

Plenary Sessions

2026.1.27				
Time	Speaker	Affiliation	Title	Type
9:00-9:15	Opening Ceremony Meeting Room 1			
Chair: Kuijuan Jin 金奎娟 Institute of Physics, CAS 中国科学院物理研究所				
9:15-9:45	Jianwei Wang 王剑威	Peking University 北京大学	Integration and Scaling of Quantum Photonic Circuits	Plenary talk
9:45-10:15	Wentao Wang 王文涛	Shanghai Institute of Optics and Fine Mechanics, CAS 中国科学院上海光学精密机械研究所	Laser driven electron accelerators and radiation sources at SIOM	Plenary talk
10:15-10:30	Coffee Break			
Chair: Andrius Baltuška Vienna University of Technology 维也纳技术大学				
10:30-11:00	Yu-Ao Chen 陈宇翱	University of Science and Technology of China 中国科学技术大学	Quantum Manipulation of ultra-cold atoms	Plenary talk
11:00-11:30	Peng Zhou 周鹏	Fudan University 复旦大学	Electronic Devices and System Integration in the Post-Moore Era	Plenary talk
11:30-12:00	Lingjie Du 杜灵杰	Nanjing University 南京大学	Observation of emergent gravitons with chirality in quantum liquids	Plenary talk
12:00-13:30	Lunch			

2026.1.27

Plenary Talks (Ultrafast Science) Meeting Room 1

Chair: Guoxuan Dong 董国轩
Beijing Normal University 北京师范大学

Time	Speaker	Affiliation	Title	Type
13:30-13:50	Yutong Li 李玉同	Institute of Physics, CAS 中国科学院物理研究所	Generation and applications of strong terahertz radiation driven by high-intensity laser pulses	Plenary talk
13:50-14:10	Zhengming Sheng 盛政明	Shanghai Jiao Tong University 上海交通大学	High-field terahertz pulses with tunable spectra and structures from relativistic laser plasma	Plenary talk
14:10-14:30	Zengxiu Zhao 赵增秀	National University of Defense Technology 国防科技大学	Quantum coherence and emission of ions in strong laser fields	Plenary talk
14:30-14:50	Huailiang Xu 徐淮良	Xidian University / Jilin University 西安电子科技大学 / 吉林大学	Laser ignition of fuels by femtosecond pulses	Plenary talk
14:50-15:10	Zhiyi Wei 魏志义	Institute of Physics, CAS 中国科学院物理研究所	HHG toward soft X-ray attosecond pulse and XUV frequency comb	Plenary talk
15:10-15:30	Yongkang Dong 董永康	Harbin Institute of Technology 哈尔滨工业大学	High-performance distributed optical fiber sensor	Plenary talk
15:30-15:50	Coffee Break			
Chair: Liantuan Xiao 肖连团 Taiyuan University of Technology 太原理工大学 Jianlin Zhao 赵建林 Northwestern Polytechnical University 西北工业大学				
15:50-16:10	Andrius Baltuška	Vienna University of Technology 维也纳技术大学	Field-shaped THz pulses for high-resolution absorption spectroscopy	Plenary talk
16:10-16:30	Jian Wu 吴健	East China Normal University 华东师范大学	Light-induced ultrafast dynamics of cold molecules	Plenary talk
16:30-16:50	Shih-Chi Chen 陈世祈	The Chinese University of Hong Kong 香港中文大学	Closed-loop two-photon lithography based on a single-cavity dual-comb laser	Plenary talk
16:50-17:10	Lilin Yi 义理林	Shanghai Jiao Tong University 上海交通大学	Intelligent single-shot full-field characterization over femtosecond pulses	Plenary talk
17:10-17:30	Peng Peng 彭鹏	ShanghaiTech University 上海科技大学	Line Shape Relations in Ultrafast Transient Absorption from a Coherent Superposition	Plenary talk
17:30-17:50	Meng Pang 庞盟	Shanghai Institute of Optics and Fine Mechanics, CAS 中国科学院上海光学精密机械研究所	GHz-rate optoacoustic mode-locking of soliton fiber lasers: from highly-complex soliton structures to well-controlled pulse dynamics	Plenary talk
18:00	Dinner			

