

Program

Time: Jul. 22-24, 2022

Place: Sheraton Xian Hotel (SXH), Xi'an, China

Day 1: Registration

Time: 09:00--21:00, Jul. 22, 2022 (Friday); Place: Lobby, 1F, SXH

Day 2: Jul. 23, 2022 (Saturday), Morning

Opening Ceremony

Time: 09:00-09:10, Jul. 23, 2022 (Saturday); Place: Dynasty Ballroom, 2F, SXH

Plenary Forum

Time: 09:10-12:10, Jul. 23, 2022 (Saturday); Place: Dynasty Ballroom, 2F, SXH

Moderator:	Dr. Hong Gao, Xi'an Jiaotong University, China
	Title: Optical Vector Remote Sensing Mechanism and Its Achievements
09:10-09:40	Dr. Lei Yan, Peking University, China 晏磊, 北京大学
	Title: Novel Design of Surface Emitting Lasers for Green Data Com and Automotive (Online Speech)
09:40-10:10	Dr. Dieter Bimberg, "Bimberg Chinese-German Center for Green Photonics" CIOMP, Chinese Academy of Sciences, China; Center of Nanophotonics and Institute of Solid State Physics, TU Berlin, Germany
	Title: Application Researches on Deep Learning for Hyperspectral Remote Sensing Image Classification
10:10-10:40	Dr. Wenxing Bao, North Minzu University, China 保文星, 北方民族大学
	Title: Flexible Electronics: From Foils to Smart Textile: Not a Dream Anymore (Online Speech)
10:40-11:10	Dr. Rodrigo Martins, New University of Lisbon, Portugal
	Title: High Performance Quantum Computing in Nanoelectronics (Online Speech)
11:10-11:40	Dr. Adam W. Skorek, University of Québec at Trois-Rivières, Québec, Canada
	Title: The Computational Imaging Connotation and Fundamental Issues
11:40-12:10	Dr. Xiaopeng Shao, Xidian University, China 邵晓鹏, 西安电子科技大学

Day 2: Jul. 23, 2022 (Saturday), Afternoon

Session 1-1: Preparation and Application of Optical Materials

Time: 13:30-17:00, Jul. 23, 2022 (Saturday); Place: Dynasty 1, 2F, SXH

Chair	Dr. Yang Yue, Xi'an Jiaotong University, China 岳洋, 西安交通大学
13:30-13:55	Title: Non-Zero Dispersion-Shifted Fiber for Orbital Angular Momentum Mode Dr. Yang Yue, Xi'an Jiaotong University, China 岳洋, 西安交通大学
13:55-14:20	Title: 1D & 2D Bi ₂ O ₂ Se Based Photodetector (Cancel Speech)) Dr. Chao Chen, University of Electronic Science and Technology of China, China
14:20-14:45	Title: Interfacial Coupling and Its Modulation in van der Waals Heterostructures (Online

	Speech) Dr. Xiaoxian Zhang, Beijing Jiaotong University, China 张小娴, 北京交通大学
14:45-15:10	Title: Optical Fiber Sensors Based on Fiber Interferometers (Online Speech) Dr. Jingjing Zheng, Beijing Jiaotong University, China 郑晶晶, 北京交通大学
15:10-15:20	Coffee Break
15:20-15:45	Title: Effect of Molecularly Imprinted Polymer on Electromagnetic Wave Absorption of Polyaniline Dr. Mingming Ma, Xi'an Polytechnic University, China 马明明, 西安工程大学
15:45-16:10	Title: Silsesquioxane Protected Metal Nanoclusters: Preparation and Photoelectric Properties (Online Speech) Dr. Kai Sheng, Shandong Jiaotong University, China 盛凯, 山东交通大学
16:10-16:35	Title: Solvent-free Functional Molecular/Polymer Fluids towards Luminescent and Stretchable-Electret Applications (Online Speech) 播放视频 Dr. Takashi Nakanishi, International Center for Materials Nanoarchitectonics (WPI-MANA), National Institute for Materials Science (NIMS); Hokkaido University, Japan
16:35-17:00	Title: Wave Fronts and Caustics Associated with a Circular Wave Refracted by a Singular Curve Dr. Cuilian Zhang, Wenzhou University, China 张翠莲, 温州大学

