

广东省激光行业协会

第七届世界激光制造大会 (XZQ 2026)

第四轮通知

World Laser Manufacturing Conference, XZQ 2026

Fourth Circular

世界激光制造大会

World Laser Manufacturing Conference, XZQ 2026

2026年6月10-12日 June 10-12, 2026

投稿截止日期 (Submission Deadline)

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PART 01 组织机构 Organizational structure

主办单位 (Host Organizations)

中国光学光电子行业协会 (China Optics and Optoelectronics

Manufacturers Association)

广东省激光行业协会 (Guangdong Laser Industry Association)

中国科学院物理研究所 (Institute of Physics, Chinese Academy of

Sciences)

松山湖材料实验室 (Songshan Lake Materials Laboratory)

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东莞理工学院 (Dongguan University of Technology)

深圳先进光源研究院 (Institute of Advanced Light Source
Facilities, Shenzhen)

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深圳技术大学 (Shenzhen Technology University)

华南师范大学 (South China Normal University)

广东省科学院 (Guangdong Academy of Sciences)

固体激光技术重点实验室 (Key Laboratory of Solid-State Laser
Technology)

国家固体激光工程技术研究中心 (National Solid State Laser
Engineering Technology Research Center)

中国光学光电子行业协会激光应用分会 (Laser Application Branch
of China Optics and Optoelectronics Manufacturers
Association)

深圳市激光智能制造行业协会 (Shenzhen Laser Intelligent
Manufacturing Industry Association)

执行单位 (Executive Units)

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Technology Research Institute)

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Exhibition (Shenzhen) Co., Ltd.）

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激光制造网 LASERFAIR.COM（LASERFAIR.COM）

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广东省光学学会（Guangdong Optical Society）

国际先进激光技术联盟（International Alliance for Advanced
Laser Technology）

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Standardization)

中国高技术产业发展促进会激光与未来产业发展专业委员会 (Laser
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中国光学光电子行业协会激光分会 (Laser Branch of China Optics
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广东省机械工程学会增材制造 (3D 打印) 分会 (Additive
Manufacturing (3D Printing) Branch of Guangdong
Mechanical Engineering Society)

武汉中国光谷激光行业协会 (Wuhan China Optics Valley Laser

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深圳市仪器仪表学会 (Shenzhen Instrument and Control Society)

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PART 02 大会信息 Basic Information of the Conference

时间：2026 年 6 月 10-12 日（星期三至星期五）

Time: June 10-12, 2026 (Wednesday to Friday)

地点：深圳国际会展中心希尔顿酒店

Location: Hilton Shenzhen World Exhibition & Convention Center

主题：激光智造·光链未来

Theme: Laser Manufacturing • Light Linking the Future

PART 03 大会日程 Conference Schedule

日期	时间	事项	地点
6月10日	14:00-20:00	会议注册签到	深圳国际会展中心希尔顿酒店一楼
6月11日	08:00-09:00	会议注册签到	深圳国际会展中心希尔顿酒店一楼
	09:00-12:00	开幕式及大会报告	深圳国际会展中心希尔顿酒店二楼招华厅
	14:00-17:00	专题报告	深圳国际会展中心希尔顿酒店二楼、希尔顿花园酒店二楼
	18:00-20:30	红光奖颁奖典礼	深圳国际会展中心希尔顿酒店二楼招华厅
6月12日	09:00-17:00	专题报告	深圳国际会展中心希尔顿酒店二楼、希尔顿花园酒店二楼

PART 04 大会报告 Plenary reports

主题：未来产业爆点与智能激光制造

Theme: Breakthrough Points of Future Industries and
Intelligent Laser Manufacturing

大会报告（以下排名不分先后）：

李琳（中国科学院宁波材料技术与工程研究所） 激光极端制造现状与挑战

顾敏 院士（上海理工大学） Beyond Pb optical data storage

洪明辉 院士（厦门大学） Laser Surface Nano-patterning and
Optical Nano-imaging via Microsphere

Reinhart Poprawe 教授（弗劳恩霍夫激光技术研究所） Future
Cooperation of University, Research and Industry – The
Example of Digital Laser Production

潘世烈（中国科学院新疆理化技术研究所）真空紫外光电功能晶体材
料创制

颜学庆 教授（北京大学）北京大学激光等离子体加速器与应用展望

Plenary Lectures (Listed in no particular order):

LI Lin (Ningbo Institute of Materials Technology and
Engineering, Chinese Academy of Sciences) | *Laser Extreme
Manufacturing: Current Status and Challenges*

Gu Min (Shanghai University of Science and Technology) | *Beyond
Pb optical data storage*

Hong Minghui (Xiamen University) | *Laser Surface
Nano-patterning and Optical Nano-imaging via Microsphere*

Professor Reinhart Poprawe (Fraunhofer Institute for Laser
Technology) | *Future Cooperation of University, Research
and Industry – The Example of Digital Laser Production –*

Pan Shilie (Xinjiang Technical Institute of Physics and
Chemistry, Chinese Academy of Sciences) | Creation of
vacuum ultraviolet photoelectric functional crystal
materials