2026.1.28

Plenary Talks (Ultrafast Science) Meeting Room 1

Chair: Yunquan Liu 刘运全
Peking University 北京大学
Jing Chen 陈京
University of Science and Technology of China 中国科学技术大学

Time	Speaker	Affiliation	Title	Type
9:00-9:20	Xiaojun Liu 柳晓军	Innovation Academy for Precision Measurement Science and Technology, CAS 中国科学院精密测量科学与技术创新研究院	Extreme Ultraviolet Frequency Comb and Its Applications	Plenary talk
9:20-9:40	Karoly Osvay	ELI-ERIC	The Extreme Light Infrastructure - the ultrafast sources of radiations and particles	Plenary talk
9:40-10:00	Fei Xu 徐飞	Nanjing University 南京大学	Multi-Functional Integrated Fiber Devices: Fabrication and Applications	Plenary talk
10:00-10:20	Junsong Peng 彭俊松	East China Normal University 华东师范大学	Nonlinear dynamics of mode-locked breathing soliton lasers and their intelligent control	Plenary talk
10:20-10:40	Coffee Break			
Chair: Shangqing Gong 龚尚庆 East China University of Science and Technology 华东理工大学 Yufang Liu 刘玉芳 Henan Normal University 河南师范大学				
10:40-11:00	Xueming Liu 刘雪明	Southeast University 东南大学	Dynamic of ultrafast lasers and Intelligent control	Plenary talk
11:00-11:20	Jing Chen 陈京	University of Science and Technology of China 中国科学技术大学	Intensity-dependent Interferences in Strong-Field Rydberg-State Excitation	Plenary talk
11:20-11:40	Sizuo Luo 罗嗣佐	Jilin University 吉林大学	Probing atomic ionization dynamics by ultrafast photoelectron interferometry	Plenary talk
11:40-12:00	Konstantin Dorfman	Hainan University 海南大学	Ultrafast spectroscopy with quantum light	Plenary talk
12:00-13:30	Lunch			

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Plenary Talks (Ultrafast Science) Meeting Room 3

Chair: Jie He 何杰
National Natural Science Foundation of China 国家自然科学基金委员会
Chao Chang 常超
Peking University 北京大学

10:40-11:00	Pu Wang 王璞	Beijing University of Technology 北京工业大学	Hollow-Core Anti-Resonant Fiber: from high-Power Laser Delivery to Mid-Infrared Laser Generation	Plenary talk
11:00-11:20	Kaiyou Wang 王开友	Institute of Semiconductors, CAS 中国科学院半导体研究所	Ultrafast light-spin interaction in 2D magnetic semiconductor metasurface and heterostructure	Plenary talk
11:20-11:40	Ming Yan 闫明	East China Normal University 华东师范大学	Broadband optical comb spectroscopy and imaging	Plenary talk
11:40-12:00	Ye Tian 田野	Shanghai Institute of Optics and Fine Mechanics, CAS 中国科学院上海光学精密机械研究所	Optical-Phase-Driven Electron Dynamics with Intense Terahertz Waveforms	Plenary talk
12:00-13:30	Lunch			

2026.1.27

Plenary Talks (Quantum Sensing) Meeting Room 2

Chair: Zhongwei Fan 樊仲维
University of Chinese Academy of Sciences 中国科学院大学
Hong Guo 郭弘
Peking University 北京大学

