z. Guo, W. Liu, L. Hang, W. Wang, Xi'an Technological Univ. (China)
- 6722 3B **Electronic trap effect of spectral sensitizing dye adsorbed on the surface of the film of silver chloride microcrystals** [6722-118]
X.-W. Li, J.-X. Zhang, R.-X. Zhang, W.-D. Lai, L. Li, X.-H. Dai, G. Fu, Hebei Univ. (China)
- 6722 3C **Novel method of designing deformable polishing lap** [6722-119]
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)
- 6722 3D **Micro topography of different material surface by solid abrasive lapped at high speed** [6722-120]
C. Tian, J. Yang, J. Fan, H. Zhou, Changchun Univ. of Science and Technology (China)
- 6722 3E **1.06 μ M/LWIR dual band antireflection coatings for optical windows** [6722-121]
C. Xiong, L. Yang, Q. Li, Huazhong Institute of Electro-Optics (China)
- 6722 3F **Crystallization of amorphous Si thin films by means of laser and thermal annealing from the viewpoint of energy** [6722-122]
G. Fu, Z. Deng, Y. Wang, K. Zhang, Hebei Univ. (China)
- 6722 3G **Photoelectron decay kinetics of cubic silver chloride microcrystal film adsorbing plentiful dye excited by laser** [6722-123]
R. Zhang, J. Zhang, W. Lai, Y. Hu, X. Dai, L. Han, X. Li, Hebei Univ. (China)
- 6722 3H **Dynamics analysis of photoelectron decay in cubic AgCl microcrystals by sulfur sensitization** [6722-124]
X. Li, Y. Hu, R. Zhang, J. Zhang, G. Dong, S. Yang, G. Fu, Hebei Univ. (China)

- 6722 3I **STABCC: a new 3D surface topography algorithm based on contourlet transform and correlation theory** [6722-125]
J. Wang, Huazhong Univ. of Science and Technology (China) and China Jiliang Univ. (China); Y. Kang, House Mapping and Conveying Institute of Zhe Jiang (China); L. Xu, Huazhong Univ. of Science and Technology (China)
- 6722 3J **Rock fracture image acquisition and analysis** [6722-126]
W. Wang, J. Zongpu, Henan Polytechnic Univ. (China); L. Chen, Chongqing Three Gorges Univ. (China)
- 6722 3K **Comparison of global thresholding algorithms on rock joint images** [6722-127]
L. Chen, Chongqing Three Gorges Univ. (China); W. Wang, Henan Polytechnic Univ. (China); H. Liao, Chongqing Three Gorges Univ. (China)
- 6722 3L **Study on chemical mechanical polishing process of lithium niobate** [6722-128]
S. Wang, Y. Liu, Z. Li, Hebei Univ. of Technology (China)
- 6722 3M **Embedded design on optical coherence tomography control system** [6722-129]
Z. Wang, X. Wang, G. Zhong, Zhejiang Univ. (China)
- 6722 3N **Study of holographic grating in porous silicon optical waveguides** [6722-130]
Z. Jia, X. Lü, C. Tu, Xinjiang Univ. (China)
- 6722 3O **Study on anti-laser high-reflection coating** [6722-131]
H. Wang, BaiCheng Teacher College (China); X. Fu, Chang Chun Univ. of Science and Technology (China); X. Chen, China Trade Association For Anti-Counterfeiting (China)
- 6722 3P **Study on the performance of organic light-emitting diode with N,N'-bis(3-methylphenyl)-N,N'-diphenylbenzidine doped in polystyrene as hole transporting layer** [6722-132]
J. Deng, G. Xie, J. Yu, F. Suo, W. Li, Y. Jiang, Univ. of Electronic Science and Technology of China (China)
- 6722 3Q **Deposition and applications of high performance YF₃ thin films** [6722-133]
L. Yang, C. Xiong, M. Zhu, Huazhong Institute of Electro-Optics (China)
- 6722 3R **Design and fabrication of soft x-ray transmission phase gratings** [6722-134]
K. Qiu, X. Xu, Y. Liu, Y. Hong, S. Fu, Univ. of Science and Technology of China (China)
- 6722 3S **Design of erbium-doped fiber laser based on linear multi-cavity** [6722-135]
H. Pang, H. Cui, H. Lian, R. Zhao, B. Hu, Y. Wang, Hebei Univ. of Science and Technology (China)
- 6722 3T **DLC/BP ultra durable LWIR protective coatings for ZnS windows** [6722-136]
Q. Li, S. Liu, C. Xiong, Huazhong Institute of Electro-Optics (China)
- 6722 3U **Design of dual-FOV refractive/diffractive LWIR optical system** [6722-137]
J. Zhang, L. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of Chinese Academy of Sciences (China); X. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China)

