

Program of AOM2017

Monday, April 24				
08:00-08:30	Opening Ceremony (Chair: <i>Yiping Cui</i>)			
08:30-10:00 Plenary Session I Session Chair: <i>Xiaocong Yuan</i>	08:30-09:15	Plenary Talk 1 <i>Xiang Zhang</i> Parity-time Symmetry Photonics <i>University of California, Berkeley, USA</i>		
	09:15-10:00	Plenary Talk 2 <i>Satoshi Kawata</i> Plasmonic growth of plasmonic metamaterials <i>Osaka University, Japan</i>		
10:00-10:30	Coffee Break/Exhibits			
	Venue A	Venue B	Venue C	Venue D
	Session 1: Optoelectronic Materials and Devices Session Chair: <i>Charles Surya</i>	Session 2: Micro/nano Optics, Nanophotonics Session Chair: <i>Qiwen Zhan</i>	Session 3: Plasmonics and Meta-materials Session Chair: <i>Limin Tong</i>	Session 4: Optical Information Processing Session Chair: <i>Ya Cheng</i>
10:30-12:30	10:30-11:00	(Invited): John Dallesasse Optoelectronic Integration Using the Transistor Laser: Progress and Potential <i>University of Illinois Urbana Champaign, USA</i>	(Invited): Xuetao Gan Second harmonic generation in two-dimensional materials <i>Northwestern Polytechnical University, China</i>	(Invited): Xingde Li Optical Micro Imaging technologies for Translational Applications <i>Johns Hopkins University, USA</i>
	11:00-11:30	(Invited): Li Pei Research on Key Technologies of Optoelectronic Devices <i>Beijing Jiaotong University, China</i>	(Invited): Xiaoyong Hu Metal-dielectric photonic crystal optical devices <i>Peking University, China</i>	(Invited): Anatoly V. Zayats Plasmonic nanorod metamaterials for sensing applications with optical and electric interrogation <i>King's College London, UK</i>
	11:30-12:00	(Invited): Jun Xu Advanced optoelectronic devices based on Si quantum dots/Si nanowire heterostructure <i>Nanjing University, China</i>	(Invited): Daoxin Dai Mode/polarization manipulation in silicon photonics <i>Zhejiang University, China</i>	(Invited): Hui Liu Plasmonic Spin-hall Effects and Topological Interface States <i>Nanjing University, China</i>
	12:00-12:15	(Oral: 137-01-A) <i>Kaiyang Wang, Zhiyuan Gu,</i>	(Oral: 134-02-A) <i>Xueke Duan, Juanjuan Ren, Fan</i>	(Oral: 131-08-A) <i>Jiaxing Wang, Qingbin Fan, Ting</i>

		<p><i>Shuai Wang, Nan Zhang, Shumin Xiao and Qinghai Song</i></p> <p>Reversible Lasing Mode Switching in CsPbBr₃ Perovskite Microwires</p> <p><i>Harbin Institute of Technology, China</i></p>	<p><i>Zhang, He Hao, Guowei Lu, Qihuang Gong, Ying Gu</i></p> <p>One-dimensional Propagation of Large Spontaneous Emission Based on Gap Surface Plasmons</p> <p><i>Peking University, China</i></p>	<p><i>Xu</i></p> <p>Ultra-thin plasmonic color filters incorporating free-standing resonant membrane waveguides with high transmission efficiency</p> <p><i>Nanjing University, China</i></p>	<p><i>Anatoly V. Zayats</i></p> <p>Active plasmonic multishells</p> <p><i>King's College London, Strand, London, UK</i></p>
12:15-12:30		<p>(Oral: 154-01-A)</p> <p><i>Gaige Zheng, Jicheng Wang, and Linhua Xu</i></p> <p>Enhanced absorption of monolayer two-dimensional materials with attenuated total reflectance configuration and the sensing application</p> <p><i>Nanjing University of Information Science & Technology, China</i></p>	<p>(Oral: 136-02-A)</p> <p><i>Nan Zhang, Zhiyuan Gu, Kaiyang Wang, Shumin Xiao, Qinghai Song</i></p> <p>Formation and observation of chiral resonances in optical microcavities</p> <p><i>Harbin Institute of Technology, Shenzhen, China</i></p>	<p>(Oral: 265-03-A)</p> <p><i>Xuanke Zeng, Yi Cai, Jingzhen Li, and Shixiang Xu</i></p> <p>High resolved non-collinear idler imaging via type-II angular noncritical phase-matching</p> <p><i>Shenzhen University, China</i></p>	<p>(Oral: 226-08-A)</p> <p><i>Jun-Xian Shi, Jing-Shan Qi, Cai-Qin Han and Chang-Chun Yan</i></p> <p>Goos-Hänchen shifts in phase discontinuity metasurfaces</p> <p><i>Jiangsu Normal University, China</i></p>
12:30-13:30	Lunch				
		<p>Session 1: Optoelectronic Materials and Devices</p> <p>Session Chair:</p> <p><i>You Wang</i></p>	<p>Session 2: Micro/nano Optics, Nanophotonics</p> <p>Session Chair:</p> <p><i>Xiaoyong Hu</i></p>	<p>Session 3: Plasmonics and Meta-materials</p> <p>Session Chair:</p> <p><i>Hui Liu</i></p>	<p>Session 4: Optical Information Processing</p> <p>Session Chair:</p> <p><i>Ming Li</i></p>
13:30-17:55	13:30-14:00	<p>(Invited): Charles Surya</p> <p>Morphology Engineering for Efficient Perovskite Solar Cells Based on TiO₂ Nanorod Arrays</p> <p><i>The Hong Kong Polytechnic University, China</i></p>	<p>(Invited): Qiwen Zhan</p> <p>Three dimensionally tunable spin within an optical focal spot beyond the diffraction limit</p> <p><i>University of Dayton, USA</i></p>	<p>(Invited): Chengwei Qiu</p> <p>Ultrathin 2D Metasurfaces: Hybridizing 2D Materials and Metasurfaces</p> <p><i>National University of Singapore, Singapore</i></p>	<p>(Invited): Otto L. Muskens</p> <p>Title: Metal oxide plasmonics: from optical switching to space technology</p> <p><i>School of Physics and Astronomy, University of Southampton, UK</i></p>
	14:00-14:30	<p>(Invited): Qingdong Zheng</p> <p>Material design and interface engineering for high-performance organic solar cells</p> <p><i>Chinese Academy of Sciences, China</i></p>	<p>(Invited): Ying Gu</p> <p>Cavity QED based on gap surface plasmons</p> <p><i>Peking University, China</i></p>	<p>(Invited): Weili Zhang</p> <p>Manipulation of free-space and plasmonic terahertz waves using metasurfaces</p> <p><i>Oklahoma State University, USA</i></p>	<p>(Invited): Mike Somekh</p> <p>Ptychography for extended angle surface wave measurement</p> <p><i>The Hong Kong Polytechnic University, China</i></p>
	14:30-15:00	<p>(Invited): Sanshui Xiao</p> <p>Integrated graphene-based devices for optoelectronic applications</p> <p><i>Technical University of Denmark,</i></p>	<p>(Invited): Xiulai Xu</p> <p>Enhanced optical properties of colloidal quantum dots with high Q microcavities</p> <p><i>Institute of Physics, China</i></p>	<p>(Oral: 161-08-A)</p> <p><i>Wei Ding, Yi-Zhi Sun, Renaud Bachelot, Sylvain Blaize, Li-Shuang Feng</i></p>	<p>(Invited): Jinghua Teng</p> <p>Photon Sieves for High Tolerance Hologram</p> <p><i>Institute of Materials Research and Engineering, A*STAR,</i></p>