Time	Speaker	Affiliation	Title	Type
13:30-13:50	Wei Lu 陆卫	Shanghai Institute of Technical Physics, CAS 中国科学院上海技术物理研究所	Quantum Engineering of Non-Equilibrium Electron States in Infrared Photodetectors	Plenary talk
13:50-14:10	Chaoyang Lu 陆朝阳	University of Science and Technology of China 中国科学技术大学	Quantum computing with photons and atoms	Plenary talk
14:10-14:30	Yunfeng Xiao 肖云峰	Peking University 北京大学	Ultrahigh-Q microcavity optics and photonics	Plenary talk
14:30-14:50	Juan Yin 印娟	University of Science and Technology of China 中国科学技术大学	Research on Long-distance Quantum Interference and Its Applications	Plenary talk
14:50-15:10	Kelin Gao 高克林	Innovation Academy for Precision Measurement Science and Technology, CAS 中国科学院精密测量科学与技术创新研究院	Progress on $^{40}\text{Ca}^+$ optical clock	Plenary talk
15:10-15:30	Guilu Long 龙桂鲁	Tsinghua University 清华大学	Protecting Commanders from Precision Targeted Strikes via Quantum Secure Direct Communication	Plenary talk
15:30-15:50	Coffee Break			
Chair: Shougang Zhang 张首刚 National Time Service Center CAS 中国科学院国家授时中心 Yunfeng Xiao 肖云峰 Peking University 北京大学				
15:50-16:10	Hong Guo 郭弘	Peking University 北京大学	Quantum Sensing and Perception	Plenary talk
16:10-16:30	Lijian Zhang 张利剑	Nanjing University 南京大学	Towards quantum-enhanced sensing with multi-parameter estimation	Plenary talk
16:30-16:50	Qihua Xiong 熊启华	Tsinghua University 清华大学	Manipulating Exciton Polariton Condensates and Their Ultrafast Dynamics	Plenary talk
16:50-17:10	Baosen Shi 史保森	University of Science and Technology of China 中国科学技术大学	Mid-infrared Signal Detection Based on a Spectrum Transducer	Plenary talk
17:10-17:30	Xiulai Xu 许秀来	Peking University 北京大学	Strong coupling with excitons and plasmonic nanocavities	Plenary talk
17:30-17:50	Haibin Wu 武海斌	East China Normal University 华东师范大学	Exploring Ultracold Fermions in a Cavity	Plenary talk
18:00	Dinner			

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Plenary Talks (Quantum Sensing) Meeting Room 2

Chair: Qing Pan 潘庆
National Natural Science Foundation of China 国家自然科学基金委员会

Time	Speaker	Affiliation	Title	Type
9:00-9:20	Tao Li 李涛	Nanjing University 南京大学	Anomalous topological phenomena in topological waveguides array	Plenary talk
9:20-9:40	Feihu Xu 徐飞虎	University of Science and Technology of China 中国科学技术大学	Quantum Imaging Science and Technology	Plenary talk
9:40-10:00	Jun Zhang 张俊	Institute of Semiconductors, CAS 中国科学院半导体研究所	Optical properties of color centers in diamonds	Plenary talk
10:00-10:20	Qiongyi He 何琼毅	Peking University 北京大学	Non-Gaussian and high-dimension entanglement test and application in quantum metrology	Plenary talk
10:20-10:40	Coffee Break			
Chair: Zhiliang Yuan 袁之良 Beijing Academy of Quantum Information Sciences 北京量子信息科学研究院 Tao Li 李涛 Nanjing University 南京大学				
10:40-11:00	Yaohui Zheng 郑耀辉	Shanxi University 山西大学	Generation and Application of Squeezed Laser Sources	Plenary talk
11:00-11:20	Jietai Jing 荆杰泰	East China Normal University 华东师范大学	Generation, Detection and Application of Quantum Light Sources Based on Atomic Ensembles	Plenary talk
11:20-11:40	Linjie Zhang 张临杰	Shanxi University 山西大学	Sagnac-Enhanced Rydberg Superheterodyne Receiver based on velocity-selective atoms	Plenary talk
12:00-13:30	Lunch			

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Plenary Talks (Infrared/THz/Bio Photonics) Meeting Room 3

Chair: Xiangjun Xin 忻向军
Beijing Institute of Technology 北京理工大学
Zhichuan Niu 牛智川
Institute of Semiconductors, CAS 中国科学院半导体研究所

