

Conference Schedule-at-a-Glance

(All times reflect China Standard Time, UTC +8)

Date	Time	Activity	Venue
10.18	10:00-20:00	Registration	Lobby, 1F
	14:00-18:00	Workshop on Meta	Meeting Room 1, 3F
	14:00-18:00	Workshop on Lithium Niobate Photonics	Meeting Room 2, 3F
10.19	08:30-12:00	Opening Ceremony & Plenary Session	Fuyue Hall, 3F
	13:00-14:00	Excellent Achievements in Meta Poster Session	Lobby, 3F
10.19	14:00-18:30	Topic 1: Micro-nano Materials	Meeting Room 1, 3F
		Topic 3: Low-dimensional Optoelectronic Materials	
		Topic 2: Micro-nano Optoelectronic Devices	Meeting Room 2, 3F
		Topic 4: Quantum Optoelectronics	
10.20	08:30-17:00	Topic 5: Metamaterials and Nanophotonics	Meeting Room 3, 3F
		Topic 11: Optical Computing	
		Topic 6: Micro-nano Manufacturing	Meeting Room 5, 3F
		Topic 8: Advanced Imaging	
		Topic 7: Micro-nano Sensors	Meeting Room 6, 3F
		Topic 10: Flexible Devices	
		Topic 9: Advanced Display	Meeting Room 7, 3F
		Topic 12: Energy Optoelectronics	
10.19	18:30-20:30	PhotonIX Forum 2024	Shanghai Hall, 3F
		Exhibition	Lobby, 3F
10.19	18:30-20:30	Banquet & Award	Fuyue Hall, 3F

**Events and times subject to change.*

总体日程

(北京时间 UTC +8)

日期	时间	活动	地点
10.18	10:00-20:00	签到	一楼大堂
	14:00-18:00	第三届 Meta 光学技术产业 Workshop	三楼会议室 1
	14:00-18:00	第二届新兴铌酸锂光电技术与应用 Workshop	三楼会议室 2
	19:30-21:00	中国光学工程学会微纳专业委员会工作会 (闭门)	三楼会议室 3
10.19	08:30-11:40	开幕式与大会报告	三楼富悦厅
	13:00-14:00	“光学超构材料三年优秀成果展” 交流 海报交流与评选	三楼中庭
10.19 10.20	14:00-18:30 08:30-17:00	专题一：半导体及微纳光电材料 专题三：低维光电子材料	三楼会议室 1
		专题二：微纳光电子器件与集成芯片 专题四：量子光电子器件、芯片与系统	三楼会议室 2
		专题五：超材料与纳米光子学 专题十一：光计算	三楼会议室 3
		专题六：微纳光学制造	三楼会议室 5
		专题八：先进成像	三楼会议室 5
		专题七：微纳传感 专题十：柔性可穿戴器件	三楼会议室 6
		专题九：先进显示 专题十二：能源光电子	三楼会议室 7
		PhotoniX Forum 2024 展桌展示	三楼上海厅 三楼中庭
10.19	16:00-18:00	2024PhotoniX 编委工作会 (闭门)	三楼上海厅
10.19	18:30-20:30	全员宴请 & 颁奖典礼	三楼富悦厅

*日程可能会根据现场情况进行调整

详细日程 | Daily Schedule

大会场		Plenary Session
三楼富悦厅		Fuyue Hall, 3F
10月19日		Oct. 19
08:30	开幕式 Opening Ceremony	
09:00	方绚莱 (香港大学) - 可扩展的光子学纳米打印 Scalable Nanoprinting of Photonics Platform —— Nicholas X Fang , University of Hong Kong, China (<i>Plenary</i>)	
09:40	仇旻 (西湖大学) - 碳化硅光子学极其应用 Silicon Carbide Photonics and Applications —— Min Qiu , Westlake University, China (<i>Plenary</i>)	
10:20	Quo vadis, Metaphotonics —— Cheng-Wei Qiu , National University of Singapore, Singapore (<i>Plenary</i>)	
11:00	Recent advanced in metaoptics: from science into your smart phones —— Federico Capasso , Harvard University, USA (<i>Plenary</i>) (<i>online</i>)	

第三届 Meta 光学技术产业 Workshop

Workshop on Meta

三楼会议室 1

Meeting Room 1, 3F

10月18日

Oct. 18

简介：Meta 光学技术是一种基于亚波长光学微纳结构发展起来的新兴光学技术，在高集成、高灵活、多功能光学元器件方面的优势不仅被学术界广泛关注，产生了一大批原理创新性成果，同时为光信息技术与产业的发展，特别是在成像、显示、传感等领域提供了具有颠覆性的技术潜力。近年来，国内有一批专注 Meta 技术领域的初创公司先后成立，与传统信息产业的龙头企业交相辉映，展现出蓬勃发展的态势。本次活动将邀请和汇集学术界和产业界的学者、专家以及企业和投资界人士，围绕新兴的 Meta 光学技术和产业应用进行系统深入的交流和互动。本次活动将对所有注册人员开放，欢迎大家参与讨论。

第一场 主持：乔文（苏州大学）

14:00	黄玲玲（北京理工大学）——基于超表面的衍射级次主动调控与多维信息检测 Lingling Huang, Beijing Institute of Technology, China <i>(Invited)</i>
14:15	马耀光（杭州纳境科技有限公司/浙江大学）——超表面光学及其产业化实践 Yaoguang Ma, Najing /Zhejiang University, China <i>(Invited)</i>
14:30	郑国兴(武汉大学)——基于平面光学的多阶微分显微系统 Guoxing Zheng, Wuhan University, China <i>(Invited)</i>
14:45	邱兵（苏州山河光电科技有限公司）——基于超表面和人工智能的光电混合传感 Bing Qiu, SHPHOTONICS, China <i>(Invited)</i>
15:00	黄坤（中国科学技术大学）——基于信息熵调控的高阶平板衍射透镜 Kun Huang, University of Science and Technology of China, China <i>(Invited)</i>
15:15	候铭铭（华中科技大学）——单片 5 厘米口径超构透镜实现智能轻量级中红外热像仪 Mingming Hou, Huazhong University of Science and Technology, China <i>(Invited)</i>

第二场 主持：马耀光（杭州纳境科技有限公司/浙江大学）

15:30	王宇（北京与光科技有限公司）——芯片化光谱成像技术的发展趋势和应用前景 Yu Wang, Seetrum, China <i>(Invited)</i>
15:45	乔文（苏州大学）——大面积纳米超材料矩阵关键技术及其光场显示应用 Wen Qiao, Soochow University, China <i>(Invited)</i>
16:00	杜凯凯（慕德微纳（杭州）科技有限公司）——高性能 AR 衍射波导设计与加工

	Kaikai Du, Moldnano, China <i>(Invited)</i>
16:15	郝成龙 (深圳迈塔兰斯科技有限公司) ——平面超透镜产业化 Chenglong Hao, Shenzhen Metalenx Technology Co., Ltd., China <i>(Invited)</i>
16:30	李冠海 (中国科学院上海技术物理研究所) ——红外超表面色散光场调控及其探测增强 Guanhai Li, Shanghai Institute of Technical Physics, CAS, China <i>(Invited)</i>
第三场 主题研讨 主持: 李涛 (南京大学)	
16:50	主题讨论 Discussion 仇旻 (西湖大学副校长) 夏凯 (腾讯微信支付硬件创新负责人) 李惠萍 (华为技术专家) 李鑫 (字节 PICO 显示光学负责人) 王君威 (隐峰泉投资经理)

第二届新兴铌酸锂光电技术与应用 Workshop Workshop on Lithium Niobate Photonics
三楼会议室 2 Meeting Room 2, 3F

10月18日

Oct. 18

开幕 Opening Ceremony

主持人：主持：黄卫平（青岛海信宽带多媒体技术有限公司/山东大学）

Chair: Weiping Huang, Shandong University, China

致辞：祝世宁 院士（南京大学）

Adress: Academician Zhu Shining, Nanjing University, China

简介：铌酸锂晶体是一种性能优异的光电功能材料，在非线性、电光、压电、介电等方面所表现的特性和优势以及它极佳的化学稳定性，产生了一批基础性重大研究成果，也为光电信息产业发展提供了许多关键应用技术和器件。最近几年，基于新兴的铌酸锂薄膜材料，采用微纳加工技术制备脊形波导，通过提高折射率衬度实现了对光场的强约束，大幅度降低了片上光学器件的尺寸、增强了对光场的限制、提高了电光和非线性光学效应的效率。新型光电子器件和集成系统的创新因而大量涌现，开启了铌酸锂光电子学技术和应用的新纪元。本活动将邀请和汇集学术界和产业界的学者、专家以及企业和投资界人士，围绕铌酸锂新兴科学技术和产业应用进行系统深入的交流和互动。本次活动将对所有注册人员开放，欢迎大家参与讨论。