- 6722 3V **Effects on residual stresses of aluminum alloy LC4 by laser shock processing** [6722-138]
Y. Zhang, Jiangsu Univ. (China) and East China Univ. of Science and Technology (China);
J. Lu, D. Kong, H. Yao, C. Yang, Jiangsu Univ. (China)
- 6722 3W **Fabrication of supersmooth surfaces with low subsurface damage** [6722-139]
Z. Shen, B. Ma, Z. Wang, Tongji Univ. (China); Y. Ji, T. Liu, H. Liu, Tianjin Jinhang Institute of
Technology Physics (China)
- 6722 3X **High quality HfO₂ thin films prepared by reactive ion beam assisted deposition** [6722-140]
C. Wang, Y. Jin, J. Shao, Z. Fan, Shanghai Institute of Optics and Fine Mechanics (China)
- 6722 3Y **Research on ITO transparent electromagnetic shielding coatings for E-O system** [6722-141]
M. Zhu, Huazhong Institute of Electro-Optics (China) and Huazhong Univ. of Science and
Technology (China); C. Xiong, Q. Lee, Huazhong Institute of Electro-Optics (China)
- 6722 3Z **Low doping white phosphorescent organic light-emitting diodes** [6722-142]
Y. Jiang, J. Wang, S. Lou, H. Lin, J. Yu, Univ. of Electronic Science and Technology of China
(China)
- 6722 40 **Laser cutting for slotted oil pipes** [6722-143]
C. He, Huazhong Univ. of Science and Technology (China)
- 6722 41 **Light extraction from organic light emitting diode** [6722-144]
W. Chen, G. Li, F. Wu, Univ. of Electronic Science and Technology of China (China)
- 6722 42 **Bright-yellow molecular organic light-emitting diodes based on two novel silole derivatives**
[6722-145]
L. Li, W. Li, J. Yu, Q. Li, S. Lou, Y. Jiang, Univ. of Electronic Science and Technology of China
(China); X. Zhan, Institute of Chemistry (China)
- 6722 43 **Properties of DC magnetron sputtered indium-tin oxide films with the assistance of tiny H₂O
vapor at low temperature** [6722-146]
H. Lin, J. Yu, S. Lou, J. Wang, Y. Jiang, Univ. of Electronic Science and Technology of China
(China);
- 6722 44 **High bright blue organic light-emitting diodes based on a novel silole derivative** [6722-147]
Q. Li, J. Yu, L. Li, Y. Jiang, S. Lou, Univ. of Electronic Science and Technology of China
(China); X. Zhan, Institute of Chemistry (China)
- 6722 45 **Methods to determine best-fit sphere for off-axis aspheric surface** [6722-148]
L. Zheng, National Astronomical Observatories/Nanjing Institute of Astronomical Optics and
Technology (China) and Graduate School of Chinese Academy of Sciences (China);
Z. Zhu, Nanjing Institute of Astronomical Optics and Technology (China)
- 6722 46 **Colony image acquisition and segmentation** [6722-149]
W. X. Wang, Chongqing Univ. of Posts and Telecommunications (China) and Henan
Polytechnic Univ. (China)
- 6722 47 **Design and implementation of lens for fast biochip detection system** [6722-150]
Q. Ye, Y. Liu, W. Zhou, J. Tian, Nankai Univ. (China)