Time	Speaker	Affiliation	Title	Type
13:30-13:50	Qiang Zhao 赵强	Nanjing University of Posts and Telecommunications / Nanjing University of Information Science & Technology 南京邮电大学 / 南京信息工程大学	Flexible Intelligent Sensing Materials, Devices and Systems	Plenary talk
13:50-14:10	Xiaoping Zheng 郑小平	Tsinghua University 清华大学	Real-Time Integrated Terahertz Spectral Microscopy and Super-Resolution Imaging for Online Detection and Inversion of Trace Hazardous Targets	Plenary talk
14:10-14:30	Weida Hu 胡伟达	Shanghai Institute of Technical Physics, CAS 中国科学院上海技术物理研究所	Next-Generation Neuromorphic Infrared Photodetectors	Plenary talk
14:30-14:50	Jianlu Wang 王建禄	Fudan University 复旦大学	Research progress on novel photodetector chips	Plenary talk
14:50-15:10	Jian Chen 陈健	Nanjing University 南京大学	Superconducting quantum capacitance detectors with increased saturation power at 1.6 THz	Plenary talk
15:10-15:30	Tian Jiang 江天	National University of Defense Technology 国防科技大学	Optical Frequency Comb Links and Electromagnetic Sensing Applications	Plenary talk
15:30-15:50	Coffee Break			
Chair: Wei Ren 任伟 The Chinese University of Hong Kong 香港中文大学 Jian Chen 陈健 Nanjing University 南京大学				
15:50-16:10	Junle Qu 屈军乐	Shenzhen University 深圳大学	Advancing Point Scanning Super-Resolution: From STED Optimization to Depletion-Free FSTM & FIRED	Plenary talk
16:10-16:30	Yaxin Zhang 张雅鑫	University of Electronic Science and Technology of China 电子科技大学	Terahertz ISAC Technology Based on Reconfigurable Intelligent Surfaces	Plenary talk
16:30-16:50	Hua Li 黎华	Shanghai Institute of Microsystem and Information Technology, CAS 中国科学院上海微系统与信息技术研究所	Terahertz chaos generation in quantum cascade lasers	Plenary talk
16:50-17:10	Hui Yan 颜辉	South China Normal University 华南师范大学	Terahertz imaging based on Rydberg atoms	Plenary talk
17:10-17:30	Kai Zhang 张凯	Suzhou Institute of Nano-Tech and Nano-Bionics, CAS 中国科学院苏州纳米技术与纳米仿生研究所	Narrow-gap 2D Semiconductors for Infrared and Terahertz Optoelectronics	Plenary talk
17:30-17:50	Dong Sun 孙栋	Peking University / Zhengzhou University 北京大学 / 郑州大学	Direct Light Orbital Angular Momentum Detection in Mid-infrared based on Semimetallic Materials	Plenary talk
18:00	Dinner			

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Plenary Talks(Infrared/THz/Bio Photonics) Meeting Room 3

Chair: Feng Chen 陈峰
Shandong University 山东大学
Pu Wang 王璞
Beijing University of Technology 北京工业大学

Time	Speaker	Affiliation	Title	Type
9:00-9:20	Chao Chang 常超	Peking University 北京大学	Physics of Terahertz Radiation	Plenary talk
9:20-9:40	Qun Hao 郝群	Changchun University of Science and Technology 长春理工大学	Quantum-dot broadband infrared imagers technology	Plenary talk
9:40-10:00	Juncheng Cao 曹俊诚	Shanghai Institute of Microsystem and Information Technology, CAS 中国科学院上海微系统与信息技术研究所	Terahertz semiconductor quantum cascade lasers and applications	Plenary talk
10:00-10:20	Hai Lu 陆海	Nanjing University 南京大学	SiC-Based Single-Photon and Single-Electron Detector for New-Generation Electron Microscopy	Plenary talk
10:20-10:40	Coffee Break			

2026.1.27

Plenary Talks (Optical Field Manipulation & Intelligent Photonics) Meeting Room 4

Chair: Yihua Hu 胡以华
National University of Defense Technology 国防科技大学
Tiancai Zhang 张天才
Shanxi University 山西大学