第一场 学术报告 主持：余思远（中山大学）

14:10 程亚（华东师范大学）-铌酸锂有源器件研究

Ya Cheng, East China Normal University, China *(Invited)*

14:30 欧欣（中国科学院上海微系统与信息技术研究所）-Heterogenous Integration Platform for Photonic Integrated Circuits

Xin Ou, Shanghai Institute of Microsystem and Information Technology, CAS, China *(Invited)*

14:50 刘辉（南京大学）-基于共形变换方法设计的铌酸锂薄膜宽带非线性光学波导

Hui Liu, Nanjing University, China *(Invited)*

第二场 产业报告 主持：程亚（华东师范大学）

15:10 包晓清（南京信息工程大学）-铌酸锂在光电技术产业中的应用介绍

Xiaoqing Bao, Nanjing University of Information Science and Technology, China *(Invited)*

15:30 胡卉（山东大学）-铌酸锂单晶薄膜材料及应用

	Hui Hu, Shandong University, China <i>(Invited)</i>
15:50	蔡文杰 (江苏铌奥光电) - 薄膜铌酸锂芯片及器件的产业化应用 Wenjie Cai, Liobate Technologies Limited, China <i>(Invited)</i>
16:10	叶志霖 (南智光电) - Thin Film Lithium Niobate Integrated Process Zhilin Ye, IOPTTE, China <i>(Invited)</i>
第三场 主题研讨 主持: 黄卫平 (青岛海信宽带多媒体技术有限公司/山东大学)	
16:30	主题讨论 Discussion

Topic 1: Micro-nano Materials

Topic 3: Low-dimensional Optoelectronic Materials

Meeting Room 1, 3F

10月19日		Oct. 19
S1A: 红外与太赫兹微纳光电器件		主持人: 何晓勇 (上海师范大学)
Micronano infrared and terahertz optoelectronic devices		
Chair: He Xiaoyong, Shanghai Normal University, China		
14:00	王玥 (西安理工大学) ——连续域束缚态赋能的太赫兹超表面中的共振机制及拓扑特性	Resonance mechanism and topological properties in terahertz metasurface empowered by bound states in the continuum——Yue Wang, Xi'an University of Technology, China (<i>Keynote</i>)
14:30	顾溢 (中科院上海技术物理研究所) ——面向红外焦平面应用的铟镓砷半导体材料	InGaAs semiconductor for infrared focal plane array applications——Yi Gu, Shanghai Institute of Technical Physics, CAS, China (<i>Invited</i>)
14:50	王凯歌 (西北大学) ——纳米复合薄膜(ZnCl ₂ -ZnO)/NpAA 及其作为 SERS 基底的应用	Nano-composite film (ZnCl ₂ -ZnO)/NpAA and its applications as SERS substrate——Kaige Wang, Northwest University, China (<i>Invited</i>)
15:10	韩张华 (山东师范大学) ——周期性结构中的高 Q 模式及相干红外辐射产生应用	High-Q resonances in periodic structures for coherent MIR generations——Zhanghua Han, Shandong Normal University, China (<i>Invited</i>)
15:30	李建朗 (上海理工大学) ——基于达曼光栅阵列泵浦的单频阵列固体激光器研究	Application of Damann Grating for Arrayed Single-longitudinal-mode Solid-state Laser——Jianlang Li, University of Shanghai for Science and Technology University, China (<i>Invited</i>)
15:50	3D Dirac semimetal supported tunable terahertz metamaterial absorbers and linear polarization converters	——Shilin Liu, Shanghai Normal University, China (<i>MOTA2024-01-004</i>)
16:00	Efficient Near-Infrared Tin Perovskite Light-Emitting Diodes	—— Jin Chang, Nanjing Tech University, China (<i>MOTA2024-01-011</i>)
16:10	茶歇	Tea break
S2A: 低维光电子材料 I		主持人: 孙海定 (中国科学技术大学) & 马万里 (苏州大学)
Low-dimensional Optoelectronic Materials I		
Chair: Haiding Sun, University of Science and Technology of China, China & Wanli Ma, Soochow University, China		

16:20	孙海定 (中国科学技术大学) ——氮化镓基微纳光电集成及应用 Monolithic Integration of III-Nitrides Optoelectronics—— Haiding Sun , University of Science and Technology of China, China (<i>Invited</i>)
16:40	张成 (复旦大学) ——基于二维异质结构的声电输运和声光伏效应 Cheng Zhang , Fudan University, China (<i>Invited</i>)
17:00	马万里 (苏州大学) Quantum Dot Solar Cells—— Wanli Ma , Soochow University, China (<i>Invited</i>)
17:20	王振 (中国科学院上海技术物理研究所) ——黑体响应的范德华材料及其应用 Blackbody-sensitive van der Waals materials and applications—— Zhen Wang , Shanghai Institute of Technical Physics, CAS, China (<i>Invited</i>)
17:40	Approaching the threshold limit of avalanche in stepwise van-der-Waals homojunctions—— Hailu Wang , Shanghai Institute of Technical Physics, CAS, China (<i>MOTA2024-03-003</i>)
17:50	Optoelectronic Synaptic Devices based on 2D/3D Mixed-dimensional Heterostructures—— Yong Yan , University of Science and Technology of China, China (<i>MOTA2024-03-011</i>)
18:00	Infrared Photodetector Based on Colloidal Quantum Dot —— Wenjia Zhou , ShanghaiTech University, China (<i>MOTA2024-03-008</i>)

10月20日

Oct. 20

S3A: 低维光电子材料 II 主持人: 李世龙 (浙江大学) & 彭波 (电子科技大学)

Low-dimensional Optoelectronic Materials II

Chair: Shilong Li, Zhejiang University, China & Bo Peng, University of Electronic Science and Technology of China, China

08:30	李世龙 (浙江大学) ——子带纳米光子学: 共振非弹性隧穿光源的理论及实验研究 Shilong Li , Zhejiang University, China (<i>Invited</i>)
08:50	杨绪勇 (上海大学) Xuyong Yang , Shanghai University, China (<i>Invited</i>)
09:10	彭波 (电子科技大学) ——二维多铁材料磁电互控机制研究 Bo Peng , University of Electronic Science and Technology of China, China (<i>Invited</i>)
09:30	王冲 (北京理工大学) ——二维材料天然双曲等离激元调控研究 Tuning of hyperbolic plasmons in natural 2D surface—— Chong Wang , Beijing Institute of Technology, China (<i>Invited</i>)
09:50	An active and passive hybrid mode-locked fiber laser based on a LiNbO ₃ electro-optic modulator and carbon nanotubes —— Tianliang Liu , Harbin Institute of Technology (Shenzhen), China (<i>MOTA2024-03-001</i>)
10:00	Dual-Crossbar Configured Bi ₂ O ₂ Se Device for Multiple Optoelectronic Applications ——

	Hanrong Xie, Jinan University, China (<i>MOTA2024-03-005</i>)
10:10	Spin-locked WS2 vortex emission via photonic crystal bound states in the continuum——Meng Xia, Suzhou Institute of Nano-Tech and Nano-Bionics, CAS, China (<i>MOTA2024-03-009</i>)
10:20	茶歇 Tea break
S4A: 超表面和 3D 狄拉克半金属新模态 主持人: 涂学凑 (南京大学) Novel model state of metasurface and 3D Dirac semimetals Chair: Xuecou Tu, Nanjing University, China	
10:30	谷建强 (天津大学) ——集成微纳超原子的光电导太赫兹源 Micro manufacturing and integration of terahertz detectors——Jianqiang Gu, Tianjin University, China (<i>Keynote</i>)
11:00	范克斌 (南京大学) ——物理域知识驱动的超表面逆向设计 Physics-Informed Inverse Design of Metasurfaces——Kebin Fan, Nanjing University, China (<i>Invited</i>)
11:20	何晓勇 (上海师范大学) ——基于 3D 狄拉克半金属中 ENZ 效应的混合模式波导传播特性研究 Investigation of the tunable propagation properties based on the ENZ phenomenon of 3D Dirac Semimetals——Xiaoyong He, Shanghai Normal University, China (<i>Invited</i>)
11:40	张学迁 (天津大学) ——基于干涉调控的主动式太赫兹超表面器件研究 Interference-Based Active Terahertz Metasurface devices——Xueqian Zhang, Tianjin University, China (<i>Invited</i>)
12:00	Design and Implementation of a Ternary Photonic Crystal Film for Infrared Stealth——Zongsheng Chen, National University of Defense Technology, China (<i>MOTA2024-01-006</i>)
12:10	Surface plasmon polariton and quasi bound states in the continuum based coupling structures for THz quantum-well photodetectors —— Z. X. Yang, Shanghai Institute of Microsystem and Information Technology, CAS, China (<i>MOTA2024-01-010</i>)
S5A: 太赫兹器件的微加工与波束调控 主持人: 谷建强 (天津大学) Micro manufacturing and beam manipulation of THz optical devices Chair: Jianqiang Gu, Tianjin University, China	
13:30	涂学凑 (南京大学) Micro manufacturing and integration of terahertz detectors——Xuecou Tu, Nanjing University, China (<i>Keynote</i>)
14:00	韩松 (浙江大学) ——基于光子晶体平带 super-BIC 模式的太赫兹量子级联激光器 Super-bound states-enabled flat-band THz quantum cascade lasers——Song Han, Zhejiang University, China (<i>Invited</i>)
14:20	冀允允 (南开大学) ——超表面辅助 THz 波束调控与生化传感 Research on Terahertz Chiral and Beam Manipulation Based on Liquid Crystal Cascade