	<i>Denmark</i>		<p>Full control of far-field radiation based on photonic integrated circuits decorated with plasmonic nano-antennae <i>Institute of Physics, Chinese Academy of Sciences, China</i></p> <p>(Oral: 170-08-A) <i>Shuiyan Cao, Ericle Moall, Aurélien Drezet, Serge Huant, Gérald Dujardin and Elizabeth Boer-Duchemin</i></p> <p>A controllable microsource of light from an electrically excited plasmonic lens <i>Université Paris-Saclay, Orsay, France</i></p>	<i>Singapore</i>
15:00-15:15	<p>(Oral: 176-01-A) <i>Huseyin Cem Gokkaya, Annie Ng, Zhiwei Ren, Shen Qian and Charles Surya</i></p> <p>Hysteresis-Less Perovskite Solar Cell Based on Inverted Structure <i>The Hong Kong Polytechnic University, China</i></p>	<p>(Oral: 143-02-A) <i>Feifan Wang, Zibo Gong, and Xiaoyong Hu</i></p> <p>Nanoscale on-chip all-optical logic parity checker <i>Peking University, China</i></p>	<p>(Oral: 248-03-A) <i>Yi Zhang, Peng Li, Sheng Liu, Lei Han, Jianlin Zhao</i></p> <p>Generation of vector beams by calibrating spatial light modulator <i>Northwestern Polytechnical University, China</i></p>	<p>(Oral: 245-03-A) <i>Shuiqin Zheng, Shixiang Xu</i></p> <p>Efficient Sorting of Vector Beams by Using Eigenstate Conjugated Element <i>Shenzhen University, China</i></p>
15:15-15:30	<p>(Oral: 177-01-A) <i>Zhiwei Ren, Jixiang Zhou, Annie Ng, Qian Shen, Hui Shen, Charles Surya</i></p> <p>Efficient Bifacial Perovskite Solar Cell with Peak Transmittance Tunable Metal Oxide/Metal/Metal Oxide Transparent Electrode <i>The Hong Kong Polytechnic University, China</i></p>	<p>(Oral: 156-02-A) <i>Shang Sun, Shumin Xiao, and Qinghai Song</i></p> <p>Distributed Feedback Laser Based on Single Crystal Perovskite <i>Harbin Institute of Technology, Shenzhen, China</i></p>		