Time	Speaker	Affiliation	Title	Type
13:30-13:50	Zhigang Chen 陈志刚	Nankai University 南开大学	Structured Light and Topological Manipulation	Plenary talk
13:50-14:10	Xiangdong Zhang 张向东	Beijing Institute of Technology 北京理工大学	Non-Abelian topological bound states in the continuum (BICs) and moiré BICs	Plenary talk
14:10-14:30	Jianpu Wang 王建浦	Nantong University 南通大学	Perovskite light-emitting diodes	Plenary talk
14:30-14:50	Li Pei 裴丽	Beijing Jiaotong University 北京交通大学	Silicon-Photonic Integrated Sensing and Processing for Optical Networks	Plenary talk
14:50-15:10	Yan Li 李焱	Peking University 北京大学	On-Chip 3D Devices for Phase Controlling and OAM Mode Protection	Plenary talk
15:10-15:30	Qinghai Song 宋清海	Harbin Institute of Technology 哈尔滨工业大学	Metalasers with arbitrary wave front	Plenary talk
15:30-15:50	Coffee Break			
Chair: Yuncai Wang 王云才 Guangdong University of Technology 广东工业大学 Zhigang Chen 陈志刚 Nankai University 南开大学				
15:50-16:10	Yihua Hu 胡以华	National University of Defense Technology 国防科技大学	Intelligent Imaging Laser-Induced Breakdown Spectroscopy (I ² LIBS)	Plenary talk
16:10-16:30	Limin Tong 童利民	Zhejiang University 浙江大学	Atomic scale light confinement: from deep-sub-wavelength to deep-sub-cycle	Plenary talk
16:30-16:50	Tiancai Zhang 张天才	Shanxi University 山西大学	Manipulation of neutral atom array and observation of super-radiance	Plenary talk
16:50-17:10	Akimov Aleksey	Russian Quantum Center	Sensing with color centers in diamond	Plenary talk
17:10-17:30	Hui Liu 刘辉	Nanjing University 南京大学	High-dimensional Topological Photonics in Synthetic Parameter Space	Plenary talk
17:30-17:50	Xinbin Cheng 程鑫彬	Tongji University 同济大学	Neural Array Meta-Imaging	Plenary talk
18:00	Dinner			

2026.1.28

Plenary Talks (Optical Field Manipulation & Intelligent Photonics) Meeting Room 4

Chair: Limin Tong 童利民
Zhejiang University 浙江大学
Lilin Yi 义理林
Shanghai Jiao Tong University 上海交通大学

Time	Speaker	Affiliation	Title	Type
9:00-9:20	Jianji Dong 董建绩	Huazhong University of Science and Technology 华中科技大学	Nonlinear optical neural network and its application	Plenary talk
9:20-9:40	Kun Huang 黄坤	East China Normal University 华东师范大学	Mid-infrared upconversion multi-dimensional imaging	Plenary talk
9:40-10:00	Chao Zuo 左超	Nanjing University of Science and Technology 南京理工大学	Computational phase imaging for label-free 3D microscopy: noninterferometric phase retrieval and intensity diffraction tomography	Plenary talk
10:00-10:20	Xiaosong Ma 马小松	Nanjing University 南京大学	Quantum memory at telecom wavelength using erbium-ion ensembles	Plenary talk
10:20-10:40	Coffee Break			
Chair: Shih-Chi Chen 陈世祈 The Chinese University of Hong Kong 香港中文大学 Wenhao Li 李文昊 Changchun Institute of Optics, Fine Mechanics and Physics, CAS 中科院长春光机所				
10:40-11:00	Shumin Xiao 肖淑敏	Harbin Institute of Technology (Shenzhen) 哈尔滨工业大学 (深圳)	High-performance all-dielectric metasurfaces and their applications	Plenary talk
11:00-11:20	Dangyuan Lei 雷党愿	City University of Hong Kong 香港城市大学	Quantum Tunneling Induced Nonlinear Optics in Plasmonic Nanocavities	Plenary talk
11:20-11:40	Xiaolong Su 苏晓龙	Shanxi University 山西大学	Continuous-variable entanglement resource chip	Plenary talk
11:40-12:00	E Wu 武愕	East China Normal University 华东师范大学	Mid-infrared single-photon upconversion spectroscopy based on temporal-spectral quantum correlation	Plenary talk
12:00-13:30	Lunch			