Session 1-2: Breaking Research of Optical Technology

Time: 13:30-17:20, Jul. 23, 2022 (Saturday); Place: Dynasty 5&6, 2F, SXH

Chair	Dr. Hanping Wu, Wuhan Institute of Technology, China 吴晗平, 武汉工程大学
Co-Chair	Dr. Zexin Feng, Beijing Institute of Technology, China 冯泽心, 北京理工大学
13:30-13:50	Title: Research on Integrated Optical Systems of Receiving and Transmitting for Near Ground Ultraviolet Communication Dr. Hanping Wu, Wuhan Institute of Technology, China 吴晗平, 武汉工程大学
13:50-14:10	Title: Research Progress of Calibration Technology of Infrared Remote Sensing (Online Speech) Dr. Xiaopeng Hao, Remote Sensing Calibration Lab, National Institute of Metrology, China 郝小鹏, 中国计量科学研究院红外遥感定标与计量技术联合实验室
14:10-14:30	Title: Freeform Optics for Optical Field Manipulation(Online Speech) Dr. Zexin Feng, Beijing Institute of Technology, China 冯泽心, 北京理工大学
14:30-14:50	Title: Sorting Plastic Waste with NIR Technology Dr. Jia Li, Shanghai Jiaotong University, China

14:50-15:10	Title: Dynamics of Chiral Particle Illuminated by a Vortex Beam Dr. Tan Qu, Xidian University, China 屈檀, 西安电子科技大学
15:10-15:20	Coffee Break
15:20-15:40	Title: Integrated Optomechanical Analysis of Space Telescope Dr. Shuxin Wang, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, China 王书新, 中国科学院长春光学精密机械与物理研究所
15:40-16:00	Title: Phylogenetic Trees = Genomic Index Maps (Online Speech) Dr. Zhijie Zheng, Yunnan University, China 郑智捷, 云南大学
16:00-16:20	Title: Widely Tunable and Narrow Linewidth in the Mid- Infrared BaGa4Se7 Optical Parametric Oscillator Pumped by a Nd: YAG Laser (Online Speech) Dr. Jintian Bian, National University of Defense Technology, China 卞进田, 国防科技大学
16:20-16:40	Title: 3D Optical Sectioning Microscopic Measurement Technology Dr. Tao Liu, Xi'an Jiaotong University, China
16:40-17:00	Title: Solution of Intelligent Laser Deposition Manufacturing Equipment(Online Speech) Dr. Fei Xing, Nanjing Zhongke Raycham Laser Technology Co., Ltd, China 邢飞, 南京中科煜宸激光技术有限公司
17:00-17:20	Title: Random Scattering of Surface Plasmons for Sensing Applications (Online Speech) 播放视频 Dr. Matthew Foreman, Imperial College London, UK

Session 1-3: Photonic Technologies and Devices

Time: 13:30-15:10, Jul. 23, 2022 (Saturday); Place: Dynasty 2&3, 2F, SXH

Chair	Dr. Xiaoping Liu, ShanghaiTech University, China 刘晓平, 上海科技大学
Co-Chair	Dr. An Pan, State Key Laboratory of Transient Optics and Photonics, Xi'an Institute of Optics and Precision Mechanics (XIOPM), Chinese Academy of Sciences (CAS), China 潘安, 中国科学院西安光学精密机械研究所
13:30-13:50	Title: Silicon Photonic Reconfigurable Neural Networks Dr. Xiaoping Liu, ShanghaiTech University, China 刘晓平, 上海科技大学
13:50-14:10	Title: Research on Comprehensive Performance of Low Infrared Emissivity Materials Dr. Weigang Zhang, Chuzhou University, China 张伟钢, 滁州大学
14:10-14:30	Title: Deep Learning Enabled Inverse Design of Complex Multi-functional Metasurfaces Dr. Wei Ma, Zhejiang University, China 马蔚, 浙江大学
14:30-14:50	Title: Integrated Optical Switches Realized on Silicon-silicon Nitride Multi-layer Waveguide Platform (Online Speech) 播放视频 Dr. Linjie Zhou, Shanghai Jiao Tong University, China 周林杰, 上海交通大学