	Metasurface——Yunyun Ji, Nankai University, China (<i>Invited</i>)
14:40	谭知雨 (上海理工大学) ——太赫兹磁光非互易波前调控器件研究 Terahertz nonreciprocal wavefront manipulation devices——Zhiyu Tan, University of Shanghai for Science and Technology, China (<i>Invited</i>)
15:00	Enhanced Fingerprint Spectrum Sensing Using All-Dielectric Metasurfaces Based on Quasi-BIC Resonancer——Wenshuo Chen, Xi'an University of Technology, China (<i>MOTA2024-01-008</i>)
15:10	Investigation of graphene ribbons supported terahertz multifrequency absorbers —— Shizeng Jiang, Shanghai Normal University, China (<i>MOTA2024-01-005</i>)
15:20	茶歇 Tea break
S6A: 低维光电子材料 III 主持人: 曾龙辉 (郑州大学) & 樊逢佳 (中国科学技术大学) Low-dimensional Optoelectronic Materials III Chair: Longhui Zeng, Zhengzhou University, China & Fengjia Fan, University of Science and Technology of China	
15:30	樊逢佳 (中国科学技术大学) Fengjia Fan, University of Science and Technology of China, China (<i>Invited</i>)
15:50	李德慧 (华中科技大学) ——二维钙钛矿/过渡金属硫化物异质结中的层间激子 Interlayer excitons in 2D perovskite/TMD heterostructures——Dehui Li, Huazhong University of Science and Technology, China (<i>Invited</i>)
16:10	曾龙辉 (郑州大学) ——基于范德华外延生长晶圆级 TMDs 材料的室温红外探测 Van der Waals Epitaxial Growth of Large-Scale Two-dimensional TMDs Layers for Room-temperature Infrared Photodetection——Longhui Zeng, Zhengzhou University, China (<i>Invited</i>)
16:30	杨先光 (暨南大学) ——功能光学纤维与光波导器件 Functional Optical Fiber and Optical Waveguide Devices——Xianguang Tang, Jinan University, China (<i>Invited</i>)
16:50	王启胜 (南昌大学) -基于混合维度异质结的可重构光电子器件研究 Reconfigurable optoelectronics based on mixed-dimensional heterostructures——Qisheng Wang, Nanchang University, China (<i>Invited</i>)
17:10	Complementary integrated lithium niobate/two-dimensional material optoelectronic devices——Tiefeng Yang, Jinan University, China (<i>MOTA2024-03-007</i>)
17:20	2D/3D 半导体范德华异质集成及其光电探测应用——Feng Wu, Huazhong University of Science and Technology, China (<i>MOTA2024-03-002</i>)
17:30	Vapor Deposition Large-scale Bi ₂ Se ₃ Crystals for Infrared Photodetection —— Tiange Zhao, Shanghai Institute of Technical Physics, CAS, China (<i>MOTA2024-03-006</i>)

Topic 2: Micro-nano Optoelectronic Devices

Topic 4: Quantum Optoelectronics

Meeting Room 2, 3F

10月19日	Oct. 19
S1B: 微纳光电子器件与集成芯片 I Micro-nano Optoelectronic Devices I Chair: Cheng Wang, City University of Hong Kong, China & Hongtao Lin, Zhejiang University	
14:00	马仁敏 (北京大学) ——亚衍射极限奇点介电纳米激光 Singular dielectric nanolasers beyond the diffraction limit——Renmin Ma, Peking University, China (Invited)
14:20	王骋 (香港城市大学) Cheng Wang, City University of Hong Kong, China (Invited)
14:40	欧欣 (中国科学院上海微系统与信息技术研究所) Wafer-Scale Heterogeneous Integration for Photonic Integrated Circuits——Xin Ou, Shanghai Institute of Microsystem and Information Technology, CAS, China (Invited)
15:00	林宏焘 (浙江大学) ——基于相变材料与二维材料的可重构光子器件 Phase-change and 2D materials reconfigurable photonic devices ——Hongtao Lin, Zhejiang University, China (Invited)
15:20	陆娟娟 (上海科技大学) ——集成铌酸锂非线性光子器件 Integrated Lithium Niobate Nonlinear Photonic Devices——Juanjuan Lu, ShanghaiTech University, China (Invited)
15:40	Silicon topological photonics for on-chip light manipulation——Lu Sun, Shanghai Jiao Tong University, China (MOTA2024-02-001)
15:50	High performance on-chip polarization beam splitter at visible wavelengths based on silicon nitride small-sized ridge waveguide——Yujie Ma, Shenzhen Technology University, China (MOTA2024-02-010)
16:00	High-gain Erbium-doped LiNbO3 Waveguide Amplifier——Yimeng Wang, Peking University, China (MOTA2024-02-017)
16:10	Landau Levels with Large-Area Bulk States in Silicon Photonic Crystals——Ce Chen, Shanghai Jiao Tong University, China (MOTA2024-02-003)
16:20	茶歇 Tea break

S2B: 量子精密测量 主持人: 荆杰泰 (华东师范大学)	
Quantum Precision Measurement Chair: Jietai Jing, East China Normal University, China	
16:30	王俊峰 (四川大学) —— 碳化硅色心量子传感进展 Quantum sensing of spin qubits in SiC——Junfeng Wang, Sichuan University, China (<i>Invited</i>)
16:50	侯志博 (中国科学技术大学) —— 量子集体测量 Quantum collective measurements——Zhibo Hou, University of Science and Technology of China, China (<i>Invited</i>) (<i>Online</i>)
17:10	娄彦博 (华东师范大学) —— 基于原子系综的相敏放大器及其应用 Phase-sensitive amplifier based on Atomic Ensemble and their applications——Yanbo Lou, East China Normal University, China (<i>Invited</i>)
17:30	杨兆举 (浙江大学) —— 非厄米趋肤-拓扑光学 Non-Hermitian Skin-Topological Photonics ——Zhaoju Yang, Zhejiang University, China (<i>Invited</i>)
17:50	Multi-beam quantum correlation and quantum interference based on four-wave mixing process ——Jiabin Wang, East China Normal University, China
10月20日 Oct. 20	
S3B: 量子信息 主持人: 马小松 (南京大学)	
Quantum Information Chair: Xiaosong Ma, Nanjing University, China	
08:30	刘胜帅 (华东师范大学) —— 基于四波混频过程的全光量子信息协议 All-optical quantum information protocols based on four-wave mixing process——Shengshuai Liu, East China Normal University, China (<i>Invited</i>)
08:50	刘玉龙 (北京量子信息科学研究院) —— 碳化硅薄膜集成的超导腔光力量子态调控 Quantum States Manipulation in SiC based Superconducting Cavity Optomechanical Systems——Yulong Liu, Beijing Academy of quantum information and science, China (<i>Invited</i>)
09:10	王卫 (四川大学) —— 基于连续域束缚态的光-物质强耦合相互作用及调控研究 Bound States in Continuum for manipulating strong light-matter interactions——Wei Wang, Sichuan University, China (<i>Invited</i>)
09:30	Reconfigurable Quantum Network Based on Hot Atomic Ensembles——Kai Zhang, East China Normal University, China
09:40	Landau-Zener interference in edge state pumping —— Yangjie Liu, Hubei University, China (<i>MOTA2024-04-003</i>)
09:50	茶歇 Tea break