15:30-15:40	Coffee Break			
	Session 1: Optoelectronic Materials and Devices Session Chair: <i>Jun Xu</i>	Short Course	Session 3: Plasmonics and Meta-materials Session Chair: <i>Pan wang</i>	Session 4: Optical Information Processing Session Chair: <i>Jinghua Teng</i>
15:40-16:10	(Invited): Jia Huang Organic and hybrid photo transistors <i>Tongji University, China</i>	<i>John Dallesasse</i> The History, Operating Principles, and Current Status of the Vertical-Cavity Surface-Emitting Laser <i>University of Illinois Urbana Champaign, USA</i>	(Invited): Limin Tong Narrow plasmonic resonance in a strongly coupled Au nanoparticle <i>Zhejiang University, China</i>	(Invited): Ya Cheng Deterministic nanostructuring within dielectric materials with femtosecond laser pulses <i>Chinese Academy of Sciences, China</i>
16:10-16:40	(Invited): You Wang A potential light source for a high-powered laser: DPAL <i>Southwest Institute of Technical Physics (SITP), China</i>		(Invited): Alexander Dmitriev Solar transparent radiators and adaptive chiral optical surfaces with magnetoplasmonics <i>Chalmers University of Technology, Sweden</i>	(Invited): Jianqiang Li RF Photonic Frontend for Elastic Satellite Communication Payloads <i>Beijing University of Posts and Telecommunications, China</i>
16:40-17:10	(Invited): Bing Gu Nonlinear polarization rotation of cylindrical vector beams through isotropic Kerr nonlinearities <i>Southeast University, China</i>		(Invited): Zheyu Fang Plasmonic nanostructure fabrication and near-field optical characterization <i>Peking University, China</i>	(Invited): Yu-Hui Zhang Cell-permeable organic fluorescent probes for live-cell long-term SIM super-resolution imaging <i>Huazhong University of Science and Technology, China</i>
17:10-17:25	(Oral: 182-01-A) <i>Xiumin Xie, Qiang Xu, Bizhou Shen, Jian Chen, Qian Dai, Zhu Shi, Libo Yu, Zhiming M Wang, and Hai-Zhi Song</i> InGaAsP/InP Micropillar Cavities for 1.55 μm Quantum-Dot Single Photon Sources <i>Southwest Institute of Technical Physics, China</i>		(Oral: 179-08-A) <i>Xing Li and Chuanfu Cheng</i> An experimental solution for the plasmonic and photonic mode waves launched by metal nano-slits <i>Shandong Normal University, China</i>	(Oral: 288-08-A) <i>Wuyun Shang, Fajun Xiao, Ting Mei, and Jianlin Zhao</i> Boosting Local Field Enhancement of a Plasmonic Fano Structure with Azimuthally Polarized Excitation <i>Northwestern Polytechnical University, China</i>
17:15-17:40	(Oral: 227-01-A) <i>Nan Wang, Xiong Zhang, Jianguo Zhao, Heng Zhang, Zili Wu, Qian Dai, Shuchang Wang, Guohua Hu, Yiping Cui</i>		(Oral: 181-08-A) <i>Sen Wang, Xing Li, Yan Zhang, and Chuanfu Cheng</i> Simultaneous Focusing of Surface Plasmon Polaritons and	(Oral: 291-08-A) <i>Xiang Xiong, Zheng-Han Wang, Mu Wang and Ru-Wen Peng</i> Encoding and Display with Three-dimensional Split-ring

		Epitaxial growth and characterization of non-polar a-plane AlGaIn films with MgN/AlGaIn insertion layers <i>Southeast University, China</i>		Transmitted Light with Metasurface <i>Shandong Normal University, China</i>	Resonator Arrays <i>Nanjing University, China</i>
	17:40-17:55	(Oral: 231-01-A) <i>Huahua Wang, Boyuan Cai, and Xiaocong Yuan</i> Significant light absorption improvement in perovskite/CIGS tandem solar cells with dielectric nanocone structures <i>Shenzhen University, China</i>		(Oral: 257-03-A) <i>H. LIU, Q.X. DING, H.L. Chen, C. J. GUO and L.W. ZHOU</i> Enhancement on Adaptive Acceleration System Configuration <i>Science and Technology on Electro-optic Control Laboratory, China</i>	(Oral: 298-08-A) <i>Wen-Bo Shi, Ying-Ying Zhu, Tian-Yong Chen, Hao Jing, Li-Heng Zhang, Ru-Wen Peng, and Mu Wang</i> Broadband Optical Absorption in Silicon-related Nanostructures <i>Nanjing University, Nanjing, China</i>
17:55 -19:00	Dinner				
19:00-21:00	Poster Session				

Tuesday, April 25				
08:30-10:00 Plenary Session II Session Chair: <i>Satoshi Kawata</i>	08:30-09:15	Plenary Talk 1 <i>Gerd Leuchs</i> The role of the electric field pattern of light in the interaction with nanoscopic particles <i>Max-Planck-Institut für die Physik des Lichts, Germany</i>		
	09:15-10:00	Plenary Talk 2 <i>Federico Capasso</i> High performance Metaoptics <i>Harvard University, USA</i>		
10:00-10:30	Coffee Break/Exhibits			
	Venue A	Venue B	Venue C	Venue D
	Session 1: Optoelectronic Materials and Devices Session Chair:	Session 2: Micro/nano Optics, Nanophotonics Session Chair:	Session 3: Plasmonics and Meta-materials Session Chair:	Session 4: Optical Information Processing Session Chair:

		<i>Jianjun He</i>	<i>Pingheng Tan</i>	<i>Jian-Bin Xu</i>	<i>Takashige Omatsu</i>
10:30-12:30	10:30-11:00	(Invited): Yong-Zhen Huang Circular-side square resonator lasers with enhanced transverse mode intervals and ultra-high Q factors <i>Chinese Academy of Sciences, China</i>	(Invited): Zhiyuan Li Self-propelled mechanical motion of Janus particles in point, line, and circle optical tweezers <i>Chinese Academy of Sciences, China</i>	(Invited): Lei Zhou Tunable metasurfaces for actively manipulating electromagnetic waves <i>Fudan University, China</i>	(Invited): Sheng Liu Pancharactnam--Berry phase used for realizing spin-dependent propagation and polarization measurement <i>Northwestern Polytechnical University, China</i>
	11:00-11:30	(Invited): Takanori Nomura Shack-Hartmann wavefront sensor with large dynamic range <i>Wakayama University, Japan</i>	(Invited): Min Qiu Light pushes and pulls by the synergy between optical momentum transfer and photothermal effect <i>Zhejiang University, China</i>	(Invited): Ruwen Peng Controlling the polarization states of light with metastructures <i>Nanjing University, China</i>	(Invited): Dingping Tsai Engineering Anapole for Artificial Torodial Molecule <i>Research Center for Applied Sciences, Academia Sinica, Taiwan, China</i>
	11:30-12:00	(Invited): Jun He Low dimensional metal chalcogenide semiconductors: design, synthesis and applications <i>National Center for Nanoscience and Technology, China</i>	(Invited): Yun Lai Ultranparency effect of photonic crystals and its applications <i>Soochow University, China</i>	(Invited): Wing-Cheung Law Plasmonic Semiconductor Nanocrystals for Sensing Applications <i>The Hong Kong Polytechnic University, China</i>	(Invited): Fei Xu All-fiber optoelectronic devices <i>Nanjing University, China</i>
	12:00-12:15	(Oral: 240-01-A) <i>N. P. Yadav, Xuefeng Liu, Kaleem Ullah</i> Pattern characteristics and edge resolution of GaN Sample through Parameter of Indirect Microscopy (PIMI) <i>Nanjing University of Science and Technology, China</i>	(Oral: 169-02-A) <i>Xinxiang Niu, Xiaoyong Hu, Feifan Wang, Zhen Chai, Hong Yang and Qihuang Gong</i> Ultracompact All-Optical Full-Adder Based on Nonlinear Plasmonic Nanocavities <i>Peking University, China</i>	(Oral: 189-08-A) <i>Shulin Sun, Weijie Luo, Jingwen Duan, Huijie Guo, Qiong He, and Lei Zhou</i> High-efficiency chirality-dependent surface plasmon excitations, photonic Spin hall effect and vortex beam generations <i>Fudan University, China</i>	(Oral: 236-07-A) <i>Zhigao Sheng</i> Introduction of Magneto-optics System in Chinese Steady High Magnetic Field Laboratory <i>Chinese Academy of Science, China</i>
	12:15-12:30	(Oral: 247-01-A) <i>Jianyu Zhou, Tian Sang, Junlang Li, Rui Wang, La Wang, and Jian Gao</i> Enhancement transmission filter using a two-dimensional subwavelength periodic membrane <i>Jiangnan University, China</i>	(Oral: 174-02-A) <i>Shuai Wang, Kaiyang Wang, Zhiyuan Gu, Yujie Wang, Can Huang, Ningbo Yi, Shumin Xiao, and Qinghai Song</i> High-Quality Microlasers Based on All-Inorganic Perovskite Microwires <i>Harbin Institute of Technology, Shenzhen, China</i>	(Oral: 220-08-A) <i>Jie Luo, Jensen Li, and Yun Lai</i> Lossy and gain metasurfaces for applications of antireflection coatings and parity-time-symmetric systems <i>Soochow University, China</i>	(Oral: 318-08-A) <i>Dapeng Wang, Jiao Lin, and Xiaocong Yuan</i> Interference of Multiple Surface Plasmon Polaritons <i>Shenzhen University, China</i>

12:30-13:30	Lunch				
		Session 1: Optoelectronic Materials and Devices Session Chair: <i>Zhipei Sun</i>	Session 2: Micro/nano Optics, Nanophotonics Session Chair: <i>Zhiyuan Li</i>	Session 3: Plasmonics and Meta-materials Session Chair: <i>Lei Zhou</i>	Session 5: Nano-biophotonics and Life Sciences Session Chair: <i>Thomas Klar</i>
13:30-17:40	13:30-14:00	(Invited): Yung-Fu Chen Self-mode-locked lasers in the spatial and temporal domains <i>National Chiao Tung University, Taiwan, China</i>	(Invited): Tien Khee Ng Nanowires for Optoelectronic and Solar Water Splitting Applications <i>King Abdullah University of Science and Technology, Kingdom of Saudi Arabia</i>	(Invited): Tiejun Cui Manipulating terahertz waves using coding metasurfaces <i>Southeast University, China</i>	(Invited): Jun Qian Deep-tissue functional bioimaging with aggregation-induced emission (AIE) nanoparticles <i>Zhejiang University, China</i>
	14:00-14:30	(Invited): Jianjun He Advances in simple and compact tunable semiconductor lasers <i>Zhejiang University, China</i>	(Invited): Pingheng Tan Optical properties of twisted multilayer graphene grown by chemical vapor deposition, <i>Chinese Academy of Sciences, China</i>	(Invited): Jian-Bin Xu High Performance Graphene-Based Optoelectronic Devices: Photodetector and Modulator <i>The Chinese University of Hong Kong, China</i>	(Invited): Zhen Yuan Photoacoustic tomography imaging of enteropathogenic E.coli infection in zebrafish using GFP-expressing bacteria <i>University of Macau, Macau, China</i>
	14:30-15:00	(Invited): Xiaolong Hu Timing Jitter of Superconducting Nanowire Single-Photon Detectors <i>Tianjin University, China</i>	(Invited): Huailiang Xu Femtosecond laser fabrication of micro-optics devices <i>Jilin University, China</i>	(Oral: 370-01-A) <i>Liu Yongfeng, Deng Ming, Tang Xiaosheng, Zhu Tao</i> Luminescent AIZS-GO nanocomposites as fluorescent probe for detecting copper (II) ion <i>Chongqing University, China</i>	(Invited): Liwei Liu Multi-photon excited FRET in an aqueous system from QDs to drug for PDT applications <i>Shenzhen University, China</i>
				(Oral: 300-07-A) <i>Chonglei Zhang, Luping Du, Ziqiang Xin, X.-C. Yuan</i> Based on metasurface of Plasmonic structured illumination microscopy (PSIM) through polarization modulated <i>Shenzhen University, China</i>	
15:00-15:15	(Oral: 249-01-A) <i>Guowang Zhao, Xiang Tian,</i>	(Oral: 225-02-A) <i>Li Wang, Shu-Xin Zhang, Qinghai</i>	(Oral: 339-02-A) <i>Fanfei Meng, Luping Du, and</i>	(Invited): Zhuyuan Wang SERS-active Platforms for	