14:50-15:10 Title: Numerical Simulation and Optimization of Resonant Nanophotonic Devices
(Online Speech)
Dr. Sven Burger, JCMwave GmbH; Zuse-Institut Berlin, Germany

Session 2-1: Electronic Materials, Dielectric Materials and Memristor Devices

Time: 13:30-16:20, Jul. 23, 2022 (Saturday); Place: Dynasty 9, 2F, SXH

Chair Dr. Junjie Zhao, Zhejiang University, China
赵俊杰, 浙江大学

13:30-13:50 Title: Vapor-Phase Synthesis and Modification of Metal-Organic Framework Thin Films(Online Speech)
Dr. Junjie Zhao, Zhejiang University, China
赵俊杰, 浙江大学

13:50-14:10 Title: Fabrication and Transport Characteristics of Si-based Artificial Graphene
Dr. Peizong Chen, Fudan University, China
陈培宗, 复旦大学

14:10-14:30 Title: Large-scale Multiferroic Complex Oxide Epitaxy with Magnetically Switched Polarization
Dr. Tingting Jia, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China
贾婷婷, 中国科学院深圳先进技术研究院副研究员

14:30-14:50 Title: Ion Beam Technology for Thin Piezoelectric Films (Online Speech) 播放视频
Dr. Karl Gündel, scia Systems GmbH, Germany

14:50-15:20 **Coffee Break**

15:20-15:40 Title: Designing Micro Thermoelectric Energy Harvester for Self-powered Wireless Sensor
Dr. Hailong He, Xi'an Jiaotong University, China
何海龙, 西安交通大学

15:40-16:00 Title: A 3D Modulation Scheme for High-speed Baseband Digital Communication System (Online Speech)
Dr. Zhengrong Lai, Guangdong Communications and Networks Institute, China
赖峥嵘, 广东省新一代通信与网络创新研究院

16:00-16:20 Title: Soil Moisture and Soil Temperature Impact on Crop Growth – An IoT Approach (Online Speech) 播放视频
Dr. Victor Grimblatt, Synopsys; The Chilean Electronic and Electrical Industry Association (AIE), Chile

Session 3-1: Semiconductor Materials and Technology

Time: 16:45-18:45, Jul. 23, 2022 (Saturday); Place: Dynasty 9, 2F, SXH

Chair Dr. Hong Wang, Sun Yat-Sen University, China
汪宏, 中山大学

16:45-17:05 Title: Device Physics and Design Enabling High Performance Thin Film Transistor Electronics (Cancel Speech)
Dr. Xiaojian She, Zhejiang University, China
余小健, 浙江大学

17:05-17:25	Title: Optical and Opto-electronic Properties of Emerging Two-dimensional Semiconductors (Online Speech) 播放视频 Dr. Lin Wang, Nanjing Tech University, China 王琳, 南京工业大学
17:25-17:45	Title: High Performance Organic Electrochemical Transistors Based on Donor-Acceptor Conjugated Polymers Dr. Hanyu Jia, Zhengzhou University, China 贾晗钰, 郑州大学
17:45-18:05	Title: High Voltage GaN-based HEMTs Power Devices Dr. Shenglei Zhao, Xidian University, China 赵胜雷, 西安电子科技大学
18:05-18:25	Title: Low-dimensional Structure Modulating the Electrical Performance and Application of Wide-gap Semiconductor β -Ga ₂ O ₃ Dr. Jie Su, Xidian University, China 苏杰, 西安电子科技大学微电子学院 (袁海东代讲)
18:25-18:45	Title: Preparation and Application of Highly Integrated Organic Single Crystal Arrays Dr. Hong Wang, Sun Yat-Sen University, China 汪宏, 中山大学

