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

Design, Manufacturing, and Testing of Micro- and Nano-Optical Devices and Systems

**Sen Han
Tingwen Xing
Yanqiu Li
Zheng Cui**
Editors

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Contents

ix	Conference Committee
xi	Symposium Committee
xiii	Introduction
xv	Attendees of AOMATT 2007 photo

PLENARY SESSION

6724 02	Immersion and 32nm lithography: now and future [6724-01] M. Kameyama, Nikon Corp. (Japan); M. McCallum, Nikon Precision Europe GmbH (United Kingdom)
---------	--

SESSION 4-1

6724 03	Design, modeling, and fabrication techniques of bulk PZT actuators for MEMS deformable mirrors [6724-02] X. Xu, J. Chu, Univ. of Science and Technology of China (China)
6724 04	Calculation of refractive-index distribution of hexagonal GRIN lenses [6724-03] Z. Zhou, R. Zhang, K. Chen, Southwest Univ. of Science and Technology (China)
6724 05	Novel system for optical axis on-line calibration [6724-04] W. Qiao, H. Yan, W. Lu, Zhejiang Univ. (China)
6724 06	Microfabrication of all-polymer capacitors for electronics [6724-05] S. Wang, B. W. Borden, R. Li, Univ. of North Texas (USA)
6724 07	New gas sensor head without gas chamber by hollow core PBF [6724-06] X. Zhou, J. Hou, J. Zhao, Northwestern Polytechnical Univ. (China)

SESSION 4-2

6724 08	Development of an experimental EUVL system [6724-07] C.-S. Jin, Changchun Institute of Optics, Fine Mechanics and Physics (China); L.-P. Wang, L.-C. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); Q. Lin, Graduate School of the Chinese Academy of Sciences (China); S. Pei, J.-L. Cao, Changchun Institute of Optics, Fine Mechanics and Physics (China)
6724 09	Design and process of low loss bend waveguide of integrated optical gyroscope [6724-08] X. Ji, H. Zhang, People's Liberation Army (China); G. Yang, X. Liu, Zhejiang Univ. (China); G. Lei, People's Liberation Army (China)

- 6724 0A **Rapid nanofabrication with high density pattern with UVN30 chemically amplified resist** [6724-09]
X. Wang, Hefei Univ. of Technology (China); Y. Chen, Z. Cui, Rutherford Appleton Lab. (United Kingdom); S. Fu, Univ. of Science and Technology of China (China)
- 6724 0B **Key techniques of laser direct writing patterns on spherical substrate** [6724-10]
X. Feng, J. Zhao, Changchun Institute of Optics, Fine Mechanics and Physics (China)
- 6724 0C **Analysis and optimization for effective diffraction area of grating movable light modulator** [6724-11]
L. Han, S. Huang, Z. Zhang, J. Zhang, X. Yan, Chongqing Univ. (China)
- 6724 0D **Experimental characterization of optical properties of photon sieve** [6724-12]
G. Cheng, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); T. Xing, Institute of Optics and Electronics (China); Y. Yang, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); J. Ma, Taishan College (China)
- 6724 0E **Advances of focused ion beam in micromachining technology** [6724-13]
S. J. Zhang, F. Z. Fang, X. T. Hu, Tianjin Univ. (China)
- 6724 0F **Nanoscale cutting mechanism by molecular dynamics simulation** [6724-14]
Z. G. Zhang, F. Z. Fang, C. K. Sun, Tianjin Univ. (China)
- 6724 0G **Option of resolution enhancement technology in advanced lithography** [6724-15]
Y. Li, Beijing Institute of Technology (China) and Institute of Electrical Engineering (China); Y. Zhou, Institute of Electrical Engineering (China) and Graduate School of the Chinese Academy of Sciences (China)
- 6724 0H **On-line inspection system of surface quality for medical film** [6724-16]
W. Lu, H. Yan, W. Qiao, Zhejiang Univ. (China)

SESSION 4-3

- 6724 0I **Back-illuminated GaN/AlGaIn visible-blind photodiodes** [6724-17]
L. Chen, J. Chen, Y. Bai, Shanghai Institute of Technical Physics (China); L. Guo, Institute of Physics (China); Y. Zhang, X. Li, H. Gong, Shanghai Institute of Technical Physics (China)
- 6724 0J **Measuring the parallelism of the splitter grating used in a soft X-ray laser interferometer** [6724-18]
X. Tan, Y. Liu, Z. Liu, S. Fu, National Synchrotron Radiation Lab. (China)
- 6724 0K **Reactive ion beam etching of large-aperture multilayer diffraction gratings by radio frequency ion beam source** [6724-19]
Y. Liu, D. Xu, X. Xu, Y. Hong, S. Fu, Univ. of Science and Technology of China (China)
- 6724 0L **Parameter optimization of optically excited microresonator by a semiconductor laser subject to optical feedback** [6724-20]
S. Wang, X. Wang, Y. Liu, Shanghai Institute of Optics and Fine Mechanics (China); B. Huang, H. Wang, Graduate School of the Chinese Academy of Sciences (China)