- 6722 48 **Grating vibration sensor with digital direction identification** [6722-151]
J. Zhuge, Tianjin Univ. (China) and Tianjin Univ. of Science and Technology (China); Z. Zeng, Tianjin Univ. (China); S. Li, Tianjin Univ. of Science and Technology (China); Y. Zhang, X. Zhan, Tianjin Univ. (China)
- 6722 49 **All-fiber acousto-optic intensity modulator using surface acoustic wave** [6722-152]
K. Yu, W. An, T. Liu, S. Li, S. He, S. Hu, Beijing Univ. of Technology (China)
- 6722 4A **Ion beam figuring system in NUDT** [6722-153]
L. Zhou, X. Xie, Y. Dai, C. Jiao, S. Li, National Univ. of Defense Technology (China)
- 6722 4B **ZnO nanocrystalline thin films prepared by ion beam enhanced deposition method** [6722-154]
N. Y. Yuan, J. H. Li, Z. J. He, G. Li, X. Q. Wang, Jiangsu Polytechnic Univ. (China)
- 6722 4C **Hardness of CNx films deposited by MCECR plasma sputtering** [6722-155]
C. Cai, J. Li, Q. Mi, W. Ma, Y. Yan, H. Liang, Xi'an Technological Univ. (China)
- 6722 4D **Hardness of DLC deposited by pulsed arc** [6722-156]
C. Cai, Q. Mi, W. Ma, Y. Yan, H. Liang, Xi'an Technological Univ. (China)
- 6722 4E **Optical passive athermalization for infrared zoom system** [6722-157]
S. Li, C. Yang, J. Zheng, N. Lan, T. Xiong, Y. Li, Huazhong Institute of Electro-Optics (China)
- 6722 4F **Design of Cassegrain-Schmidt optical system** [6722-158]
P. Hao, K. Li, Z. Wang, Tongji Univ. (China)
- 6722 4G **Design and application of non-spherical focus mirror based on analytical function theory** [6722-159]
R. Zhong, X. Tang, Huazhong Univ. of Science and Technology (China); Q. Wang, Huazhong Normal Univ. (China); C. Wang, Z. Li, Huazhong Univ. of Science and Technology (China)
- 6722 4H **1.8-in. 128×160 full color passive matrix OLED** [6722-160]
G. Yang, Q. Jiang, J. Cheng, J. Zhong, W. Chen, X. Q. Wei, J. Wang, H. Lin, M. Xie, Univ. of Electronic Science and Technology of China (China); S. Chen, Zhejiang Yankon Group Corp., Ltd. (China)
- 6722 4I **Cleaning of ITO glass with carbon dioxide snow jet spray** [6722-161]
J. Li, T. Qi, S. Li, G. Zhao, Univ. of Electronic Science and Technology of China (China)
- 6722 4J **Study on the spectral properties of Yb:KGW crystal** [6722-162]
W. Yang, J. Wu, L. Guo, S. Lv, S. Feng, Y. Chen, J. Yang, Fujian Normal Univ. (China)
- 6722 4K **Optical system design of multi-spectral and large format color CCD aerial photogrammetric camera** [6722-163]
Y. Qian, T. Sun, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); X. Gao, W. Liang, Institute of Optics and Electronics (China)

- 6722 4L **Scaling and analyzing the influence of fluid surface of fluid with nano-granular through speckle pattern experiment** [6722-164]
X. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China); Y. Wang, X. Li, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); J. W. Seo, Hongik Univ. (South Korea)
- 6722 4M **Optical and electrochemical properties of Ni doped WO₃-MoO₃ films prepared by sol-gel process** [6722-165]
Z. Li, M. Zhang, Y. Zhang, Naval Univ. of Engineering (China)
- 6722 4N **Narcissus analysis for cooled staring IR system** [6722-166]
F.-Y. He, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); J.-C. Cui, S.-L. Feng, X. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 6722 4O **Study on computer controlled polishing machine with small air bag tool** [6722-167]
Y. Wang, Y. Ni, J. Yu, Soochow Univ. (China)
- 6722 4P **Fabrication of aspherical liquid lens controlled by electrostatic force** [6722-168]
Z. Zhan, K. Wang, Univ. of Science and Technology of China (China)