Session 3-2: Optical Sensor & Fiber Optic Sensor

Time: 13:30-18:05, Jul. 23, 2022 (Saturday); Place: Dynasty 10, 2F, SXH

Chair	Dr. Yani Zhang, Shaanxi University of Science & Technology, China 张亚妮, 陕西科技大学
Co-Chair	Dr. Mingliang Jin, Qingdao University, China 金明亮, 青岛大学
13:30-13:50	Title: High Sensitivity Bio-sensor in Terahertz Regime for Cancer Cell Detection Based on Microstructure Polymer Dr. Yani Zhang, Shaanxi University of Science & Technology, China 张亚妮, 陕西科技大学
13:50-14:10	Title: Superior Chemical Sensing of Stretchable Ionotronic Skin Dr. Mingliang Jin, Qingdao University, China 金明亮, 青岛大学
14:10-14:30	Title: Noise Analysis and Performance Improvement of A MEMS Fabry-Pérot Seismic Accelerometer Dr. Xueyong Wei, Xi'an Jiaotong University, China 韦学勇, 西安交通大学
14:30-14:50	Title: Design of Compact Fabry-Perot Cavity for Sensing Temperature and Strain Dr. Jin Li, Northeastern University, China 李晋, 东北大学
14:50-15:10	Title: Nanofabrication by Electron Beam Lithography for Novel Photo-electronic Sensors (Cancel speech) Dr. Yifang Chen, Fudan University, China
15:10-15:20	Coffee Break
15:20-15:40	Title: Sensitized Plastic Fiber Shape Sensing Based on Deep Learning

	Dr. Zhongwei Tan, Beijing Jiaotong University, China 谭中伟, 北京交通大学
15:40-16:00	Title: Issues on the Application of Optical Fiber Sensors in Engineering (Online Speech) Dr. Huaping Wang, Lanzhou University, China 王花平, 兰州大学
16:00-16:20	Title: Large Rigid-body Displacement Parameters Extraction of Segmented Mirror in Pose Co-phasing Adjustment Simulation Analysis (Online Speech) Dr. Huisheng Yang, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, China 杨会生, 中国科学院长春光学精密机械与物理研究所
16:20-16:40	Title: Research on High Performance Displacement Measurement Technology Based on Image Recognition Dr. Hai Yu, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, China 于海, 中国科学院长春光学精密机械与物理研究所
16:40-17:00	Title: Ionizing Radiation Detection Using CMOS Sensors in Smartphones and Surveillance Cameras (Online Speech) Dr. Qingyang Wei, University of Science and Technology Beijing, China 魏清阳, 北京科技大学

Day 3: Jul. 24, 2022 (Sunday), Morning

Session 1-4: Laser Technology and Application

Time: 08:30-12:00, Jul. 24, 2022 (Sunday); Place: Dynasty 5&6, 2F, SXH

Chair	Dr. Fei Gao, Xi'an University of Technology, China 高飞, 西安理工大学
Co-Chair	Dr. Zhenxu Bai, Hebei University of Technology, China 白振旭, 河北工业大学
08:30-08:50	Title: Development of the Multi-longitudinal-mode High-spectral-resolution lidar for Aerosol Measurement Dr. Fei Gao, Xi'an University of Technology, China 高飞, 西安理工大学
08:50-09:10	Title: Ultra-intensive X-ray Radiation Interaction with Gas and Solid Materials Dr. Jiaolong Zeng, Zhejiang University of Technology, China 曾交龙, 浙江工业大学
09:10-09:30	Title: Diamond - A New Approach toward High-power Brillouin Lasing Dr. Zhenxu Bai, Hebei University of Technology, China 白振旭, 河北工业大学
09:30-09:50	Title: High-speed and Low-energy Consumption Vertical Cavity Surface Emitting Lasers for Optical Interconnects Dr. Sicong Tian, Bimberg Chinese-German Center for Green Photonics, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, China 田思聪, 中国科学院长春光学精密力学与物理研究所 Bimberg 中德绿色光电子研究中心