- 6724 OM **Solution to improving certain kinds of focusing and leveling measurement system** [6724-21]
G. Jun, Shanghai Micro Electronics Equipment Co. Ltd. (China)
- 6724 ON **Novel method for measuring axial aberrations of projection optics for lithographic tools** [6724-22]
M. Ma, F. Wang, Shanghai Micro Electronics Equipment Co. Ltd. (China); X. Wang, Shanghai Institute of Optics and Fine Mechanics (China)
- 6724 OO **Novel algorithm for modeling aberration-induced overlay in lithographic process** [6724-23]
F. Wang, M. Ma, L. Duan, Shanghai Micro Electronics Equipment Co. Ltd. (China); X. Wang, Shanghai Institute of Optics and Fine Mechanics (China)
- 6724 OP **Foundational study on micro machining with instantaneous tiny grinding wheel based on electro-magneto-rheological effect** [6724-24]
H. Tian, Q. Yan, J. Lu, J. Yu, Guangdong Univ. of Technology (China)
- 6724 OQ **High efficiency arrangement in comb-drive actuators** [6724-25]
X. Chen, D. W. Lee, J. Ding, Chonnam National Univ. (South Korea)

POSTER SESSION

- 6724 OR **Echo signal processing of laser rapid scanning based on wavelet transform** [6724-26]
J. Chen, Z. Xu, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); D. Xie, H. Chen, Institute of Optics and Electronics (China); J. Luo, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China)
- 6724 OS **Microscopic interferometry for dimensional characterization of MEMS devices** [6724-27]
T. Guo, J. Chen, X. Fu, X. Hu, Tianjin Univ. (China)
- 6724 OT **Simulation for effect of process parameters on surface profile in thick film photolithography** [6724-28]
X. Tang, H. Li, J. Liao, Y. Liu, Univ. of Electronic Science and Technology of China (China); Y. Guo, Sichuan Univ. (China)
- 6724 OU **Automatic spin coater for concave spherical substrate** [6724-29]
F. Liang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China); J. Gao, X. Feng, J. Zhao, Z. Xu, J. Hu, F. Xu, H. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China); X. Liu, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School of the Chinese Academy of Sciences (China)
- 6724 OV **Research on laser fuze technology based on MEMS/MOEMS** [6724-30]
H. Chen, P. Li, Y. Zhang, K. Li, J. Sun, Beijing Institute of Technology (China)
- 6724 OW **Optics design of refractive-diffractive elimination chromatic aberration system** [6724-31]
J. Shen, Changchun Univ. of Technology (China); D. Liu, Y. Sun, Changchun Univ. of Science and Technology (China)
- 6724 OX **Topography of micromirror for metal MEMS optical switch based on fractal theory** [6724-32]
Y. Zhang, Y. Luo, X. Xu, Chongqing Univ. of Posts and Telecommunications (China)