S4B: 微纳光电子器件与集成芯片 II 主持人: 张紫阳 (西湖大学) & 郭旭涵 (上海交通大学)	
Micro-nano Optoelectronic Devices II	
Chair: Ziyang Zhang, Westlake University, China & Xuhan Guo, Shanghai Jiao Tong University, China	
10:00	张紫阳 (西湖大学) —— 锗芯聚合物光波导实现片上可饱和吸收体及锁模激光器 Germanium Nanostrip Waveguide in Polymer as Saturable Absorber——Ziyang Zhang, Westlake University, China (<i>Invited</i>)
10:20	俞泽杰 (浙江大学) —— 集成色散调控器件 Integrated dispersion control device——Zejie Yu, Zhejiang University, China (<i>Invited</i>)
10:40	郭旭涵 (上海交通大学) —— 片上微型化光谱仪 Miniaturized computational spectrometer based on on-chip resonators——Xuhan Guo, Shanghai Jiao Tong University, China (<i>Invited</i>)
11:00	Design and fabrication of metasurface optical elements (MOE) for direct time of flight applications ——Keqi Ma, Sunny OmniLight Technology (<i>MOTA2024-02-004</i>)
11:10	Mid infrared integrated computational spectrometer for gas sensing——Zunyue Zhang, Tianjin University, China (<i>MOTA2024-02-011</i>)
11:20	Characterizing the Performance of Silicon Photonic Chips Under Gamma-Ray Irradiation —— Chao Cheng, Xi'an Institute of Optics and Precision Mechanics, CAS, China (<i>MOTA2024-02-018</i>)
11:30	Topological laser with a non-Hermitian bulk —— Zhitong Li, Beijing University of Posts and Telecommunications, China (<i>MOTA2024-02-019</i>)
S5B: 量子芯片 主持人: 刘胜帅 (华东师范大学)	
Quantum Chip Chair: Shengshuai Liu, East China Normal University, China	
13:30	唐建伟 (华中科技大学) —— 固态量子辐射体的微纳光学调控 Micro-Nano Optical Control of Solid-State Quantum Emitters——Jianwei Tang, Huazhong University of Science and Technology, China (<i>Invited</i>)
13:50	冯兰天 (中国科学技术大学) —— 光量子集成芯片 Lantian Feng, University of Science and Technology of China, China (<i>Invited</i>)
14:10	张明 (浙江大学) —— 高性能光子集成器件及其量子应用 ——Ming Zhang, Zhejiang University, China (<i>Invited</i>)
14:30	Observation of quantum nonlocality in Greenberger-Horne-Zeilinger entanglement on a silicon chip——Leizhen Chen, Nanjing University, China (<i>MOTA2024-04-002</i>)
14:40	茶歇 Tea break
S6B: 微纳光电子器件与集成芯片 III 主持人: 王斌浩 (中科院西光所) & 邱枫 (国科大杭州高等研究院)	

Micro-nano Optoelectronic Devices III	
Chair: Binhao Wang, Xi'an Institute of Optics and Precision Mechanics, CAS, China & Feng Qiu, Hangzhou Institute for Advanced Study, University of Chinese Academy of Sciences, China	
14:50	陈昌 (上海工研院) Chang Chen, Shanghai Industrial Technology Research Institute, China (<i>Invited</i>)
15:10	刘安金 (中国科学院半导体研究所) —— 高速垂直腔面发射激光器: 从高温到低温 High-speed VCSEL-from high temperature to cryogenic temperature——Anjin Liu, Institute of Semiconductors,CAS, China (<i>Invited</i>)
15:30	邱枫 (国科大杭州高等研究院) —— 电光聚合物、锆钛酸铅薄膜 Electro-optic Modulators Based on Organic Materials and PZT Crystalline Thin Films——Feng Qiu, Hangzhou Institute for Advanced Study, University of Chinese Academy of Sciences, China (<i>Invited</i>)
15:50	钙钛矿 X 射线面阵探测器: 材料制备及像素级均匀性研究——Zihao Song, Huazhong University of Science and Technology, China (MOTA2024-02-008)
16:00	Analytical Impact-Excitation Theory of Er/O/B Codoped Si Light-Emitting Diodes——Yaping Dan, Shanghai Jiao Tong University, China (MOTA2024-02-009)
16:10	有限势垒束缚态——Tao Liu, Wuhan University, China (MOTA2024-02-020)

Topic 5: Metamaterials and Nanophotonics

Topic 11: Optical Computing

Meeting Room 3, 3F

10月19日	Oct. 19
S1C: 超材料与纳米光子学 I Metamaterials and Nanophotonics I 主持人: 贾宝华 (墨尔本皇家理工大学) & 陈学文 (华中科技大学) Chair: Baohua Jia, Royal Melbourne Institute of Technology University, Australia & Xuewen Chen, Huazhong University of Science and Technology, China	
13:30	贾宝华 (墨尔本皇家理工大学) —— 埃米材料集成光子学 Atomaterials for Integrated Photonics——Baohua Jia, Royal Melbourne Institute of Technology University, Australia (<i>Keynote</i>)
14:00	陈学文 (华中科技大学) —— 深纳米尺度的光与物质相互作用: 基础与机遇 Light-matter interaction at the deep nanoscale: fundamentals and opportunities——Xuewen Chen, Huazhong University of Science and Technology, China (<i>Invited</i>)
14:20	林晓 (浙江大学) —— 介电常数近零超材料中的自由电子辐射 Free-electron radiation from epsilon-near-zero metamaterials——Xiao Lin, Zhejiang University, China (<i>Invited</i>)
14:40	李炜 (中国科学院长春光机所) —— 基于色散表面的高维光电探测器 Dispersion-assisted High-dimensional Photodetection——Wei Li, Changchun Institute of Optics, Fine Mechanics and Physics, CAS, China (<i>Invited</i>)
15:10	陈林 (华中科技大学) Metasurface imaging and angular spectrum differential processing——Lin Chen, Huazhong University of Science and Technology, China (<i>Invited</i>)
15:30	李杨 (清华大学) —— 阻抗匹配零折射率超材料: 从波导到天线 Impedance-matched zero-index metamaterials: from waveguide to antenna——Yang Li, Tsinghua University, China (<i>Invited</i>)
15:50	Optical addressed dynamic meta-holography——Hui Gao, Huazhong University of Science and Technology, China (<i>MOTA2024-02-005</i>)
16:00	Dynamic and multifunctional electromagnetic wavefront engineerings by Kirigami metasurface——Yingying Wang, Fudan University, China (<i>MOTA2024-05-027</i>)

16:10	Hydrogel-Waveguiding On-Chip Meta-Optics for Dynamic Multicolor Holography—— Xinglong Li , Wuhan University, China (<i>MOTA2024-05-007</i>)
16:20	Dewdrop Metasurfaces and Dynamic Control Based on Condensation and Evaporation—— Yongxin Jing , Nanjing University, China (<i>MOTA2024-05-014</i>)
16:30	On-chip sorting of vortex beams using optical devices—— Nannan Li , Shenzhen Technology University, China (<i>MOTA2024-05-001</i>)
16:40	茶歇 Tea break
S2C: 光计算 I 主持人: 郑纪元 (清华大学) Optical Computing I Chair: Jiyuan Zheng, Tsinghua University, China	
16:50	胡小永 (北京大学) ——光子晶体信息处理芯片 Photonic crystal chip for information processing—— Xiaoyong Hu , Peking University, China (<i>Keynote</i>)
17:20	林锦添 (中国科学院上海光机所) ——微腔多边形模式产生的低阈值孤子微梳 Soliton microcomb generation by cavity polygon modes with Low pump-levels—— Jintian Lin , Shanghai Institute of Optics and Fine Mechanics, CAS, China (<i>Invited</i>)
17:40	程增光 (复旦大学) ——存内光计算 Photonic in-memory computing—— Zengguang Cheng , Fudan University, China (<i>Invited</i>)
18:00	孟祥彦 (中国科学院半导体研究所) ——基于多模干涉的光学卷积处理单元 Optical Convolution Processing Unit Based On Multimode Interference—— Xiangyan Meng , Institute of Semiconductors, CAS, China (<i>Invited</i>)
10月20日	Oct. 20
S3C: 光计算 II 主持人: 程增光 (复旦大学) Optical Computing II Chair: Zengguang Cheng, Fudan University, China	
08:30	郑纪元 (清华大学) ——高灵敏雪崩探测器在光计算领域的潜在应用 The potential applications of highly sensitive avalanche photodetectors in optical computing—— Jiyuan Zheng , Tsinghua University, China (<i>Invited</i>)
08:50	王成 (上海科技大学) ——深度储备池光计算机及其在光通信中的应用 Cheng Wang , ShanghaiTech University, China (<i>Invited</i>)
09:10	徐绍夫 (上海交通大学) ——光子张量卷积处理芯片及射频特征提取应用 Photonic tensor convolutional processor and its application in RF signal feature extraction—— Shaofu Xu , Shanghai Jiao Tong University, China (<i>Invited</i>)