Professor YanXueqing (Peking University) | *Laser Plasma*

*Accelerators at Peking University and Their Application
Prospects*

PART 05 专题报告 Special Reports

专题一：半导体激光与先进光电子器件 Topic 1:

**Semiconductor Lasers and Advanced Optoelectronic
Devices**

(半导体激光器、光电子集成器件、集成调制器件、光电探测器等)

(Semiconductor lasers, optoelectronic integrated devices,
integrated modulators, photodetectors)

专题主席：谢亮 (中国科学院半导体研究所)

Session Chair: Xie Liang (Institute of Semiconductors, Chinese
Academy of Sciences)

共主席：佟存柱 (北京航空航天大学)、朱振 (山东华光光电子股份
有限公司)

Co-Chairs: Tong Cunzhu (Beihang University), Zhu Zhen
(Shandong Huaguang Optoelectronics Co., Ltd.)

秘书：王祎明 (中国科学院半导体研究所)、孙敬华 (东莞理工学院)、
开北超 (山东华光光电子股份有限公司)、吕仁冲 (松山湖材料实验
室)

Secretaries: Wang Yiming(Institute of Semiconductors, Chinese Academy of Sciences), Sun Jinghua (Dongguan University of Technology), Kai Beichao (Shandong Huaguang Optoelectronic Company Limited)

Lyu Renchong (Songshan Lake Materials Laboratory)

邀请报告（音序）：

卞 奇（中国科学院理化技术研究所） 高功率 VECSEL 钠信标激光技术

曹 攀（海思光电子有限公司） 智算光互连时代关键光电器件技术

阚 强（中国科学院半导体研究所）

李 特（中国科学院西安光学精密机械研究所） 基于液态金属的高功率半导体激光芯片封装技术

梁 磊（中国科学院长春光学精密机械与物理研究所） 集成可调谐及多波长激光器研究

刘育銜（度亘核芯光电技术（苏州）股份有限公司） 创新突破 稳驭温漂——新一代低温漂 976nm 激光芯片与模块

宁存政（深圳技术大学）

佟存柱（北京航空航天大学）

王兆伟（齐鲁工业大学（山东省科学院）激光研究所） 低功耗感知用激光/探测器研究进展

谢 亮（中国科学院半导体研究所） 激光噪声测试表征技术

喻 颖（中山大学电子与信息工程学院） 面向光互连的半导体量子
点 DFB 激光器及微纳激光器

杨成奥（中国科学院半导体研究所） 铟化物中红外半导体激光器

张 贺（长春理工大学） 宽光谱光电探测与气体传感技术

翟慎强（中国科学院半导体研究所） 宽调谐量子级联激光材料与器
件

张锦川（中国科学院半导体研究所） 中远红外量子级联激光器

张胜利（深圳技术大学）

朱 振（山东华光光电子股份有限公司） 高功率泵浦用叠阵产品及
相关技术

持续更新中.....

Invited Talks (In Alphabetical Order)

Bian Qi (Technical Institute of Physics and Chemistry, Chinese
Academy of Sciences) | *High-Power VECSEL Sodium Beacon
Laser Technology*

Cao Pan (HiSilicon Optoelectronic Technologies Company Limited)
| *Key Optoelectronic Device Technologies for the Era of
Intelligent Computing Optical Interconnection*

Kan Qiang (Institute of Semiconductors, Chinese Academy of
Sciences)

Li Te (Xi'an Institute of Optics and Precision Mechanics,
Chinese Academy of Sciences) | *High-Power Semiconductor
Chip Packaging Technology Based on Liquid Metals*

Liang Lei (Changchun Institute of Optics, Fine Mechanics and
Physics, Chinese Academy of Sciences) | *High-Power
Narrow-Linewidth Semiconductor Laser Technology*

Liu Yuxian (Dugen Core Optoelectronic Technology (Suzhou)
Company Limited) | *Innovative Breakthroughs for Stable
Temperature Drift Control: A New Generation of 976nm Laser
Chips and Modules with Ultra-Low Temperature Drift*

Ning Cunzheng (Shenzhen Technology University)

Tong Cunzhu (Beihang University)

Wang Zhaowei (Laser Institute of Shandong Academy of Sciences) |
*Research Progress of Lasers and Detectors for Low-Power
Sensing Applications*

Xie Liang (Institute of Semiconductors, Chinese Academy of
Sciences) | *Laser Noise Testing and Characterization
Technology*

Yu Ying (Sun Yat-sen University) | *Semiconductor Quantum Dot DFB
Lasers and Micro-nano Lasers for Optical Interconnects*

Yang Chengao (Institute of Semiconductors, Chinese Academy of
Sciences) | *Antimonide Mid-Infrared Semiconductor Lasers*

Zhang He (Changchun University of Science and Technology) |
*Broadband Optoelectronic Detection and Gas Sensing
Technology*

Zhai Shenqiang (Institute of Semiconductors, Chinese Academy
of Sciences) | *Widely Tunable Quantum Cascade Laser
Materials and Devices*

Zhang Jinchuan (Institute of Semiconductors, Chinese Academy
of Sciences) | *Mid- and Far-Infrared Semiconductor Lasers*

Zhang Shengli (Shenzhen Technology University)

Zhu Zhen (Shandong Huaguang Optoelectronics Co., Ltd.) |
High-Power Pump Stack Products and Related Technologies

The list will be updated continuously.