	<p><i>Yuechun Shi, Yunshan Zhang, Jilin Zheng, Linjie Zou, Xiangfei Chen</i></p> <p>Experimental demonstration of directly modulated buried heterostructure DFB semiconductor laser based on reconstruction equivalent chirp technique</p> <p><i>Nanjing University, China</i></p>	<p><i>Song, Qihuang Gong and Yun-Feng Xiao</i></p> <p>High-Q whispering gallery microcavity directly bonded on a silicon substrate</p> <p><i>Peking University, China</i></p>	<p><i>Xiaocong Yuan</i></p> <p>Metal-dielectric waveguide mode for super-resolution imaging with large field of view</p> <p><i>Tianjin University, China</i></p>	<p>Immunoassay</p> <p><i>Southeast University, China</i></p>
15:15-15:30	<p>(Oral: 273-01-A)</p> <p><i>Shengping Liu, Yong Zhao, Yuechun Shi, and Xiangfei Chen</i></p> <p>A planar waveguide moiré grating and its applications to DFB semiconductor lasers</p> <p><i>Nanjing University, China</i></p>	<p>(Oral: 243-02-A)</p> <p><i>W. G. Song, C. Chen, B. B. Xu, T. Li and S. N. Zhu</i></p> <p>Quasi Parity–Time Symmetry and Transition of Optical Field in Non-Hermitian Optical Lattices</p> <p><i>Nanjing University, China</i></p>	<p>(Oral: 286-05-A)</p> <p><i>Tengjiao Wang, Na Chen, Ziwen Zhao, Fufei Pang, Zhenyi Chen and Tingyun Wang</i></p> <p>All-fiber power sensor based on silicon-germanium core fiber F-P cavity</p> <p><i>Shanghai University, China</i></p>	
15:30-15:40	Coffee Break			
	<p>Session 1: Optoelectronic Materials and Devices Session Chair: <i>Yong-Zhen Huang</i></p>	<p>Session 2: Micro/nano Optics, Nanophotonics Session Chair: <i>Tien Khee Ng</i></p>	<p>Session 6: Laser spectroscopy and Microscopy Session Chair: <i>Ruwen Peng</i></p>	<p>Session 7: Micro/nano Manufacturing and Metrology Session Chair: <i>Sheng Liu</i></p>
15:40-16:10	<p>(Invited): Zhipei Sun Nonlinear optics with two-dimensional layered materials <i>Aalto University, Finland</i></p>	<p>(Invited): Yunfeng Xiao Ultrahigh-Q asymmetric microcavity photonics <i>Peking University, China</i></p>	<p>(Invited): Yangjian Cai Propagation and imaging of partially coherent beam <i>Soochow University, China</i></p>	<p>(Invited): Boris N. Chichkov Laser Printing of Nanoparticles and Micro-optical Components <i>Leibniz Universität Hannover and Laser Zentrum Hannover e.V., Germany</i></p>
16:10-16:40	<p>(Invited): Hong Chen Optical emission and transportation controlled by tuning from elliptic to hyperbolic medium <i>Tongji University, China</i></p>	<p>(Invited): Zhanshan Wang Tailoring the EUV and X-ray spectrum with nanoscale multilayer structures <i>Tongji University, China</i></p>	<p>(Invited): Sune Svanberg Laser spectroscopy applied to ecological, food safety and environmental research <i>South China Normal University, China</i></p>	<p>(Invited): Thomas Klar STED Lithography <i>Johannes Kepler University Linz, Austria</i></p>
16:40-17:10	<p>(Invited): Lun Dai 2D materials based heterostructures: Fabrication and Application in Photodetectors <i>Peking University, China</i></p>	<p>(Invited): Jinlan Wang Absorption and Emission mechanism of Graphene and Black Phosphorus Quantum Dots <i>Southeast University, China</i></p>	<p>(Invited): George Barbastathis Nonlinear regularization for imaging system dynamics <i>Massachusetts Institute of Technology, USA</i></p>	<p>(Invited): Takashige Omatsu Optical vortices create chiral nanostructures <i>Chiba University, Japan</i></p>