09:30	周海龙（华中科技大学）——超 Tbit/s 的集成光子通用逻辑张量核 Integrated photonic universal logic tensor core beyond Tbit/s——Hailong Zhou, Huazhong University of Science and Technology, China (<i>Invited</i>)
09:50	任晏伯（中国科学院半导体研究所）——光电伊辛机 Optoelectronic Ising Machine——Yanbo Ren, Institute of Semiconductors, CAS, China (<i>Invited</i>)
10:00	茶歇 Tea break
S4C: 超材料与纳米光子学 II 主持人：马仁敏（北京大学）&李涛（南京大学） Metamaterials and Nanophotonics II Chair: Renmin Ma, Peking University, China & Tao Li, Nanjing University, China	
10:10	Advancing nanolasers based on photonic topological cavities——Hong-Gyu Park, Seoul National University, Korea (<i>Keynote</i>)
10:40	陈志刚（南开大学）——Topological Control of Vortex Generation and Transport Topological Control of Vortex Generation and Transport——Zhigang Chen, Nankai University, China (<i>Invited</i>)
11:00	Centrosymmetric metamaterials for discerning chiral light——Weibo Gao, Nanyang Technological University, Singapore (<i>Invited</i>)
11:20	叶芳伟（上海交通大学）——光子准晶中的光局域 Spontaneous Localization of Light in Photonic Quasicrystals——Fangwei Ye, Shanghai Jiao Tong University, China (<i>Invited</i>)
11:40	Excitonic van der Waals Metasurfaces for Resonant Wavefront Shaping at Deep Subwavelength Thickness Scale——Jiaxin zhou, Suzhou Institute of Nano-Tech and Nano-Bionics, CAS, China (<i>MOTA2024-05-005</i>)
11:50	Multi-Dimensional Light-Emitting Meta-Display: Photoluminescence and Pumping Light Multiplexing——Shuai Wan, Wuhan University, China (<i>MOTA2024-05-006</i>)
12:00	Singular dielectric nanolaser with atomic-scale field localization——Yunhao Ouyang, Peking University, China (<i>MOTA2024-05-012</i>)
12:10	Reconfigurable moiré nanolaser arrays with phase synchronization——Hongyi Luan, Peking University, China (<i>MOTA2024-05-013</i>)
S5C: 超材料与纳米光子学 III 主持人：张霜（香港大学）&孙树林（复旦大学） Metamaterials and Nanophotonics III Chair: Shuang Zhang, The University of Hong Kong, China & Shulin Sun, Fudan University, China	
13:30	张霜（香港大学）

	Shuang Zhang , The University of Hong Kong, China (<i>Keynote</i>)
14:00	丁鲲 (复旦大学) ——量子表面响应引起的纳米尺度卡西米尔力软化 Nanoscale Casimir force softening originated from surface response—— Kun Ding , Fudan University, China (<i>Invited</i>)
14:20	Hybrid heating and cooling for sustainability—— Qiaoqiang Gan , King Abdullah University of Science and Technology, Saudi Arabia (<i>Invited</i>)
14:40	赖耘 (南京大学) Transparent Matte Surfaces: New Optical Surfaces that Combine Transparency and Matte Appearance—— Yun Lai , Nanjing University, China (<i>Invited</i>)
15:00	Angle-tolerant polarization tunable expanded plasmonic color palettes—— Xufeng Gao , University of Shanghai for Science and Technology, China (<i>MOTA2024-05-009</i>)
15:10	Observation of oriented Landau levels and helical zero modes in Berry dipole acoustic crystals—— Qingyang Mo , The University of Hong Kong, China (<i>MOTA2024-05-010</i>)
15:20	Topological Flat Bands Enabled by Moiré Geometry in Virtual Space—— Qingnan Cai , Fudan University, China (<i>MOTA2024-05-026</i>)
15:30	Topological Graphene Plasmons and Their Applications in Plasmonically Induced Transparency—— Shengxuan Xia , Hunan University, China (<i>MOTA2024-05-008</i>)
15:40	茶歇 Tea break
S6C: 超材料与纳米光子学 IV 主持人: 何琼 (复旦大学) & 李向平 (暨南大学) Metamaterials and Nanophotonics IV Chair: Qiong He, Fudan University, China & Xiangping Li, Jinan University, China	
15:50	王建方 (香港中文大学) ——利用表面等离激元调控二维激子 Plasmonic Control of 2D Excitons—— Jianfang Wang , The Chinese University of Hong Kong, China (<i>Keynote</i>)
16:20	李向平 (暨南大学) ——超表面偏振场调控及光学斯格明子 Metasurface Polarization Control for Topological Robust Skyrmions—— Xiangping Li , Jinan University, China (<i>Invited</i>)
16:40	李仲阳 (武汉大学) ——基于片上超构表面的多维光信息加密存储与 AR 显示 Zhongyang Li , Wuhan University, China (<i>Invited</i>)
17:00	MEMS-empowered dynamic optical metasurfaces—— Fei Ding , University of Southern Denmark, Denmark (<i>Invited</i>)

17:20	The physics and applications of shifted spatial dispersions in metamaterials—— Tongtong Song , Nanjing University, China (<i>MOTA2024-05-015</i>)
17:30	Exploration of multi-dimensional control methods on metasurfaces—— Qiang Jiang , Beijing Institute of Technology, China (<i>MOTA2024-05-020</i>)
17:40	Design of a Deep Learning-Based Metasurface Color Router for RGB-NIR Sensing—— Hua Mu , National University of Defense Technology, China (<i>MOTA2024-05-002</i>)
17:50	Structured beams with longitudinally vectorial polarizations generated by surface-wave excited composite metasurface—— Xiangyu Jin , Fudan University, China (<i>MOTA2024-05-029</i>)

Topic 6: Micro-nano Manufacturing

Topic 8: Advanced Imaging

Meeting Room 5, 3F

10月19日		Oct. 19
S1D: 微纳光学制造 I		主持人: 徐凯臣 (浙江大学)
Micro-nano Manufacturing I		Chair: Kaichen Xu, Zhejiang University, China
14:00	何俊 (深圳大学) Jun Hu, Shenzhen University, China (<i>Invited</i>)	
14:20	劳召欣 (合肥工业大学) —— 飞秒激光打印诱导毛细力自组装制备功能微结构及其应用 Femtosecond Laser Printing induced Capillary-force Self-assembly——Zhaoxin Lao, Hefei University of Technology, China (<i>Invited</i>)	
14:40	朱彤 (北京理工大学) —— 超快激光与材料相互作用的光子-电子-声子耦合机理 Photon-electron-phonon Coupling Mechanisms During Ultrafast Laser-material Interactions——Tong Zhu, Beijing Institute of Technology, China (<i>Invited</i>)	
15:00	贾日辰 (山东大学) Yuechen Jia, Shandong University, China (<i>Invited</i>)	
15:20	徐凯臣 (浙江大学) —— 激光融合制造及柔性生物/共体电子集成系统应用 Hybrid Laser Manufacturing of Flexible and Conformal Electronics Systems——Kaichen Xu, Zhejiang University, China (<i>Invited</i>)	
15:40	Controllable preparation and applications of 2D/3D micro-/nano structures —— Qiushun Zou, Ningbo University, China (<i>MOTA2024-06-001</i>)	
15:50	茶歇 Tea break	
S2D: 先进成像 I		主持人: 徐世祥 (深圳大学)
Advanced Imaging I		Chair: Shixiang Xu, Shenzhen University, China
16:00	刘城 (中国科学院上海光学精密机械研究所) —— 多模态编码相位成像在超快测量中的研究与应用 Cheng Liu, Shanghai Institute of Optics and Fine Mechanics, CAS, China (<i>Invited</i>)	
16:20	刘伟涛 (国防科技大学) High resolution imaging through unmeasured scattering layer——Weitao Liu, National University of Defense Technology, China (<i>Invited</i>)	
16:40	High-dimensional Differentiable Visual Computing——Seung-Hwan Baek, Pohang University of	

	Science and Technology, Korea <i>(Invited)</i>
17:00	雷诚 (武汉大学) —— 光学时域拉伸成像技术及应用 Optical time-stretch imaging and its applications— Cheng Lei , Wuhan University, China <i>(Invited)</i>
17:20	All-optical mapping photography for observing ultrafast phenomena— Keiichi Nakagawa , University of Tokyo, Japan <i>(Invited)</i>
10月20日	
Oct. 20	
S3D: 先进成像 II 主持人: 刘伟涛 (国防科技大学) Advanced Imaging II Chair: Weitao Liu, National University of Defense Technology, China	
08:30	徐世祥 (深圳大学) —— 基于超快激光泵浦的中红外光参量放大成像技术研究 Mid-infrared imaging based on optical parametric amplification under ultrafast pump— Shixiang Xu , Shenzhen University, China <i>(Invited)</i>
08:50	赵惠 (中国科学院西安光学精密机械研究所) —— 基于 MCP 的光子计数激光三维成像技术 Photon-counting three-dimensional laser imaging based on micro-channel plate with position-sensitive anode— Huizhao , Xi'an Institute of Optics and Precision Mechanics, CAS, China <i>(Invited)</i>
09:10	张斗国 (中国科学技术大学) —— 光场调控与高灵敏无标记光学显微成像 Optical field manipulation and highly-sensitive label-free optical microscopy— Douguo Zhang , University of Science and Technology of China, China <i>(Invited)</i>
09:30	蔡伟伟 (上海交通大学) —— 计算测量学及燃烧诊断技术进展 Weiwei Cai , Shanghai Jiao Tong University, China <i>(Invited)</i>
09:50	Wide-field mid-infrared hyperspectral imaging beyond video rate— Ruiyang Qin , East China Normal University, China <i>(MOTA2024-08-004)</i>
10:00	茶歇 Tea break
S3D: 微纳光学制造 II 主持人: 谭德志 (浙江大学) Micro-nano Manufacturing II Chair: Dezhi Tan, Zhejiang University, China	
10:10	任莹莹 (山东师范大学) —— 飞秒激光诱导铌酸锂表面周期性结构及其在 SERS 领域的应用 Laser-induced periodic surface structures on lithium niobate for SERS analysis— Yingying Ren , Shandong Normal University, China <i>(Invited)</i>
10:30	刘洪亮 (南开大学) —— 铌酸锂晶体表面稳定着色技术研究 Novel approach towards robust construction of physical colors on lithium niobate crystal— Hongliang Liu , Nankai University, China <i>(Invited)</i>