专题二：激光材料和器件 Topic 2: Laser Materials and Devices

(先进晶体材料、光纤材料、半导体激光材料、固体激光材料、液体
激光材料、金刚石、光纤激光器件、垂直腔面发射激光器、纳米线激
光器、超快固体激光器、微纳激光器、结构光激光器等)

(Advanced crystal materials, fiber materials, semiconductor
laser materials, solid-state laser materials, liquid laser
materials, diamond, fiber laser devices, vertical cavity
surface emitting lasers, nanowire lasers, ultrafast
solid-state lasers, micro-nano lasers, structured light lasers)

专题主席：潘世烈（中国科学院新疆理化技术研究所）

Session Chair: Pan Shilie(Xinjiang Technical Institute of Physics and Chemistry, Chinese Academy of Sciences)

共主席：张龙（中国科学院上海光学精密机械研究所）、徐军（同济大学）、曹永革（松山湖材料实验室）

Zhang Long (Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences), Co-Chairs: Xu Jun (Tongji University), Cao Yongge (Songshan Lake Materials Laboratory)

秘书：周煌（中国科学院物理研究所）、张方方（中国科学院新疆理化技术研究所）

Secretaries: Zhou Huang (Institute of Physics, Chinese Academy of Sciences)

Zhang Fangfang (Xinjiang Technical Institute of Physics and Chemistry, Chinese Academy of Sciences)

邀请报告（音序）：

陈怀熹（福建师范大学）PPMgLN 晶体薄膜脊波导的制备和应用

晋云霞（中国科学院上海光学精密机械研究所）从强激光衍射光栅视角畅谈系统负载能力提升技术

姜本学（中国科学院上海光学精密机械研究所）

雷党愿（香港城市大学） 等离激元光热打印

刘开辉（北京大学） 二维材料光学晶体

马凤凯（暨南大学）激光晶体材料的功能基元探索

沈德元（江苏师范大学） 基于低浓度 Er 掺杂 3 微米倍半氧化物陶瓷
激光研究进展

苏良碧（中国科学院上海硅酸盐研究所）

王训四（宁波大学） 面向中远红外高能激光集成的新型梯度硫系光
纤及胶合技术

俞洪伟（天津理工大学） 新型非线性光学晶体设计及性能研究

于浩海（山东大学）

尹延如（山东大学） 大口径 Lu2O3 晶体制备与激光性能研究

赵三根（粤港澳大湾区量子科学中心） 各向异性光学晶体材料

章 健（中科院硅酸盐所）

持续更新中.....

Invited Talks (In Alphabetical Order)

Chen Huaixi (Fujian Normal University) | *Fabrication and
Applications of PPMgLN Crystal Thin Film Ridge Waveguides*

Jin Yunxia (Shanghai Institute of Optics and Fine Mechanics,
Chinese Academy of Sciences) | *System Load Capacity
Enhancement Technologies from the Perspective of
High-Power Laser Diffraction Gratings*

Jiang Benxue (Shanghai Institute of Optics and Fine Mechanics,
Chinese Academy of Sciences)

Lei Danguan (City University of Hong Kong) | *Plasmonic
photothermal printing*

Liu Kaihui (Peking University) | *Progress and Prospect of Two-Dimensional Nonlinear Optical Materials for Laser Applications*

Ma Fengkai (Jinan University) | *Exploration of Functional Building Blocks in Laser Crystal Materials*

Shen Deyuan (Jiangsu Normal University) | *Research Progress on Low-Concentration Er-Doped 3 μ m Sesquioxide Ceramic Lasers*

Su Liangbi (Shanghai Institute of Ceramics, Chinese Academy of Sciences)

Wangxunsi (Ningbo University) | *Novel Gradient Chalcogenide Fibers and Bonding Technologies for Mid- and Far-Infrared High-Energy Laser Integration*

Yu Hongwei (Tianjin University of Technology) | *Design and performance study of novel nonlinear optical crystals*

Yu Haohai (Shandong University)

Yan Yanru (Shandong University) | *Fabrication and Laser Performance of Large-Aperture Lu O₃ Crystals*

Zhao Sangen (Southern University of Science and Technology) | *Anisotropic optical crystal materials*

Zhang Jian (Shanghai Institute of Ceramics, Chinese Academy of Sciences)

The list will be updated continuously.