	17:10-17:25	(Oral: 274-01-A) <i>Yong Zhao, Yuechun Shi, Shengping Liu, Jun Lu and Xiangfei Chen</i> A Novel Cascaded Tunable DFB Laser Array with Compact Structure <i>Nanjing University, China</i>	(Oral: 367-08-A) <i>Lin Yuan, Xin Yan, Yueke Wang, Tian Sang and Guofeng Yang</i> Transmittance characteristics of the plasmonic graphene ribbon with a wing <i>Jiangnan University, China</i>	(Oral: 146-07-A) <i>Juhong Han, You Wang, He Cai, Guofei An, Shunyan Wang, Kepeng Rong, Hang Yu, Wei Zhang, Liangping Xue, Hongyuan Wang, and Jie Zhou</i> Algorithm for evaluation of 3D-temperature distribution of a vapor cell in a DPAL system <i>Southwest Institute of Technical Physics, China</i>	(Oral: 322-06-A) <i>Chunqin Zhao, Na Chen, Shupeng Liu, Zhenyi Chen and Tingyun Wang</i> Gold Nanoparticles Modified Double-tapered Fiber for SERS Detection <i>Shanghai University, China</i>
	17:25-17:40	(Oral: 281-01-A) <i>Hao Wang, Wei Li, Kanglong Lin, Yating Zhou and Jun Lu</i> Wavelength-Switching Time Measurement of a current tuned multisection DFB laser based on REC technique <i>Nanjing University, China</i>	(Oral: 369-02-A) <i>Hong Han, Ming Jiang Zhang, Yun Cai Wang, K. Alan Shore</i> Zero Cross-Talk Regimes in Dually Modulated Mutually-Coupled Nano-lasers <i>Taiyuan University of Technology</i>	(Oral: 164-07-A) <i>Huaqin Wu, Zuoran Li, Zhifang Li, Shulian Wu, Hui Li</i> Photoacoustic imaging of early gastric cancer diagnosis based on long focal area ultrasound transducer <i>Fujian Normal University, China</i>	(Oral: 276-06-A) <i>Huachao Cheng, Sheng Liu, Peng Li, Lei Han, Yi Zhang, Jianlin Zhao</i> Morphology Conversion of Periodic Surface Structure Induced by the Vortex Phase of Femtosecond Vector Beam <i>Northwestern Polytechnical University, China</i>
18:30-20:30	Banquet				

Wednesday, April 26					
		Venue A	Venue B	Venue C	Venue D
		Session 1: Optoelectronic Materials and Devices Session Chair: <i>Qiang Zhao</i>	Session 2: Micro/nano Optics, Nanophotonics Session Chair: <i>Jiang Jiang</i>	Session 6: Laser spectroscopy and Microscopy Session Chair: <i>Kuijuan Jin</i>	Session 7: Micro/nano Manufacturing and Metrology Session Chair: <i>Changhe Zhou</i>
08:30-10:30	08:30-09:00	(Invited): Xuehua Wang Manipulation of localized light field and strong interaction between it and matter <i>Sun Yat-Sen University, China</i>	(Invited): Yujie Ding Progress on optical parametric oscillators coupled by nonlinear crystal twins <i>Lehigh University, USA</i>	(Invited): Martti Kauranen Nonlinear Microscopy of Nano-objects with Vector Fields <i>Tampere University of Technology, Finland</i>	(Invited): Anpan Han Nanofabrication technologies, materials, characterization and processes for metamaterials, x-ray optics and plasmonics <i>Technical University of Denmark, Denmark</i>

09:00-09:30	(Invited): Gang Li Tandem structure photovoltaic cells via solution process <i>The Hong Kong Polytechnic University, Hong Kong, China</i>	(Invited): Zhihui Chen Enhanced light absorption and emission by micro/nano optical coupling structures <i>Taiyuan University of Technology, China</i>	(Invited): Jianjun Chen Ultra-small beam splitters based on hybrid waveguide structures <i>Peking University, China</i>	(Invited): A. Ping Zhang Versatile Optical Maskless Exposure Technologies for Microdevices and Sensors <i>The Hong Kong Polytechnic University, China</i>
09:30-10:00	(Invited): Cheng He Photonic topological insulator with broken time-reversal symmetry <i>Nanjing University, China</i>	(Invited): Xiangdong Zhang Giant chiroptical effect caused by the electric quadrupole <i>Beijing Institute of Technology, China</i>	(Invited): Katarina Svanberg Laser spectroscopy to meet some challenges in medicine <i>Lund University, Sweden</i>	(Oral: 304-06-A) <i>Huajian Liu, Zhenyi Chen, Na Chen, Shupeng Liu, and Tingyun Wang</i> Laser-induced Self-assembly Gold Nanoparticles on the Silanized Surface of a Tapered Fiber and Its Application as a SERS Probe <i>Shanghai University, China</i>
				(Oral: 366-07-A) <i>Guofei An, You Wang, He Cai, Chunyan Wang, Kepeng Rong, Hang Yu, Liangping Xue, Wei Zhang, Juhong Han, Hongyuan Wang, and Jie Zhou</i> Amplified spontaneous emission of an end-pumped diode pumped cesium vapor laser <i>Southwest Institute of Technical Physics, China</i>
10:00-10:15	(Oral: 330-01-A) <i>Lihua Ye, Fangjie Li, Zhixiang Cheng, Guohua Hu, Yiping Cui</i> The controllable intensity and polarization degree of random laser from dye-doped Polymer-Dispersed Liquid Crystal <i>Southeast University, China</i>	(Oral: 297-02-A) <i>Kun Zhang, Yue Xu, Jia-Nan Wang, Cheng-Yao Li, Jie He, Ru-Wen Peng, and Mu Wang</i> Multimode Photon-exciton Strong Coupling in Organic-dye-doped Nanostructures <i>Nanjing University, China</i>	(Oral: 284-08-A) <i>Sung Park, Bongsu Kim, Junghoon Jahng, Will Morrison, Derek Nowak, Tom Albrecht, Eric Potma</i> Nanoscale Mapping of Near-Fields in Plasmonic and Nanophotonic Structures via Photo-induced Force Microscopy (PiFM) <i>Molecular Vista, San Jose, USA</i>	(Oral: 302-08-A) <i>Ren-Hao Fan, Yu Zhou, Dong Liu, Dong-Xiang Qi, Ru-Wen Peng, and Mu Wang</i> Broadband Polarization Rotator for Terahertz Waves <i>Nanjing University, China</i>
10:15-10:30	(Oral: 334-01-A) <i>Mai Xu, Meng-ying Wang,</i>	(Oral: 125-02-A) <i>Guanghao Rui, Bing Gu, Yiping</i>	(Oral: 336-03-A) <i>Anwar Hussain, Yicheng Li,</i>	