10:50	张舟洋 (杭州玉之泉精密仪器有限公司) —— 基于双光子三维激光直写制备各类纳米级三维器件 Three-dimensional (3D) structures on the nanoscale via Two-photon polymerization —— Zhouyang Zhang, YZQ instruments, China
11:00	Ultra-broadband metamaterial absorption in Cr/SiO ₂ /Ge/Cr based quadrilayer structure from visible to near infrared——Cuiwei Xue, Shanghai Jiao Tong University, China (MOTA2024-06-008)
S5D: 微纳光学制造 III 主持人: 何俊 (深圳大学) Micro-nano Manufacturing III Chair: Jun He, Shenzhen University, China	
13:30	谭德志 (之江实验室) Photonic glass: structure regulation and applications——Dezhi Tan, Zhejiang Lab, China (Invited)
13:50	汪超炜 (中国科学技术大学) —— 基于光场调制的高效飞秒激光双光子聚合加工 Efficient Two Photon 3D Printing Enabled by Holographic——Chaowei Wang, University of Science and Technology of China, China (Invited)
14:10	冀然 (青岛天仁微纳科技有限责任公司) —— 纳米压印光刻 Nanoimprint Total Solution for AR waveguide mass production——Ran Ji, Qingdao GermanLitho Co., Ltd., China (Invited)
14:30	刘全 (苏州大学) —— 衍射光栅和棱栅制造技术 Quan Liu, Soochow University, China (Invited)
14:40	茶歇 Tea break
S6D: 先进成像 III 主持人: 蔡伟伟 (上海交通大学) Advanced Imaging III Chair: Weiwei Cai, Shanghai Jiao Tong University, China	
14:50	刘飞 (西安电子科技大学) Analysis of Polarization Properties in Scattered Light Fields——Fei Liu, Xidian University, China (Invited)
15:10	林诗杰 (香港大学) —— 类脑智能在极端光照下的机器视觉应用 Shijie Lin, The University of Hong Kong, China (Invited)
15:30	Two-Photon Polymerization 3D Printing of Full-color Imaging Microlens —— Longhui Huang, Shenzhen University, China (MOTA2024-08-001)
15:40	Study on OAM-basis underwater single-pixel imaging —— Jing Hu, Huaqiao University, China (MOTA2024-08-002)

Topic 7: Micro-nano Sensors
Topic 10: Flexible Devices

Meeting Room 6, 3F

10月19日		Oct. 19
S1E: 微纳生物光传感技术 主持人: 郭团 (暨南大学)		
Micro nano bio light sensing technology Chair: Guo Tuan, Jinan University, China		
14:00	孙琪真 (华中科技大学) ——全光纤仿生神经丘及水下探测技术 Fish-inspired 3D-printed optical fiber neuromast for underwater detection —— Qizhen Sun , Huazhong University of Science and Technology, China <i>(Invited)</i>	
14:20	杨天 (上海交通大学) ——SPP-MIM 杂化超材料和光纤端生物传感 SPP-MIM Hybridization Metamaterial and Fiber-Tip Biosensing —— Tian Yang , Shanghai Jiao Tong University, China <i>(Invited)</i>	
14:40	王光辉 (南京大学) ——微流芯片光纤生物传感器 Microfluidic chip fiber optic biosensor —— Guanghui Wang, Nanjing University, China <i>(Invited)</i>	
15:00	辛洪宝 (暨南大学) ——基于光学操控技术的精准生物光学探测与调控 Precision bio-detection and modulation based on optical manipulations —— Hongbao Xin, Jinan University, China <i>(Invited)</i>	
15:20	Nanomaterial assisted surface plasmon resonance biosensor for optical sensing —— Yu Huang, Chongqing Institute of Green and Intelligent Technology, CAS, China <i>(MOTA2024-07-001)</i>	
15:30	Automated Multi-modal Lasing-emission Imaging-based Sensing towards Cancer Diagnosis —— Yuexuan Jiao, Fudan University, China <i>(MOTA2024-07-005)</i>	
15:40	茶歇 Tea break	
S2E: 柔性可穿戴器件 I 主持人: 林媛 (电子科技大学)		
Flexible Devices I Chair: Lin Yuan, University of Electronic Science and Technology of China, China		
15:50	于欣格 (香港城市大学) Intelligent soft electronics for healthcare monitoring and VR —— Xinge Yu, City University of Hong Kong, China <i>(Keynote)</i>	
16:20	徐青松 (澳门大学) ——面向精密生物医学应用的柔性机器人 Development of Flexible Robots for Precision Biomedical Applications —— Qingsong XU, University of Macau, China <i>(Invited)</i>	
16:40	潘泰松, 电子科技大学 ——面向可延展柔性传感器件的结构工程研究 Advanced Structural Engineering of Stretchable Sensors —— Taisong Pan, University of Electronic	

	Science and Technology of China, China <i>(Invited)</i>
17:00	巫远招, 中国科学院宁波材料技术与工程研究所——基于 GMI 效应的柔性磁敏式应力/应变传感器 Flexible Magnetic Pressure/Strain Sensors Based on GMI Effect —— Yuanzhao Wu, Ningbo Institute of Materials Technology and Engineering (NIMTE), CAS, China <i>(Invited)</i>
17:20	Bladder volume sensor based on triboelectric nanogenerator——Xiaoqing Huo, Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences <i>(MOTA2024-10-002)</i>
10月20日	
Oct. 20	
S3E: 柔性可穿戴器件 II 主持人: 郭小军 (上海交通大学) Flexible Devices II Chair: Xiaojun Guo, Shanghai Jiao Tong University, China	
08:30	张珽 (中国科学院苏州纳米技术与纳米仿生研究所) ——智能柔性感知器件与应用 Smart Flexible Sensing Electronics and Applications —— Ting Zhang, Suzhou Institute of Nano-Tech and Nano-Bionics, CAS, China <i>(Keynote)</i>
09:00	张世明 (香港大学) ——软体微电子 Soft Microelectronics——Shiming Zhang, The University of Hong Kong, China <i>(Invited)</i>
09:20	张晓升 (电子科技大学) Xiaosheng Zhang, University of Electronic Science and Technology of China, China <i>(Invited)</i>
09:40	茶歇 Tea break
S4E: 微纳光传感新应用与制备方法 主持人: 任伟 (香港中文大学) New Applications and Preparation Methods of Micro nano Optical Sensing Chair: Wei Ren, The Chinese University of Hong Kong, China	
09:50	刘甫 (西北工业大学) ——锂硫电池电解质动力学过程光纤原位检测研究 Detangling electrolyte chemical dynamics in lithium-sulfur batteries by operando monitoring with optical fiber sensors——Fu Liu, Northwestern Polytechnical University, China <i>(Invited)</i>
10:10	孙允陆 (复旦大学) ——多物理场耦合激光微纳加工及仿生光子学应用 Multi-physical Laser Micro/nano-fabrication and Applications on Biomimetic Photonics——Yunlu Sun, Fudan University, China <i>(Invited)</i>
10:30	王若晖 (西北大学) ——飞秒激光刻写特种 FBG 及其传感应用 Special Fiber Bragg Gratings Written by Femtosecond Laser and their Sensing Applications—— Ruohui Wang, Northwest University, China <i>(Invited)</i>
10:50	乔桢 (上海理工大学) Zhen Qiao, Shanghai University of Technology, China <i>(Invited)</i>