专题三：光纤激光应用 Topic 3: Applications of Fiber Lasers

(锁模光纤激光器、空芯光纤气体激光器、连续波光纤激光器、单频光纤激光器、超快光纤激光器、高功率光纤激光器、非线性光纤激光器等) (Mode-locked fiber lasers, air-core fiber gas lasers, continuous-wave fiber lasers, single-frequency fiber lasers, ultrafast fiber lasers, high-power fiber lasers, nonlinear fiber lasers)

专题主席：王鹏飞（东北师范大学）

Session Chair: Wang Pengfei (Northeast Normal University)

共主席：庞盟（中国科学院上海光学精密机械研究所）、汪滢莹（暨南大学）

Co-Chairs: Pang Meng (Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences), Wang Yingying (Jinan University)

秘书：刘伟（中山大学）、刘思聪（松山湖材料实验室）、刘雅倩（深圳先进光源研究院）

Secretaries: Liu Wei (Sun Yat-sen University)

Liu Sicong (Songshan Lake Materials Laboratory)

Liu Yaqian (Shenzhen Advanced Light Source Institute)

邀请报告（音序）：

郭春雨（深圳大学）中红外高功率超快光纤激光器研究

胡明列（天津大学） Intelligent Assisted Spatiotemporal Control
of Femtosecond Lasers and Its Applications

黄家鹏（中国科学院上海光学精密机械研究所） 高单模纯度空芯光
纤制备及超快中红外脉冲传输研究

黄志远（中国科学院上海光学精密机械研究所） 紫外超快激光产生
及应用研究

廖 洋（中国科学院上海光学精密机械研究所）高重频超快激光高效
高质量加工技术

罗智超（华南师范大学） 1.7 μm 高能量脉冲掺铥光纤激光器

刘雪明（东南大学） 智能超快激光的研究

牟成博（上海大学） Carbon nanotube mode-locked Er-doped fiber
lasers and applications

王 璞（北京工业大学） Hollow-Core Anti-Resonant Fibers: from
Mid-Infrared Laser Generation to Laser Delivery

韦小明（华南理工大学） Femtosecond Fiber Laser for Multiphoton
Applications

徐淮良（西安电子科技大学） Femtosecond laser filamentation and
remote fabrication

肖起榕（清华大学） Research on Spectral Control and Spatial
Modulation of Fiber Lasers

杨 松（中国科学院半导体研究所）超快激光产生及其在 SiC 剥离应用中的研究

闫 明（华东师范大学） Optical frequency comb spectroscopy and imaging

杨佩龙（宁波大学）全光纤中红外高功率脉冲与宽带超连续谱光源：关键技术及应用

查从文（深圳市大族光子激光技术有限公司）“激光器+AI”深度融合：基于同源感知技术重构核心三大件的智能底座

郑耀辉（山西大学） Quantum-Classical Hybrid Noise Suppression in Lasers

张云鹏（普雷茨特精密技术上海有限公司） Precitec LWM AI: Monitor Quality for Laser Welding

周 朴（国防科技大学） Coherent beam combining of high power fiber lasers

张 晗（深圳大学） 超快激光与光子智能计算
持续更新中.....

Invited Talks (In Alphabetical Order)

Guo Chunyu (Shenzhen University) | *Research on Mid-Infrared High-Power Ultrafast Fiber Lasers*

Hu Minglie (Tianjin University) | *Intelligent Assisted Spatiotemporal Control of Femtosecond Lasers and Its Applications*

Huang Jiapeng (Shanghai Institute of Optics and Fine Mechanics,
Chinese Academy of Sciences) | *Fabrication of High
Single-Mode Purity Hollow-Core Fibers and Ultrafast
Mid-Infrared Pulse Transmission*

Huang Zhiyuan (Shanghai Institute of Optics and Fine Mechanics,
Chinese Academy of Sciences) | *Research on Generation and
Applications of Ultraviolet Ultrafast Lasers*

Liao Yang (Shanghai Institute of Optics and Fine Mechanics,
Chinese Academy of Sciences) | *High-Efficiency and
High-Quality Processing Technology with
High-Repetition-Rate Ultrafast Lasers*

Luo Zhichao (South China Normal University) | *1.7 μm
High-Energy Pulsed Thulium-Doped Fiber Lasers*

Liu Xueming (Southeast University) | *Research on Intelligent
Ultrafast Lasers*

Mou Chengbo (Shanghai University) | *Carbon nanotube
mode-locked Er-doped fiber lasers and applications*

Wang Pu (Beijing University of Technology) | *Hollow-Core
Anti-Resonant Fibers: from Mid-Infrared Laser Generation
to Laser Delivery*

Wei Xiaoming (South China University of Technology) |
Femtosecond Fiber Laser for Multiphoton Applications

Xu Huailiang (Xidian University) | *Femtosecond laser filamentation and remote fabrication*

Xiao Qirong (Tsinghua University) | *Research on Spectral Control and Spatial Modulation of Fiber Lasers*

Yang Song (Institute of Semiconductors, Chinese Academy of Sciences) | *Research on Ultrafast Laser Generation and Its Application in SiC Lift-Off*

Yan Ming (East China Normal University) | *Optical frequency comb spectroscopy and imaging*

Yang Peilong (Ningbo University) | *All-Fiber Mid-Infrared High-Power Pulsed and Broadband Supercontinuum Light Sources: Key Technologies and Applications*

Zha Congwen (Shenzhen Han's Photonics Laser Technology Co., Ltd.) | *Towards Intelligent Photonic Manufacturing: Redefining the Core Competitiveness of High-Power Lasers via Homologous Sensing and Ultra-Precision Process Reconstruction*

Zheng Yaohui (Shanxi University) | *Quantum-Classical Hybrid Noise Suppression in Lasers*

Zhang Yunpeng (Precitec China Laser Processing Division) | *Precitec LWM AI: Monitor Quality for Laser Welding*

Zhou Pu (National University of Defense Technology) | *Coherent beam combining of high power fiber lasers*

Zhang Han (Shenzhen University) | *Ultrafast Lasers and Photonic Intelligent Computing*

The list will be updated continuously.