09:50-10:10	Title: Application of Laser Measurement Technology in Aerospace Test Field Dr. Yingyu Hou, China Academy of Aerospace Aerodynamics, China 侯英昱, 中国航天空气动力技术研究院
10:10-10:20	Coffee Break
10:20-10:40	Title: Uncertainty Model of Basic Object in Laser Point Cloud Dr. Jili Yao, Shandong University of Technology, China 姚吉利, 山东理工大学
10:40-11:00	Title: A New Type of Solid State Laser Cascade Pumped by Diode-pumped Rubidium Vapor Laser (Online Speech) Dr. Qing Ye, National University of Defense Technology, China 叶庆, 中国国防科技大学
11:00-11:20	Title: Research on Small Volume Instrument of Drinking Water Quality Detection Based on Laser Spectrum Technology(Online Speech) Dr. Zhaoshuo Tian, Harbin institute of Technology at Weihai, China 田兆硕, 哈尔滨工业大学(威海)
11:20-11:40	Title: High Power Fiber Lasers and Its Current Challenges (Online Speech) 播放视频 Dr. Liang Dong, Clemson University, USA

Session 1-5: Quantum Optics & Nonlinear Optics

Time: 08:30-12:00, Jul. 24, 2022 (Sunday); Place: Dynasty 9, 2F, SXH

Chair	Dr. Zhihui Yan, Shanxi University, China 闫智辉, 山西大学
Co-Chair	Dr. Yiqi Zhang, Xi'an Jiaotong University, China 张贻齐, 西安交通大学
08:30-08:50	Title: Distributed Measurements of Multiple Parameters in Quantum Interferometer(Online Speech) Dr. Zhihui Yan, Shanxi University, China 闫智辉, 山西大学
08:50-09:10	Title: Scaling Architecture of Semiconductor Quantum Dots (Online Speech) 播放视频 Dr. Guangwei Deng, University of Electronic Science and Technology of China, China 邓光伟, 电子科技大学
09:10-09:30	Title: Topological Valley Hall Edge Solitons Dr. Yiqi Zhang, Xi'an Jiaotong University, China 张贻齐, 西安交通大学
09:30-09:50	Title: Quantum States Generation in Cavity Magnomechanics and Optomagnonics (Online Speech) Dr. Jie Li, Zhejiang University, China 李杰, 浙江大学
09:50-10:10	Title: Optical Parallel Computation Similar to Quantum Computation Based on Optical Fields Modulated with Pseudorandom Phase Sequences(Online Speech) Dr. Jian Fu, Zhejiang University, China 符建, 浙江大学
10:10-10:20	Coffee Break

10:20-10:40	Title: Incoherent Optical Image Restoration Based on Weak Nonlinearity for Imaging through Scattering Media Dr. Zhaolu Wang, Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences, China 王昭路, 中国科学院西安光学精密机械研究所
10:40-11:00	Title: Highly Efficient Anisotropic Nonlinear Optical Properties of Advanced Materials (Online Speech) Dr. Zhihui Chen, Central South University, China 陈智慧, 中南大学
11:00-11:20	Title: Quantum Simulation on Three-dimensional Integrated Photonic Chips (Online Speech) Dr. Hao Tang, Shanghai Jiao Tong University, China 唐豪, 上海交通大学
11:20-11:40	Title: Quantum State Generation in Nonlinear Metasurfaces (Online Speech) 播放视频 Dr. Thomas Pertsch, Friedrich Schiller University Jena, Germany
11:40-12:00	Title: Optical Nonlinearity Enhancement of Excitons Strongly Coupled to a Fabry-Perot Cavity (Online Speech) 播放视频 Dr. Kuidong Wang, University of Strasbourg, France 王魁东

Session 3-3: Optoelectronic Materials

Time: 08:30-10:10, Jul. 24, 2022 (Sunday); Place: Dynasty 10, 2F, SXH

Chair	Dr. Qiang Wang, Shaanxi University of Science & Technology, China 王强, 陕西科技大学
Co-Chair	Dr. Yaohong Zhang, Northwest University, China 张耀红, 西北大学
08:30-08:50	Title: Energy Harvesting and Self-powered Sensor Deploying Two-Dimensional Materials Dr. Qiang Wang, Shaanxi University of Science & Technology, China 王强, 陕西科技大学
08:50-09:10	Title: Interface Modification and Interfacial Charge Dynamic in Colloidal Quantum Dot Solar Cells Dr. Yaohong Zhang, Northwest University, China 张耀红, 西北大学
09:10-09:30	Title: "Seeding Mechanism" for the Site-Specific Growth and Nanopatterning of Two-Dimensional Materials (Online Speech) Dr. Yuan Li, Huazhong University of Science and Technology, China 李渊, 华中科技大学
09:30-09:50	Title: Silicon Nanotubes as Photoelectric Materials Dr. Yuanhong Tang, Hainan Normal University, China 唐元洪, 海南师范大学
09:50-10:10	Title: On the Electrodynamics of a Non-Contact Inductive Sensor for High-Accuracy Tip Deflection Measurements of Piezoceramic Bending Actuators (Cancel Speech)