11:00	High Quality-Factor Metacavity for Intracavity Biosensing——Yuqiao Zheng, Westlake University, China (MOTA2024-07-004)
11:10	Atomic layer deposition assisted fabrication/modification of metal nanogaps for surface enhanced Raman scattering —— Yanqiang Cao, Nanjing University of Science and Technology, China (MOTA2024-07-006)
S5E: 微纳光传感新原理与新结构 主持人: 孙琪真 (华中科技大学) New principles and structures of micro nano optical sensing Chair: Qizhen Sun , Huazhong University of Science and Technology, China	
13:30	任伟 (香港中文大学) —— 基于微结构光纤的高灵敏气体探测 Sensitive gas detection enhanced by microstructured optical fibers —— Wei Ren, The Chinese University of Hong Kong, China (Invited)
13:50	谷付星 (上海理工大学) —— 光热冲镊与纳米机器人: 实现原位与动态微纳传感 Photothermal-shock tweezers and nanorobots: Realizing in-situ and dynamic micro-nano sensing —— Fuxing Gu, University of Shanghai for Science and Technology, China (Invited)
14:10	张小贝 (上海大学) —— 空芯光纤传感器 Hollow core fiber based sensors —— Xiaobei Zhang, Shanghai University, China (Invited)
14:30	陈耀飞 (暨南大学) —— 基于纳米金刚石介质和量子特性的光纤生物传感器 Optical fiber biosensors based on the dielectric and quantum properties of nanodiamonds —— Yaofei Chen, Jinan University, China (Invited)
14:50	3-D printed fiber-tip micro-ring resonators for ultrasound sensing —— Baiqing Nan, Guangdong and HongKong joint research centre for optic fiber sensors, Shenzhen University, China (MOTA2024-07-002)
15:00	茶歇 Tea break
S6E: 柔性可穿戴器件 III 主持人: 张珽 (中国科学院苏州纳米技术与纳米仿生研究所) Flexible Devices III Chair: Ting Zhang, Suzhou Institute of Nano-Tech and Nano-Bionics, CAS, China	
15:10	郑子剑 (香港理工大学) Liquid Metal Patterned, Stretchable and Permeable Electronics —— Zijian Zheng, The Hong Kong Polytechnic University, China (Keynote)
15:40	郭小军 (上海交通大学) —— 薄膜晶体管柔性有源传感器件与集成 Thin film transistor flexible active sensing devices and integration —— Xiaojun Guo, Shanghai Jiao Tong University, China (Invited)
16:00	杨华礼 (中国科学院宁波材料技术与工程研究所) —— 用于触觉感知的柔性磁传感器研究 Flexible magnetic sensors for tactile perception —— Huali Yang, Ningbo Institute of Materials Technology and Engineering, CAS, China (Invited)

Topic 9: Advanced Display
Topic 12: Energy Optoelectronics

Meeting Room 7, 3F

10月19日		Oct. 19
S1F: 先进显示材料与制备 主持人: 田朋飞 (复旦大学) Advanced Display Materials and Preparation Chair: Pengfei Tian, Fudan University, China		
14:00	刘建平 (中科院苏州纳米所) GaN-based visible LDs for display applications—— Jianping Liu , Suzhou Institute of Nano-Tech and Nano-Bionics, CAS, China <i>(Invited)</i>	
14:20	梅时良 (复旦大学) ——量子点显示材料的可控制备及其发光器件 Controllable Preparation of Quantum Dots and Light-Emitting Devices Application for Display—— Shiliang Mei , Fudan University, China <i>(Invited)</i>	
14:40	刘志强 (中科院半导体所) Zhiqiang Liu , Institute of Semiconductors, CAS, China <i>(Invited)</i>	
15:00	Synergistic passivation of high stability CsPb(Br/I) ₃ perovskite quantum dots with double ligands for WLEDs—— Qi Chen , Shanghai University, China <i>(MOTA2024-09-002)</i>	
15:10	茶歇 Tea break	
S2F: 能源光电子 I 主持人: 刘正新 (中科院上海微系统与信息技术研究所) & 李晓东 (华东师范大学) Energy Optoelectronics I Chair: Zhengxin Liu, Shanghai Institute of Microsystems and Information Technology, CAS, China & Xiaodong Li, East China Normal University, China		
15:20	沈文忠 (上海交通大学) ——微纳硅基薄膜应用推动太阳能光伏技术发展 Micro nano silicon-based thin film applications promote the development of solar photovoltaic technology—— Wenzhong Shen , Shanghai Jiao Tong University, China <i>(Invited)</i>	
15:40	袁晓 (华东理工大学) ——基于纳米压印的微纳加工技术在 HBC 太阳能电池中的应用 Application of micro-nano processing technology based on nanoimprint in HBC solar cells—— Xiao Yuan , Yangtze Institute for Solar Technology, Shanghai Nanotechnology Promotion Center, China <i>(Invited)</i>	
16:00	唐建新 (苏州大学) ——基于微纳结构光热调控的柔性有机太阳能电池 Flexible organic solar cells based on micro nano structure photothermal control—— Jianxin Tang , Soochow University, China <i>(Invited)</i>	

16:20	秦川江 (中科院长春应化所) Chuanjiang Qin, Changchun Institute of Applied Chemistry, CAS, China <i>(Invited)</i>
16:40	叶继春 (中科院宁波材料所) Jichun Ye, Ningbo Institute of Materials Science, CAS, China <i>(Invited)</i>
17:00	赵德威 (四川大学) ——全钙钛矿叠层太阳能电池 All-Perovskite Tandem Solar Cell——Dewei Zhao, Sichuan University, China <i>(Invited)</i>
17:20	Efficient and stable perovskite solar cells and modules——Zonghao Liu, Huazhong University of Science and Technology, China <i>(MOTA2024-12-004)</i>
17:30	Composition and interface regulation of tin-lead perovskite solar cells——Wenxiao Zhang, East China Normal University, China <i>(MOTA2024-12-002)</i>
17:40	Oxidation suppression of tin halide perovskites——Haitao Lang, ShanghaiTech University, School of Physical Science and Technology, China <i>(MOTA2024-12-001)</i>
17:50	Interface regulations for high-performance all-Perovskite tandem solar cells —— Sheng Fu, University of Toledo, USA <i>(MOTA2024-12-009)</i>
10月20日	
Oct. 20	
S3F 先进显示器件及原理 主持人: 李强 (西安交通大学)	
Advanced Display Devices and Theory Chair: Qiang Li, Xi'an Jiaotong University, China	
08:30	赵谔玲 (北京交通大学) ——高性能无载流子注入发光器件的发射特性和机理 Emission Characteristics and Mechanisms of High-Performance Non-Carrier-Injection Light Emitting Devices ——Suling Zhao, Beijing Jiaotong University, China <i>(Invited)</i>
08:50	卢卫芳 (厦门大学) ——InGaN/GaN 纳米结构选区外延及其 Micro-LED 器件制备研究 Selective Area Epitaxy of Coaxial InGaN/GaN Nanostructures and its Application in Micro-LED Devices——Weifang Lu, Xiamen University, China <i>(Invited)</i>
09:10	吴朝兴 (福州大学) ——面向微纳发光与显示的非接触电致发光技术 Non-contact electroluminescence technology for micro/nano luminescence and display ——Chaoxing Wu, Fuzhou University/ Mindu Innovation Laboratory, China <i>(Invited)</i>
09:30	李强 (西安交通大学) ——三维 ITO 纳米线作为柔性显示器件中的导电电极研究 3D ITO-nanowire networks as transparent electrode for flexible display ——Qiang Li, Xi'an Jiaotong University, China <i>(Invited)</i>
09:50	The impacts of sidewall light emission on the performances of Micro-LED displays employing InGaN-based Micro-LEDs——Weijie Guo, Xiamen University, China <i>(MOTA2024-09-001)</i>
10:00	茶歇 Tea break

S4F: 能源光电子 II 主持人: 方俊锋 (华东师范大学) & 游经碧 (中科院半导体所)	
Energy Optoelectronics II Chair: Junfeng Fang, East China Normal University, China & Jingbi You, Institute of Semiconductors, CAS, China	
10:10	游经碧 (中科院半导体所) —— 钙钛矿太阳能电池的载流子输运调控和缺陷钝化 Efficient perovskite solar cells via charge carrier transport modulation and defects passivation—— Jingbi You, Institute of Semiconductors, Chinese Academy of Sciences, China (<i>Invited</i>)
10:30	沈亮 (吉林大学) —— 新一代光电/辐射探测材料、器件及其应用探索 Exploration of New Generation of Photoelectric/Radiation Detection Materials, Devices and Their Applications—— Liang Shen, Jilin University, China (<i>Invited</i>)
10:50	肖旭东 (武汉大学) Xudong Xiao, Wuhan University, China (<i>Invited</i>)
11:10	Light-induced degradation and recovery in silicon heterojunction solar cell—— Weiyuan Duan, Forschungszentrum Jülich, Germany (<i>Invited</i>)
11:30	Fabrication of electron transport layers for tin-based perovskite solar cells—— Jia Liang, Fudan University, China (<i>IMOTA2024-12-007</i>)
11:40	Stabilizing the Perovskite Optoelectronic Materials and Devices—— Yanbo Wang, Shanghai Jiao Tong University, China (<i>MOTA2024-12-005</i>)
11:50	Defect Activity and Photoinstability in Metal Halide Perovskite —— Yang Zhou, Huazhong University of Science and Technology, China (<i>MOTA2024-12-008</i>)
S5F: 能源光电子 III 主持人: 宁志军 (上海科技大学) & 张丽平 (中科院上海微系统与信息技术研究所)	
Energy Optoelectronics III Chair: Zhijun Ning, ShanghaiTech University, China / Liping Zhang, Shanghai Institute of Microsystems and Information Technology, CAS, China	
13:30	宁志军 (上海科技大学) —— 卤素钙钛矿薄膜的生长动力学调控与电学掺杂 Regulation the growth kinetics and electrical doping of halogen perovskite thin films—— Zhijun Ning, ShanghaiTech University, China (<i>Invited</i>)
13:50	陈永华 (南京工业大学) —— 离子液体介导的钙钛矿光伏电池 Proton ionic liquid for Perovskite Solar Cells—— Yonghua Chen, Nanjing Tech University, China (<i>Invited</i>)
14:10	Simulation and experiments of all-perovskite tandem solar cells —— Changlei Wang, Soochow University, China (<i>MOTA2024-12-006</i>)
14:20	Heavy Boron doped silicon underdense inter-layer enables efficient silicon heterojunction solar cells—— Yinuo Zhou, Shanghai Institute of Microsystem and Information Technology, CAS, China (<i>MOTA2024-12-003</i>)