专题四：全固态激光 Topic 4: All-Solid-state Lasers

(新型激光晶体、新型激光器件、传统半导体泵浦的固体激光器、碟片激光器等) (New types of laser crystals, new types of laser devices, solid-state lasers pumped by traditional semiconductors, disc lasers)

专题主席：朱江峰（西安电子科技大学）

Session Chair: Zhu Jiangfeng (Xidian University)

共主席：张金伟（华中科技大学）、梁晓燕（中国科学院上海光学精密机械研究所）

Co-Chairs: Zhang Jinwei (Huazhong University of Science and Technology), Liang Xiaoyan (Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences)

秘书：王楠（松山湖材料实验室）、田文龙（西安电子科技大学）、高勇喜（苏州贝林激光有限公司）

Secretaries: Wang Nan (Songshan Lake Materials Laboratory)

Tian Wenlong (Xidian University)

Gao Yongxi (Suzhou Bellin Laser Co., Ltd.)

邀请报告（音序）：

郭晓勇/薄 勇 研究员（中国科学院理化技术研究所）High power pulse solid-state laser

陈玮冬（中国科学院福建物质结构研究所）亚 50 飞秒 LD 泵浦 Yb:Ca₃TaGa₃Si₂O₁₄ 激光器

代世波（暨南大学）室温大气环境下运转的高功率大能量掺铥飞秒再生放大器

郭 洁（中国科学院上海光学精密机械研究所）高功率超快激光光源在功率、脉宽与波长维度的拓展

刘 星（深圳技术大学）高功率（>1800W @1MHz）、大能量（10mJ@100kHz）工业飞秒碟片激光器研究及展望

刘 伟（济南晶众光电科技有限公司）从庞大台式到纳米芯片：OPO 激光器的技术演进与未来蓝图

麦嘉辉（华中科技大学）基于 Cr:ZnS(e) 激光驱动的中红外飞秒脉冲

齐瑶瑶（河北工业大学）多自由度涡旋激光光源协同调控及应用

田文龙（西安电子科技大学）面向高功率太赫兹产生的 Yb 全固态飞秒激光

唐定远（深圳技术大学）倍半氧化物激光陶瓷及陶瓷激光器研究最新进展

王云朋（北京工业大学）大能量纳秒 2μ m 全光纤/光纤固体混合单频激光器

王雨雷（河北工业大学）

徐晓东（江苏师范大学） Ho,Pr 共掺中红外激光晶体的研究

于浩海（山东大学） 电子声子耦合激光晶体及激光器研究

杨学宗（国科大杭州高等研究院） 百瓦单频 509nm 谐振倍频激光器
研究

张百涛（山东大学） 高功率皮秒、亚纳秒、纳秒固体激光技术研究

周 煌（中国科学院物理研究所） 太瓦量级大能量碟片飞秒激光器
及其核心器件的研究

张沛雄（暨南大学） 宽带发射激光晶体的研究

张艳林（山西大学光电研究所） 高功率窄线宽纳秒 355nm 紫外激光
器关键技术研究

持续更新中.....

Invited Talks (In Alphabetical Order)

Xiaoyong Guo/Bo Yong (Technical Institute of Physics and
Chemistry, Chinese Academy of Sciences) | *High power pulse
solid-state laser*

Chen Weidong (Fujian Institute of Research on the Structure of
Matter, Chinese Academy of Sciences) | *Sub-50 Femtosecond
LD-Pumped Yb:Ca₃TaGa₃Si₂O₁₄ Laser*

Dai Shibo (Jinan University) | *High-Power High-Energy
Thulium-Doped Femtosecond Regenerative Amplifiers
Operating at Room Temperature and Ambient Atmosphere*

Guo Jie (Shanghai Institute of Optics and Fine Mechanics,
Chinese Academy of Sciences) | *Expansion of High-Power
Ultrafast Laser Sources Across Power, Pulse Width and
Wavelength Dimensions*

Liu Xing (Shenzhen Technology University) | *Research and
Outlook on High-Power (>1800 W @ 1 MHz), High-Energy (10
mJ @ 100 kHz) Industrial Femtosecond Thin-Disk Lasers*

Liu Wei (Jinan Jingzhong Optoelectronic Technology Co., Ltd.)
| *From Bulky Benchtop Systems to Nanoscale Chips:
Technological Evolution and Future Blueprint of OPO Lasers*

Mai Jiahui (Huazhong University of Science and Technology)
| *Cr:ZnS(e) Laser-Driven Mid-Infrared Femtosecond Pulses*

Qi Yaoyao (Hebei University of Technology) | *Cooperative
Regulation and Application of Multi-Degree-of-Freedom
Vortex Laser Sources*