		<i>Zhao-xian Chen, Jie Tang, Guang-hao Shao, Yang Ming, Guoxin Cui and Yan-qing Lu</i> Fabrication of Pattern Poled Lithium Niobate Film and its Nonlinear Optical Applications <i>Nanjing University, China</i>	<i>Cui and Qiwen Zhan</i> Manipulation of plasmonic nanoparticles with tailored optical focal field <i>Southeast University, China</i>	<i>Cuifang Kuang and Xu Liu</i> Wide Field Lensless Microscopy through phase masking technique <i>Zhejiang University, China</i>	
10:30-10:40	Coffee Break				
		Session 1: Optoelectronic Materials and Devices Session Chair: <i>Xuehua Wang</i>	Session 2: Micro/nano Optics, Nanophotonics Session Chair: <i>Xiangdong Zhang</i>	Session 6: Laser spectroscopy and Microscopy Session Chair: <i>Martti Kauranen</i>	Session 9: Optical Super Resolution Microscopy Session Chair: <i>A. Ping Zhang</i>
10:40-12:40	10:40-11:10	(Invited): Xiaoshun Jiang On chip nonreciprocal light transmission in high-Q microcavities <i>Nanjing University, China</i>	(Invited): Jia Zhu Tailoring Nanostructures for Solar Water Treatment <i>Nanjing University, China</i>	(Invited): Jer-shing Huang Directional broadband visible gold photoluminescence <i>Leibniz Institute of Photonic Technology, Germany</i>	(Invited): Ming Lei Image retrieval algorithms for super-resolution structured illumination microscopy <i>Chinese Academy of Sciences, China</i>
	11:10-11:40	(Invited): Zhenhua Ni Photodetectors based on two dimensional materials <i>Southeast University, China</i>	(Invited): Jiang Jiang Surface plasmon resonance in doped semiconductors-metal hybrids <i>Chinese Academy of Sciences, China</i>	(Invited): Hongwei Song Local field modulation of rare earth doped upconversion nanoparticles and its application <i>Jilin University, China</i>	(Invited): Luping Du Harnessing surface plasmons with structured-lights and structured-surfaces <i>Shenzhen University, China</i>
	11:40-12:10	(Invited): Ting Lei Ultra-broadband On-chip Emitter for Twisted Light <i>Shenzhen University, China</i>	(Invited): Kuijuan Jin Evolution of structural distortion in BiFeO₃ thin films probed by second-harmonic generation <i>Chinese Academy of Sciences, China</i>	(Oral: 340-02-A) <i>Aiping Yang, Luping Du, and Xiaocong Yuan</i> Perfect radially polarized beam directed gap-enhanced Raman spectroscopy <i>Shenzhen University, China</i>	(Oral: 167-04-A) <i>Jianling Chen, Yiru Peng, Hongqin Yang, Shusen Xie</i> Two-photon luminescence and stimulated emission depletion with gold nanorod by a single wavelength <i>Fujian Normal University, China</i>
	12:10-12:25	(Oral: 190-02-A) <i>Zhipeng Qi, Guohua Hu, Yiping Cui</i> Fano Resonances in	(Oral: 303-02-A) <i>Zheng-Han Wang, Xiang Xiong, Ru-Wen Peng and Mu Wang</i> Generation of equal-intensity	(Oral: 350-04-A) <i>Yanxiang Ni, Bo Cao, Tszshan Ma, Gang Niu, Danni Chen, Junle Qu, Michael Q Zhang</i>	(Oral: 256-04-A) <i>H. LIU, Q.X. DING, H.L. Chen, C. J. GUO and L.W. ZHOU</i> Restructure on Global