14:30	Enhancement of short-circuit current density in silicon heterojunction solar cells by hydrogenated multiple-doped In ₂ O ₃ thin films — — Shuyi Chen , Shanghai Institute of Microsystem and Information Technology, CAS, China (<i>MOTA2024-12-010</i>)
14:40	茶歇 Tea break
S6F: 先进显示集成与应用 主持人: 吴朝兴 (福州大学) Advanced Display Integration and Application Chair Chaoxing Wu, Fuzhou University/ Mindu Innovation Laboratory, China	
14:50	田鹏飞 (复旦大学) —— 高速 GaN 基 micro-LED 发光和探测器件进展 Progresses in High-Speed GaN-Based Micro-LEDs and Photodetectors—— Pengfei Tian , Fudan University, China (<i>Invited</i>)
15:10	殷录桥 (上海大学) —— 基于高密度凸点技术的 Micro-LED 键合工艺研究 Research on Bonding Process of Micro-LED Display based on High-density Bump technology—— Luqiao Yin , Shanghai University, China (<i>Invited</i>)
15:30	庄喆 (南京大学) —— 氮化镓基柔性 Micro-LED 器件及其有源驱动显示阵列 GaN-based flexible micro-LEDs and their active-matrix displays — — Zhe Zhuang , Nanjing University, China (<i>Invited</i>)
15:50	Graphic Display and Recognition Based on Electroluminescent Devices—— Wandi Chen , Beijing Institute of Nanoenergy and Nanosystems, CAS / Fuzhou University, China (<i>MOTA2024-09-004</i>)

PhotoniX Forum 2024

Shanghai Hall, 3F

10月19日		Oct. 19
S1F: 光学传感与测量 主持人: 刘东 (浙江大学) Optical sensing and measurement Chair: Dong Liu, Zhejiang University, China		
13:30	The Effects of Spatial Coherence on Lenses and Polarizers and Vice Versa——Taco Dirk Visser, Shandong Normal University, China(<i>Keynote</i>)	
14:00	周林杰(上海交通大学)——面向激光雷达的硅基混合集成调频连续波 (FMCW) 光源 Silicon-based Hybrid Integrated Frequency Modulated Continuous Wave (FMCW) Light Source for LiDAR Applications——Linjie Zhou, Shanghai Jiao Tong University, China(<i>Invited</i>)	
14:20	周仁杰 (香港中文大学) ——干涉定量相位显微技术及其纳米计量应用 Interferometric Quantitative Phase Microscopy for Nanometrology Applications——Renjie Zhou, The Chinese University of Hong Kong, China (<i>Invited</i>)	
14:40	孙佳伟 (上海人工智能实验室) ——智能无透镜光纤内窥成像 Learning-based lensless fiber endomicroscopic imaging —— Jiawei Sun, Shanghai Artificial Intelligence Laborator, China (<i>Invited</i>)	
16:00	PhotoniX 期刊工作会 PhotoniX Editorial Board	
10月20日		Oct. 20
S2F 太赫兹与光电器件 主持人: 朱亦鸣 (上海理工大学) Terahertz and optoelectronic devices Chair: Yiming Zhu, University of Shanghai for Science and Technology, China		
08:30	狄大卫 (浙江大学) ——高效、超稳定的钙钛矿发光二极管 Efficient and ultra-stable perovskite light-emitting diodes —— Dawei Di, Zhejiang University, China (<i>Invited</i>)	
08:50	沈田子 (北京航空航天大学) ——基于新型二维纳米液晶的光电显示器件 2D Materials-Based Lyotropic Liquid Crystals in Optical Devices —— Tianzi Shen, Beihang University, China (<i>Invited</i>)	
09:10	陈舒 (上海理工大学) THz s-SNOM nanoimaging ultra-confined in-plane anisotropic THz polaritons in real space—— Shu Chen, University of Shanghai for Science and Technology, China (<i>Invited</i>)	
09:30	张亮亮 (首都师范大学) ——激光激发等离子体产生太赫兹波的研究	

	Intense Terahertz Wave Generation from Laser-induced Air Plasma——Liangliang Zhang, Capital Normal University, China <i>(Invited)</i>
09:50	茶歇 Tea break
S3F: 拓扑光学与光计算 主持人: 左超 (南京理工大学) Topological optics and optical computation Chair: Chao Zuo, Nanjing University of Science and Technology, China	
10:00	赖溥祥 (香港理工大学) Engineering random speckles for optical computation and cryptography—— Puxiang Lai, The Hong Kong Polytechnic University, Hong Kong SAR, China <i>(Invited)</i>
10:20	阮智超 (浙江大学) ——时空光学微分器及其应用 patiotemporal optical differentiator and its applications——Zhichao Ruan, Zhejiang University, China <i>(Invited)</i>
10:40	袁璐琦 (上海交通大学) ——在合成频率维度中探索新奇拓扑物态 Explore new topological states with synthetic frequency dimension——Luqi Yuan Shanghai Jiao Tong University, China <i>(Invited)</i>
11:00	李涛 (南京大学) ——集成光子芯片上的加速拓扑泵浦 Accelerating topological pumps on integrated photonic chip —— Tao Li, Nanjing University, China <i>(Invited)</i>
S4F: 显微成像及非线性光学 主持人: 张紫阳 (西湖大学) Microscopic imaging and nonlinear optics Chair: Ziyang Zhang, Westlake University, China	
13:30	雷铭 (西安交通大学) ——快速结构光照明显微技术研究 High speed structured illumination microscopy——Ming Lei, Jiaotong University, China <i>(Invited)</i>
13:50	彭俊松 (华东师范大学) ——呼吸子超快激光非线性动力学及智能控制 Nonlinear dynamics of breather lasers and and their intelligent control ——Junsong Peng, East China Normal University, China <i>(Invited)</i>
14:10	鲍成英 (清华大学) ——基于微腔光孤子的双光梳测量技术 Microresonator soliton based dual-comb measurements —— Chengying Bao, Tsinghua University, China <i>(Invited)</i>
14:30	马冬晗 (大连理工大学) ——多色单分子定位超分辨显微成像技术 Multicolor Single Molecule Localization Microscopy —— Donghan Ma, Dalian University of Technology, China <i>(Invited)</i>
14:50	吴腾飞 (中国科学院西安光学精密机械研究所) ——基于全息散射片的波前传感方法

	Wavefront sensing with a holographic diffuser —— Tengfei Wu , Xi'an Institute of Optics and Precision Mechanics, CAS, China <i>(Invited)</i>
15:10	茶歇 Tea break
S5F: 微纳光学及应用 主持人: 林宏焘 (浙江大学)	
Micro-nano optics and its application Chair: Hongtao Lin, Zhejiang University, China	
15:20	陈云天 (华中科技大学) ——从混沌中寻找纯净和功率 Searching Purity and power from chaos: Emergent Light Transport in Nonlinear Waveguide Lattice and Amplified Light Beam Cooling —— Yuntian Chen , Huazhong University of Science and Technology, China <i>(Invited)</i>
15:40	熊波 (浙江大学) ——多维波长、偏振复用超构表面的逆向设计 Inverse Design for wavelength/polarization multiplexed metasurfaces —— Bo Xiong , Zhejiang University, China <i>(Invited)</i>
16:00	Heterogeneous crown ether/silicon photonic platform for safeguarding against lead toxicification in society —— Jia Xu Brian Sia , Nanyang Technological University, Singapore <i>(Invited)</i>