Tian Wenlong (Xidian University) | *Yb-Doped All-Solid-State
Femtosecond Lasers for High-Power Terahertz Generation*

Tang Dingyuan (Shenzhen Technology University) | *Latest
Research Progress on Sesquioxide Laser Ceramics and
Ceramic Lasers*

Wang Yunpeng (Beijing University of Technology) | *High-Energy
Nanosecond 2 μ m All-Fiber/Fiber-Bulk Hybrid
Single-Frequency Laser*

Wang Yulei (Hebei University of Technology)

Xu Xiaodong (Jiangsu Normal University) | *Research on Ho,Pr
Co-Doped Mid-Infrared Laser Crystals*

Yu Haohai (Shandong University) | *Research on Electron-Phonon
Coupling Laser Crystals and Lasers*

Yang Xuezhong (Hangzhou Institute for Advanced Study,
University of Chinese Academy of Sciences) | *Research on
100-Watt Single-Frequency 509 nm Resonant
Frequency-Doubled Lasers*

Zhang Baitao (Shandong University) | *Research on High-Power
Picosecond, Sub-Nanosecond and Nanosecond Solid-State
Laser Technology*

Zhou Huang (Institute of Physics, Chinese Academy of Sciences)
| *Research on Terawatt-Level High-Energy Thin-Disk
Femtosecond Lasers and Their Core Devices*

Zhang Peixiong (Jinan University) | *Research on Broadband
Emission Laser Crystals*

Zhang Yanlin (Institute of Opto-Electronics, Shanxi University)

| *Key Technologies of High-Power Narrow-Linewidth*

Nanosecond 355 nm Ultraviolet Lasers

The list will be updated continuously.

专题五：非线性频率变换激光及太赫兹技术

Topic 5: Nonlinear Frequency Conversion Lasers and terahertz technology

(新型非线性晶体材料、光参量激光、非线性光学、太赫兹光产生、传输、探测及应用等) (New nonlinear crystal materials, optical parametric lasers, nonlinear optics, generation, transmission, detection and application of terahertz light)

专题主席：付玉喜（中国科学院西安光学精密机械研究所）

Session Chair: Fu Yuxi (Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences)

共主席：李玉同（中国科学院物理研究所）、谢国强（上海交通大学）

Co-Chairs: Li Yutong (Institute of Physics, Chinese Academy of Sciences), Xie Guoqiang (Shanghai Jiao Tong University)

秘书：魏丹（东莞理工学院）、薛冰（中国科学院西安光学精密机械研究所）、孟祥昊（北京工业大学）

Secretaries: Wei Dan (Dongguan University of Technology)

Xue Bing (Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences)

Meng Xianghao (Beijing University of Technology)

邀请报告（音序）：

丛振华（山东大学） 基于有机晶体频率上转换高动态太赫兹光谱测量及热影响研究

曹华保（西安光机所） 2-cycle mid-infrared OPCPA systems pumped by directly liquid-cooled Yb:YAG thin-disk laser

梁厚昆（四川大学） 片上低阈值高功率宽带长波红外参量转换

廖国前（中国科学院物理研究所） Laser-driven GW-TW terahertz radiation from plasmas

卢华东（山西大学） 大能量窄线宽光学参量振荡器关键技术研究

刘 一（上海理工大学） Generation of spatiotemporal vortex and Skyrmions in the UV and EUV range

牟 森（中国科学院西安光学精密机械研究所） All-fibre-coupled THz attenuated total internal reflection single-pixel imaging system

彭宇杰（中国科学院上海光学精密机械研究所） 高功率中红外超短脉冲激光研究

孙敬华（东莞理工学院）

宋立伟（中国科学院上海光学精密机械研究所） 可调谐高重频强场长波红外激光的产生与非线性光学成像表征

陶镇生（复旦大学） Stabilization and Destabilization of
Multimode Solitons in Nonlinear Degenerate Multi-Pass
Cavities

吴晓君（北京航空航天大学） 高功率强场铌酸锂太赫兹光源及其应
用（High-Power Strong-Field Lithium Niobate Terahertz
Source and its Applications）

王天武（中国科学院空天信息创新研究院）高时空分辨太赫兹成像技
术及应用研究/ High spatiotemporal resolution terahertz
imaging technology and applications

杨金芳（天水师范学院）High power, high repetition rate, widely
tunable femtosecond optical parametric oscillator

张 岩（首都师范大学） 光寻址太赫兹可编程超表面

张东方（上海交通大学） 强场太赫兹产生与调控技术及其驱动的电
子发射研究

张金伟（华中科技大学） 高功率超快结构光固体激光器

持续更新中.....