Dr. Rüdiger G. Ballas, Wilhelm Büchner University of Technology, Germany; The International Association of Advanced Materials (FIAAM), Sweden

10:10-10:20 **Coffee Break**

Day 3: Jul. 24, 2022 (Sunday), Afternoon

Session 1-6: Optical Communications Technology

Time: 13:30-15:50, Jul. 24, 2022 (Sunday); Place: Dynasty 5&6, 2F, SXH

Chair Dr. Mingxing Luo, Southwest Jiaotong University, China
罗明星, 西南交通大学

Co-Chair Dr. Xizheng Ke, Xi'an University of Technology, China
柯熙政, 西安理工大学

13:30-13:55 Title: SCSK: A Spherical Quasi-physical Model Based Color-Shift Keying Approach for Visible Light Communication
Dr. Ming Jiang, Sun Yat-Sen University, China
江明, 中山大学

13:55-14:20 Title: Experimental Study on 100km Free Space Coherent Optical Communication
Dr. Xizheng Ke, Xi'an University of Technology, China
柯熙政, 西安理工大学

14:20-14:45 Title: Noise Reduction Control of High Power Laser
Dr. Chuanwu Liao, Dalian University of Technology, China
廖传武, 大连理工大学

14:45-15:10 Title: Optimization Design and Experiment for CAEP THz FEL Facility in 0.7THz-4.2THz
Dr. Yuhuan Dou, Institute of Applied Physics and Computational Mathematics, Beijing, China
窦玉焕, 北京应用物理与计算数学研究所

15:10-15:25 **Coffee Break**

15:25-15:50 Title: Verifying Entangled Quantum Optic Network
Dr. Mingxing Luo, Southwest Jiaotong University, China
罗明星, 西南交通大学

Session 1-7: Optics in Health Care and Biomedical

Time: 13:30-17:05, Jul. 24, 2022 (Sunday); Place: Dynasty 9, 2F, SXH

Chair Dr. Cuiping Yao, Xi'an Jiaotong University, China
姚翠萍, 西安交通大学

Co-Chair Dr. Peng Gao, Xidian University, China
郜鹏, 西安电子科技大学

13:30-13:55 Title: Laser-based Intercellular Delivery of Molecules
Dr. Cuiping Yao, Xi'an Jiaotong University, China
姚翠萍, 西安交通大学

13:55-14:20 Title: Structured Illumination Microscopy for Phase and Fluorescent Imaging
Dr. Peng Gao, Xidian University, China
郜鹏, 西安电子科技大学

14:20-14:45	Title: High-throughput Fourier Ptychographic Microscopy in Biophotonics and Biomedicine Dr. An Pan, State Key Laboratory of Transient Optics and Photonics, Xi'an Institute of Optics and Precision Mechanics (XIOPM), Chinese Academy of Sciences (CAS), China 潘安, 中国科学院西安光学精密机械研究所
14:45-15:10	Title: Optical Vortex Microrheology of Turbid Viscoelastic Media Dr. Jing Wang, Huazhong University of Science and Technology, China 王敬, 华中科技大学
15:10-15:25	Coffee Break
15:25-15:50	Title: Quantitative Biomedical Photonics Imaging Platform for Gastric Cancer Detection (Online Speech) Dr. Xueli Chen, Xidian University, China 陈雪利, 西安电子科技大学
15:50-16:15	Title: A Wireless Energy Transmission Enabled Wearable Active Acetone Biosensor for Non-invasive Prediabetes Diagnosis Dr. Yuanjie Su, University of Electronic Science and Technology, China 苏元捷, 电子科技大学
16:15-16:40	Title: DMD-addressing Based Ptychographic Phase Microscopy Dr. Juanjuan Zheng, Xidian University, China 郑娟娟, 西安电子科技大学
16:40-17:05	Title: Temperature-feedback Nanoplatform for NIR-II Penta-modal Imaging-guided Synergistic Photothermal Therapy and CAR-NK Immunotherapy of Lung Cancer (Online Speech) Dr. Zhen Yuan, University of Macau, Macau 袁振, 澳门大学