- 6724 0Y **Influence of polarization on the optimization of dual BARC structures for hyper-numerical aperture ArF immersion lithography** [6724-33]
Y. Zhou, Institute of Electrical Engineering (China) and Graduate School of the Chinese Academy of Sciences (China); Y. Li, Institute of Electrical Engineering (China) and Beijing Institute of Technology (China); Q. Zhang, Institute of Electrical Engineering (China)
- 6724 0Z **Resolution enhancement technology for ArF dry lithography at 65 nm node** [6724-34]
S. Gao, Institute of Electrical Engineering (China) and Graduate School of the Chinese Academy of Sciences (China); Y. Li, Institute of Electrical Engineering (China) and Beijing Institute of Technology (China)
- 6724 10 **Novel fabrication technology of polydimethylsiloxane microfluidic chip** [6724-35]
B. Su, Institute of Electrical Engineering (China); Y. Li, Beijing Institute of Technology (China); H. Sun, Institute of Electrical Engineering (China)
- 6724 11 **Impact of molybdenum/silicon multilayer structure on extreme ultraviolet mask fabrication** [6724-36]
G. Zhao, Institute of Electrical Engineering (China) and Graduate School of the Chinese Academy of Sciences (China); Y. Li, Institute of Electrical Engineering (China) and Beijing Institute of Technology (China)
- 6724 12 **Experimental investigation on thermoelectric generator of micro hybrid power source** [6724-37]
Y. Shang, Institute of Electrical Engineering (China); Y. Li, Institute of Electrical Engineering (China) and Beijing Institute of Technology (China); H. Yu, Institute of Electrical Engineering (China) and Graduate School of the Chinese Academy of Sciences (China); H. Sun, B. Su, Institute of Electrical Engineering (China)
- 6724 13 **Human motion capturing system with MEMS accelerometers** [6724-38]
B. Xiao, China Jiliang Univ. (China) and Zhejiang Univ (China); C. Xu, L. Xu, S. Ouyang, China Jiliang Univ. (China)
- 6724 14 **Neuron network training system for Robot responding intelligently to input light stimuli** [6724-39]
B. Xiao, China Jiliang Univ. (China) and Zhejiang Univ. (China); C. Xu, L. Xu, Q. Luo, China Jiliang Univ. (China)
- 6724 15 **Location of the micro manipulator based on color recognition of micro images** [6724-40]
Z. Xu, K. Xiao, Y. Wang, Z. Tang, Jiangsu Univ. (China)
- 6724 16 **Photoelectron dynamic property of dye sensitized AgCl cubic microcrystals** [6724-41]
W. Lai, X. Li, R. Zhang, J. Zhang, G. Fu, Hebei Univ. (China)
- 6724 17 **Residual stresses around femtosecond laser ablated grooves in silicon wafer evaluated by nanoindentation** [6724-42]
Y. Cao, Y. Wang, S. Dong, Y. Yang, Y. Liang, T. Sun, Harbin Institute of Technology (China)
- 6724 18 **Development of a new optical acceleration sensor** [6724-43]
S. Jia, J. Yang, W. Kong, Y. Du, Xi'an Jiaotong Univ. (China)
- 6724 19 **Femtosecond laser pulses micromachining of GaAs, silicon, fused silica, PMMA** [6724-44]
Y. Huang, S. Ruan, Y. Yu, C. Du, Shenzhen Univ. (China)

- 6724 1A **Nanolithography in evanescent near field by using nano-filmed noble metal layers** [6724-45]
Y. Yang, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); S. Hu, H. Yao, Institute of Optics and Electronics (China); G. Cheng, Institute of Optics and Electronics (China) and Graduate School of the Chinese Academy of Sciences (China); W. Yan, Institute of Optics and Electronics (China)
- 6724 1B **Process analysis of silica ablation by F₂ laser for MOEMS** [6724-46]
W. Li, D. Jiang, Y. Dai, Wuhan Univ. of Technology (China)
- 6724 1C **Study on the electrical and optical characteristics of a silicon electro-optic waveguide modulator using MOS configuration** [6724-47]
H. Zhang, Univ. of Shanghai for Science and Technology (China) and Tongji Univ. (China); X. Jian, Univ. of Shanghai for Science and Technology (China); B. Zhou, Tongji Univ. (China)
- 6724 1D **Template technique: a promising approach for well-aligned quantum wires fabrication** [6724-48]
I. L. Li, Y. Wu, J. P. Zhai, S. C. Ruan, Shenzhen Univ. (China); Z. K. Tang, Hong Kong Univ. of Science and Technology (Hong Kong China)
- 6724 1E **Substrate patterning for passive matrix organic light-emitting devices by photolithography processing** [6724-49]
J. Wang, J. Yu, H. Lin, S. Lou, Y. Jiang, Univ. of Electronic Science and Technology of China (China)
- 6724 1F **Mechanism influence on fatigue characters of aerial engine blade by laser shock processing** [6724-50]
W. Cheng, L. Y. Hong, M. Zhuang, Air Force Engineering Univ. (China)
- 6724 1G **Design of a new MEMS-based tunable grating with electrostatic comb drive** [6724-51]
Y. Yu, W. Yuan, J. Xu, Northwestern Polytechnical Univ. (China)
- 6724 1H **Mach-Zehnder interferometer for auto-collimated beams in non-channel photonic crystals** [6724-52]
X. Shen, K. Han, Y. Shen, X. Yang, G. Tang, H. Li, Z. Wang, China Univ. of Mining and Technology (China)
- 6724 1I **Optimizing the varied line-space grating with the curvature of grating substrate** [6724-53]
Z. Liu, Univ. of Science and Technology of China (China); B. Liu, Univ. of Science and Technology of China (China) and Hefei Sunshine Optoelectronics Science & Technology Co., Ltd. (China); X. Xu, Y. Liu, Y. Hong, S. Fu, Univ. of Science and Technology of China (China)
- 6724 1J **Study of magnetic nanostructures fabricated using laser interference lithography** [6724-54]
Z. Zhang, Y. Guo, Y. Chen, Y. Liu, X. Xu, S. Fu, J. Wang, P. Xu, Univ. of Science and Technology of China (China)
- 6724 1K **Comprehensive review of micro/meso-scale machine tools** [6724-55]
Q. Y. Wang, F. Z. Fang, X. T. Hu, Tianjin Univ. (China)
- 6724 1L **Precise wavelength demodulator used for fiber sensitivity** [6724-56]
S. He, T. Guo, S. Hu, W. Liu, K. Yu, Beijing Univ. of Technology (China)