Invited Talks (In Alphabetical Order)

Cong Zhenhua (Shandong University) | *Research on High-Dynamic
Terahertz Spectrum Measurement Based on Organic Crystal
Frequency Upconversion and Its Thermal Effects*

Cao Huabao (Xi'an Institute of Optics and Precision Mechanics,
Chinese Academy of Sciences) | *2-Cycle Mid-Infrared OPCPA*

*Systems Pumped by Directly Liquid-Cooled Yb:YAG Thin-Disk
Laser*

Liang Houkun (Sichuan University) | *Hundred-Milliwatt
Long-Wave Infrared Femtosecond Laser Based on
Large-Mode-Field $x(2)$ Waveguide*

Liao Guoqian (Institute of Physics, Chinese Academy of Sciences)
| *Laser-driven GW-TW terahertz radiation from plasmas*

Lu Huadong (Shanxi University) | *Key Technologies of
High-Energy Narrow-Linewidth Optical Parametric
Oscillators*

Liu Yi (University of Shanghai for Science and Technology) |
*Generation of Spatiotemporal Vortex and Skyrmions in the
UV and EUV Range*

Mou Sen (Xi'an Institute of Optics and Precision Mechanics,
Chinese Academy of Sciences) | *All-fibre-coupled THz
attenuated total internal reflection single-pixel imaging
system*

Peng Yujie (Shanghai Institute of Optics and Fine Mechanics,
Chinese Academy of Sciences) | *Research on High-Power
Mid-Infrared Ultrashort Pulsed Lasers*

Sun Jinghua (Dongguan University of Technology)

Song Liwei (Shanghai Institute of Optics and Fine Mechanics,
Chinese Academy of Sciences) | *Generation and
Characterization of High-Repetition-Rate Few-Cycle
Long-Wave Infrared Lasers*

Tao Zhensheng (Fudan University) | *Stabilization and
Destabilization of Multimode Solitons in Nonlinear
Degenerate Multi-Pass Cavities*

Wu Xiaojun (Beihang University) | *High-Power Strong-Field
Lithium Niobate Terahertz Source and Its Applications*

Wang Tianwu (Aerospace Information Research Institute, Chinese
Academy of Sciences) | *High Spatiotemporal Resolution
Terahertz Imaging Technology and Applications*

Yang Jinfang (Tianshui Normal University) | *High Power, High
Repetition Rate, Widely Tunable Femtosecond Optical
Parametric Oscillator*

Zhang Yan (Capital Normal University) | *Optically Addressed
Terahertz Programmable Metasurface*

Zhang Dongfang (Shanghai Jiao Tong University) | *Strong-Field
Terahertz-Driven Ultrafast Electron Imaging Technology*

Zhang Jinwei (Huazhong University of Science and Technology)
| High-Power Ultrafast Structured-Light Solid-State
Laser

The list will be updated continuously.

专题六：超快超强激光及前沿应用 Topic 6: Ultrafast and Ultra-intense Lasers and Their Cutting-edge Applications

(超快激光、阿秒物理、光频梳及其应用等) (Ultrafast lasers, attosecond physics, optical frequency combs and their applications)

专题主席：滕浩（中国科学院物理研究所）

Session Chair: Teng Hao (Institute of Physics, Chinese Academy of Sciences)

共主席：赵增秀（国防科技大学）、陈黎明（上海交通大学）、柳晓军（中国科学院精密测量科学与技术创新研究院）

Co-Chairs: Zhao Zengxiu (National University of Defense Technology), Chen Liming (Shanghai Jiao Tong University), Liu Xiaojun (Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences)

秘书：王羨之（中国科学院物理研究所）、宋贾俊（中国科学院上海光学精密机械研究所）

Secretaries: Wang Xianzhi (Institute of Physics, Chinese Academy of Sciences)

Song Jiajun (Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences)

邀请报告（音序）：

陈艳中（中国科学院空天信息创新研究院）

陈 林（中国工程物理研究院激光聚变中心） 千焦耳级重频激光放大技术研究

曹磊峰（深圳技术大学） 面向产业化应用的激光 X 射线源

崔 勇（中国工程物理研究院上海激光等离子体研究所）百飞秒级超短超强激光系统及光束时空特性测量技术

郭钞宇（阿秒科学中心） 超快扫描探针技术及应用

华林强（中国科学院精密测量科学与技术创新研究院） 极紫外光梳技术与应用

李平雪（北京工业大学） 大能量百皮秒复合板条激光放大器研究

刘文军（北京邮电大学） 高功率飞秒紫外激光研究进展

李毅飞（中国科学院物理研究所） 激光驱动粒子束和辐射源的重大应用

林景全（长春理工大学） 飞秒-纳米尺度超快等离子激元的控制

乔 宾（北京大学） 北京大学高重频准拍瓦激光装置进展

宋贾俊（中国科学院上海光机所） 高功率大能量掺镱固体飞秒激光技术研究

谭小波（国防科技大学） 超快激光技术在超快成像领域的应用

汪礼锋（西安电子科技大学） 载波包络相位引入的阈上电离谱中非对称快速振荡

王小伟（国防科技大学） 极紫外超连续谱产生

许毅（上海光机所） SEL-100 PW 激光装置的研究进展

奚婷婷（中国科学院大学） 具有涡旋结构和圆偏振态的超短脉冲产生研究

朱良琴（深圳市杰普特光电股份有限公司） 飞秒激光先进应用与产业化实践

钟诗阳（中国科学院物理研究所） 面向亚 50 阿秒软 X 射线脉冲的全光学测量技术

持续更新中.....