		Ultracompact Silicon-on-Insulator Compatible Integrated Photonic-Plasmonic Hybrid Circuits <i>Southeast University, China</i>	coherent optical beams by binary geometrical phase on metasurface <i>Nanjing University, China</i>	Super-resolution imaging study of 3D genomic folding in single embryonic stem cells <i>Shenzhen University, China</i>	Approach Improve Super Resolution <i>Science and Technology on Electro-optic Control Laboratory, China</i>
	12:25-12:40	(Oral: 230-08-A) <i>Rong-yuan Zou, Jun-xian Shi, Hong-kai Dai, Hong-feng Wang, Lin-yong Qian, Cai-qin Han, and Chang-chun Yan</i> Polarization conversion between reflection and transmission of a patchy plasmonic structure <i>Jiangsu Normal University, China</i>	(Oral: 234-01-A) <i>Bo Huang, Ruilin Xu, Lei Zhang, Yufen Yuan, Changgui Lu, Yiping Cui, Jiayu Zhang</i> Synthesis of alloy CdZnSeS/ZnS core/shell quantum dots with high purity and stable green photoluminescence <i>Southeast University, China</i>	(Oral: 351-07-A) <i>Danni Chen, Heng Li, Bin Yu, Gaixia Xu, and Junle Qu</i> Multi-particle parallel tracking with 3D nano-resolution in living cells <i>Shenzhen University, China</i>	(Oral: 266-07-A) <i>Youhua Chen, Yue Fang, Dazhao Zhu, Peng Xiu, Cuifang Kuang, Xu Liu</i> Fourier ptychography Microscopy based on grid-structure illumination <i>Zhejiang University, China</i>
12:40-13:30	Lunch				
		Session 1: Optoelectronic Materials and Devices Session Chair: <i>Zhenhua Ni</i>	Session 8: Fiber-based Micro/nano-optics and Technologies Session Chair: <i>Xiaoshun Jiang</i>	Session 8: Fiber-based Micro/nano-optics and Technologies Session Chair: <i>Jia Zhu</i>	Session 9: Optical Super Resolution Microscopy Session Chair: <i>Hongwei Song</i>
13:30-15:15	13:30-14:00	(Invited): Qiang Zhao Organic Semiconductors with Tunable Triplet Excited States for Optoelectronic Applications <i>Nanjing University of Posts and Telecommunications, China</i>	(Invited): Shibin Jiang Fiber lasers for micro/nano processing <i>University of Arizona, USA: Innovative</i>	(Invited): Changhe Zhou Challenge and prospective of Large grating fabrication <i>Chinese Academy of Sciences, China</i>	(Invited): Xu Liu Super-resolution Microscopy based on Spatial Frequency Shift Effect <i>Zhejiang University, China</i>
	14:00-14:30	(Invited): Baojun Li Optical manipulation of particles and cells using fiber probes <i>Jinan University, China</i>	(Invited): Wending Zhang Vector/vortex beams generation in fiber based on the electrically tunable acoustically-induced grating <i>Northwestern Polytechnical</i>	(Invited): Dong Mao Transition metal dichalcogenides mode locked fiber laser <i>Northwestern Polytechnical University, China</i>	(Oral: 283-04-A) <i>Wei Yan, Junle Qu</i> Coherent optical adaptive technique improves the spatial resolution of STED microscopy <i>Shenzhen University, China</i>

			<i>University, China</i>		(Oral: 290-02-A) <i>Hui Fang, Shuo Yan, and Mengjun Li, and Xiaocong Yuan</i> Optical Excitation of Plasmonic Breathing Mode of a Metal Nanodisc and its Application in Gap-mode SERS <i>Shenzhen University, China</i>
14:30-14:45	(Oral: 343-01-A) <i>Zi Ye, Jifang Qiu, Chong Meng, Li Zheng, Zhenli Dong, and Jian Wu</i> Inverse Design of a SOI T-junction Polarization Beamsplitter <i>Beijing University of Posts and Telecommunications, China</i>	(Oral: 258-05-A) <i>H. LIU, Q.X. DING, H.L. Chen, C. J. GUO and L.W. ZHOU</i> Global Algorithm Applied on Single Photon Detection <i>Science and Technology on Electro-optic Control Laboratory, China</i>	(Oral: 279-08-A) <i>Ping Gu, Zhuo Chen, and Zhen-lin Wang</i> Optical properties and fluorescence reshaping of Dielectric-metal Core-shell Resonators <i>Nanjing University, China</i>	(Oral: 307-07-A) <i>Shenfei Zong, Zhuyuan Wang, Yiping Cui</i> FRET Based Nanoprobe for Dual Color Super Resolution Imaging <i>Southeast University, China</i>	
14:45-15:00	(Oral: 348-03-A) <i>Yunsong Wang, Xinyu Chen, and Lijian Zhang</i> High-speed Balanced Homodyne Detector for Quantum Information Applications <i>Nanjing University, China</i>	(Oral: 296-05-A) <i>Wei Zhang, Na Chen, Zhenyi Chen, Ziwen Zhao, Qiang Guo, Fufei Pang and Tingyun Wang</i> The Dynamic Process of Laser Drawing Germanium Core Optical Fiber <i>Shanghai University, China</i>	(Oral: 365-07-A) <i>Chen-yin NI, Jin-chao Lv, Zhong-hua Shen and Vitalyi Gusev</i> Probing of Irreversible Modification of A Crack by Laser Ultrasonic Techniques <i>Nanjing University of Science and Technology</i>	(Oral: 326-07-A) <i>Zhongzhi Yu, Shaocong Liu, Shiyi Sun, Cuifang Kuang, and Xu Liu</i> Discussion of imaging properties for parallel detecting super resolution Microscopy <i>Zhejiang University, China</i>	
15:00-15:15	(Oral: 353-01-A) <i>Jifang Qiu</i> An Ultra-Compact Computational SOI-based T-Junction <i>Beijing University of Posts and Telecommunications (BUPT), China</i>	(Oral: 329-07-A) <i>Dongyang Wang, Na Chen, Ziwen Zhao, Zhenyi Chen and Tingyun Wang</i> Strain Distribution in Silica-Clad Crystalline-Germanium-Core Fiber <i>Shanghai University, China</i>	(Oral: 345-05-A) <i>Zhanbing Wang, Yana Shang, Fufei Pang, Huanhuan Liu, Na Chen, Yan Wu, Yanan Kang</i> A Novel Design of PbS Quantum Dots Filled Photonic Crystal Fiber for All-fiber Amplifier <i>Shanghai University, China</i>	(Oral: 338-03-A) <i>Yicheng Li, Diyi Liu, Anwar Hussain, Cuifang Kuang and Xu Liu</i> Holographic Reconstruction Based on Diffused Multi-height Recovery <i>Zhejiang University, China</i>	