- 6724 1M **Simulation and fabrication of monolithically integrated MSM/PHEMT 850 nm optical receiver front end** [6724-57]
C. Fan, Univ. of Electronic Science and Technology of China (China) and National Key Lab. of Monolithic Integrated Circuits and Modules (China); T.-S. Chen, National Key Lab. of Monolithic Integrated Circuits and Modules (China); S.-L. Jiao, Univ. of Electronic Science and Technology of China (China) and National Key Lab. of Monolithic Integrated Circuits and Modules (China); L. Liu, Z.-L. Chen, Y.-L. Wang, Y.-F. Wu, Y.-T. Ye, Univ. of Electronic Science and Technology of China (China)
- 6724 1N **Scatter analysis of diffractive surface manufactured by single point diamond turning** [6724-58]
J. Zhao, Q. Cui, P. Wang, Changchun Univ. of Science and Technology (China)
- 6724 1O **Fabrication of quantum dot array diffraction grating for soft x-ray spectroscopy** [6724-59]
M. Zhao, X. Zhu, B. Chen, C. Xie, M. Liu, Institute of Microelectronics (China); L. Cao, Chinese Academy of Engineering Physics (China)
- 6724 1P **Analysis on the influencing factors of deformation in bimorph deformable mirror** [6724-60]
Y. Ning, Institute of Optics and Electronics (China) and National Univ. of Defense Technology (China); W. Jiang, N. Ling, C. Rao, Institute of Optics and Electronics (China)
- 6724 1Q **Nonlinear PI-control temperature control algorithm for projection lens** [6724-61]
X. Li, H. Nie, Huazhong Univ. of Science and Technology (China); B. Yu, Shanghai Micro Electronics Equipment Co., Ltd. (China)
- 6724 1R **Simulation on signal processing of focusing and leveling measurement system** [6724-62]
X. Li, Huazhong Univ. of Science and Technology (China); F. Chen, Z. Li, Shanghai Micro Electronics Equipment Co., Ltd. (China)
- 6724 1S **Particle size study of diazonaphthoquinone/novolak** [6724-63]
P. L. Zhang, Southeast Univ. (China); H. L. Yu, Shanghai SIM-BCD Semiconductor Manufacturing Co., Ltd (China); S. Hu, Institute of Optics and Electronics (China); Z. Y. Jin, Shanghai SIM-BCD Semiconductor Manufacturing Co., Ltd. (China); L. Wang, L. Y. Liu, Southeast Univ. (China); L. C. Zhang, Y. Yang, Nanjing Electronic Devices Institute (China)
- 6724 1T **Study of critical modulation transfer function by UV-vis spectroscopy** [6724-64]
P. L. Zhang, Southeast Univ. (China); S. Hu, Institute of Optics and Electronics (China); L. C. Zhang, Nanjing Electronic Devices Institute (China); Z. Y. Jin, H. L. Yu, Shanghai SIM-BCD Semiconductor Manufacturing Co., Ltd. (China); L. Wang, Southeast Univ. (China); Y. Yang, Nanjing Electronic Devices Institute (China)
- 6724 1U **Characteristic of capillary discharge soft x-ray laser in Ne-like Ar** [6724-65]
Y. L. Cheng, X. Q. Zhang, H. G. Gou, Q. S. Zhu, Y. P. Zhao, Y. Xie, Q. Wang, Harbin Institute of Technology (China)
- 6724 1V **Key technologies for LSPR-sensing microfluidic biochip** [6724-66]
H. Wang, Univ. of Electronic Science and Technology of China (China); X. Luo, H. Yao, C. Du, Z. Y. Zhao, S. Zhu, Institute of Optics and Electronics (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

Secretary General, AOMATT 2000, 2005, 2007
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