Author Index

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Introduction

Optical manufacturing technology has seen tremendous progress especially during the last 10 years both in China and abroad. It plays remarkable supporting and enabling roles in many industries and contributes to technology and society development. Optical manufacturing technology has become a very important interdisciplinary field of manufacturing science and optical science. It is closely associated with developments in information technologies, bioscience, materials, nanotechnologies, etc. At the same time, optical manufacturing has developed into a new global business involving optics, optoelectronics, and photonics in the world economy system. Today, as China becomes an integral part of the global economy, it is hard to find an area of optical manufacturing or optical market that doesn't involve the close cooperation between China and the rest of the world.

To satisfy the needs for timely exchanges of optical manufacturing technologies and market information, the first international symposium on Advanced Optical Manufacturing and Testing Technology (AOMATT) was sponsored and organized by the Chinese Optics Society (COS), The Institute of Optics and Electronics (IOE) of Chinese Academy of Science (CAS), and SPIE in 2000. Prof. WANG Daheng, a leading authority of Chinese optics and optical engineering and an academician of both the Chinese Academy of Science and Chinese Academy of Engineering, chaired the first successful AOMATT symposium in Chengdu, China. The first AOMATT in 2000 resulted in 106 papers published in the Proceedings of SPIE, Vol. 4231. A much larger second AOMATT meeting was held in Xian, China, in 2005. It resulted in 359 papers published in the Proceedings of SPIE, Vols. 6148–6150. The third AOMATT symposium came back to Chengdu, China, in July 2007. By all accounts, it was even a bigger success. More than 700 delegates from all over the world attended the opening ceremony and plenary session on the first day of the symposium. A total of 483 oral and poster papers were presented at the symposium. They are published in the Proceedings of SPIE, Vols. 6721–6724.

Professor ZHOU Bingkun, AOMATT 2007 Symposium General Chair, President of the Chinese Optical Society, and Academician of Chinese Academy of Science, chaired the opening ceremony and the plenary presentation, and gave its congratulations to the symposium in his opening speech. Professor CAO Jinghua, Vice Director of the Bureau of International Co-operation of Chinese Academy of Science, attended the opening ceremony and gave a warm opening speech. Dr. Philip Stahl from NASA Marshall Space Flight Center, a member of SPIE's Board of Directors and Vice President of ICO, represented SPIE at the symposium and delivered the first symposium plenary presentation entitled "James Webb Space Telescope: The First Light Machine." It was warmly received by the symposium delegates. Other symposium plenary speakers include Dr. Bernard Delabre from

ESO of Germany, Dr. Eric Ruch from REOSC of France, Dr. Jim Burge from the University of Arizona of USA, Dr. David Walker from Univ. College London of UK, Dr. Yoshiharu Namba from Chubu University of Japan, Dr. Tadashi Hatano from Tohoku University of Japan, Dr. Masaomi Kameyama from Nikon Corporation of Japan, Dr. Xiangang Luo from IOE of China, and Dr. Sen Han from Veeco Corporation, USA. The plenary presentations have given symposium delegates the opportunity to learn about the latest developments in large mirror and telescope technology, advanced optical manufacturing technology, optical testing, and nanotechnologies. The symposium has provided an excellent platform for all delegates to network with each other, review progresses in their fields, discuss future technology and market trends, explore collaboration and business opportunities, etc.

We are delighted that each new AOMATT symposium is more successful than the last. AOMATT has established itself as a must-attend leading optical design and manufacturing symposium in China. We are confident the meeting will get even better in the future and become a well-known international symposium. We would like to express our sincere appreciation to all organizations and individuals who have contributed to the success of AOMATT. We want to thank all authors and symposium delegates for attending the symposium and sharing their research and development with their colleagues around the world. The next AOMATT symposium will be held in China in 2009. We are looking forward to seeing you all at an even more successful AOMATT.

Li Yang

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