Session 3-5: Epitaxial Quantum Dot Materials (Online)

Time: 13:30-16:40, Jul. 24, 2022 (Sunday); Place: Dynasty 10, 2F, SXH

Chair	Dr. Chaoyuan Jin, Zhejiang University, China 金潮渊, 浙江大学
Co-Chair	Dr. Changsi Peng, Soochow University, China 彭长四, 苏州大学
13:30-13:55	Title: In-situ Laser Interference Modulated Molecular Beam Epitaxial Growth of Quantum Dots (Online Speech) Dr. Changsi Peng, Soochow University, China 彭长四, 苏州大学
13:55-14:20	Title: InAs Quantum Dot Lasers on Si Grown by Molecular Beam Epitaxy (Online Speech) Dr. Qian Gong, Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, China 龚谦, 中科院上海微系统和信息技术研究所
14:20-14:45	Title: 半导体量子点确定性量子光源 (Online Speech) Dr. Yongheng Huo, University of Science and Technology of China, China 霍永恒, 中国科学技术大学

14:45-15:10	Title: Wavelength Control by Nanostructure in Sb-based Infrared Opto-electronic Photodiode and Related Technologies (Online Speech) Dr. Hongyue Hao, Institute of Semiconductors, Chinese Academy of Sciences, China 郝宏玥, 中国科学院半导体研究所
15:10-15:25	Coffee Break
15:25-15:50	Title: In-situ Laser Interference for the Control of Dissipative Process at the Nano-scale Dr. Chaoyuan Jin, Zhejiang University, China (Online Speech) 金潮渊, 浙江大学
15:50-16:15	Title: Si Based III-V Quantum-Dot Lasers and Multiwavelength Light Source (Online Speech) Dr. Ting Wang, Institute of Physics, Chinese Academy of Sciences, China 王霆, 中国科学院物理研究所
16:15-16:40	Title: Monolithic Semiconductor Light Emitters on Silicon Substrates and Beyond (Online Speech) Dr. Chao Zhao, Institute of Semiconductors, Chinese Academy of Sciences, China 赵超, 中国科学院半导体研究所
16:40-17:05	Title: InAs QD Mode-locked Lasers: Enabling the Next-generation High-speed Optical Interconnect (Online Speech) Dr. Zihao Wang, Institute of Physics, Chinese Academy of Sciences, China 王子昊, 中国科学院物理研究所

Young Scientist Forum

Time: 15:50-17:55, Jul. 24, 2022 (Sunday); Place: Dynasty 5&6, 2F, SXH

Chair	Dr. Lan Yu, Xidian University, China 于岚, 西安电子科技大学
15:50-16:15	Title: Integration of Phase Imaging and Correlation Analysis for Microfluidic Sensing Dr. Lan Yu, Xidian University, China 于岚, 西安电子科技大学
16:15-16:40	Title: Dark Topological Valley Hall Edge Solitons Dr. Boquan Ren, Xi'an Jiaotong University, China 任博权, 西安交通大学
16:40-17:05	Title: Preparation of Dy ³⁺ /Tm ³⁺ co-doped Phosphate Glasses by Melt Method and Its Luminescence Properties Mr. Danyi Zhang, Guilin University of Electronic Technology, China 张丹焱, 桂林电子科技大学
17:05-17:30	Title: Molecular Beam Epitaxial Growth and Application of Semiconductor Quantum Dot Materials (Online Speech) Dr. Hanqing Liu, Institute of Semiconductors, Chinese Academy of Sciences, China 刘汗青, 中科院半导体研究所
17:30-17:55	Title: Photosensitive Nanoparticles for Synergistic Cancer Therapy(Online Speech) Dr. Jiong Li, Xi'an Jiaotong University, China 李炯, 西安交通大学