Invited Talks (In Alphabetical Order)

Chen Yanzhong (Aerospace Information Research Institute, Chinese Academy of Sciences)

Chen Lin (Laser Fusion Research Center, China Academy of Engineering Physics) | *Research on Kilojoule-Class High-Repetition-Rate Laser Amplification Technology*

Cao Leifeng (Shenzhen Technology University) | *Laser X-ray Sources for Industrial Applications*

Cui Yong (Shanghai Institute of Laser Plasma, China Academy of Engineering Physics) | *Hundred-Femtosecond-Level Ultrashort Ultra-Intense Laser Systems and Beam Spatiotemporal Characterization Technology*

Guo Chaoyu (Attosecond Science Center) | *Ultrafast Scanning Probe Technology and Applications*

Hua Linqiang (Innovation Academy for Precision Measurement
Science and Technology, Chinese Academy of Sciences) |
*Extreme Ultraviolet Optical Frequency Comb: Technology
and Applications*

Li Pingxue (Beijing University of Technology) | *Research on
High-Energy Hundred-Picosecond Composite Slab Laser
Amplifiers*

Liu Wenjun (Beijing University of Posts and Telecommunications)
| *Research Progress in High-Power Femtosecond Ultraviolet
Lasers*

Li Yifei (Institute of Physics, Chinese Academy of Sciences)
| *Major Applications of Laser-Driven Particle Beams and
Radiation Sources*

Lin Jingquan (Changchun University of Science and Technology)
| *Control of Femtosecond-Nanoscale Ultrafast Plasmons*

Qiao Bin (Peking University) | *Progress of the
High-Repetition-Rate Quasi-Petawatt Laser Facility at
Peking University*

Song Jiajun (Shanghai Institute of Optics and Fine Mechanics,
Chinese Academy of Sciences) | *Research on High-Power
High-Energy Yb-Doped Solid-State Femtosecond Laser
Technology*

- Tan Xiaobo (National University of Defense Technology) |
Applications of Ultrafast Laser Technology in Ultrafast Imaging
- Wang Lifeng (Xidian University) | *Asymmetric Fast Oscillations in Above-Threshold Ionization Spectra Induced by Carrier-Envelope Phase*
- Wang Xiaowei (National University of Defense Technology) |
Extreme Ultraviolet Supercontinuum Generation
- Xu Yi (Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences) | *Research Progress of the SEL-100 PW Laser Facility*
- Xi Tingting (University of Chinese Academy of Sciences) |
Research on Generation of Ultrashort Pulses with Vortex Structure and Circular Polarization
- Zhu Liangqin (Shenzhen JPT Opto-Electronics Co., Ltd.) |
Advanced Applications and Industrialization Practices of Femtosecond Lasers
- Zhong Shiyang (Institute of Physics, Chinese Academy of Sciences) | *All-Optical Measurement Technology for Sub-50-Attosecond Soft X-Ray Pulses*

The list will be updated continuously.

专题七：极紫外光学及光刻应用 Topic 7: Extreme

Ultraviolet Optics and Lithography Applications

(EUV 光源与光学系统、多光束与超分辨光刻、功能化光刻胶与材料等) (EUV light sources and optical systems, multi-beam and super-resolution lithography, functionalized photoresists and materials)

专题主席：李艳秋（北京理工大学）

Session Chair: Li Yanqiu (Beijing Institute of Technology)

共主席：林楠（北京航空航天大学）、张晓世（云南大学）

Co-Chairs: Lin Nan (Beihang University), Zhang Xiaoshi (Yunnan University)

秘书：许长文（深圳大学）、王庆（北京理工大学）、叶蓬（松山湖材料实验室）

Secretaries:

Xu Changwen (Shenzhen University)

Wang Qing (Beijing Institute of Technology)

Ye Peng (Songshan Lake Materials Laboratory)

邀请报告（音序）：

邓 辉（南方科技大学） 超高精度 X 射线反射镜的自主化制造工艺链

范广宇（上海理工大学） 高维孤子驱动高通量高次谐波与极紫外光源：面向先进制造与检测的创新方案

方晓东（深圳技术大学） 准分子激光技术进展

官晓春（浙江大学） 掺镱超短光脉冲压缩及其在极紫外阿秒光源中的应用

胡桢麟（中国科学院上海光学精密机械研究所） 固体激光驱动极紫外光源等离子体诊断研究

何 梁（合肥皓宇芯光科技有限公司） 面向极紫外光源光谱检测技术

李艳秋（北京理工大学） 极紫外光学及光刻

李 捷（中国科学院空天信息创新研究院） 高次谐波激光的发展与应用

李 露（深圳技术大学） 相干极紫外光源空间特性研究

李钦明（深圳先进光源研究院） 自由电子激光光源及光学技术

令维军（天水师范大学） 激光技术在集成电路封装中的应用进展

吴梅忆（深圳先进光源研究院） 面向下一代极紫外光刻的掩膜吸收体研发

周楚亮（中国科学院上海光学精密机械研究所） 台式化飞秒激光 X 射线源研究

郑杨子（合肥皓宇芯光科技有限公司） HHG-EUV 光源的工业化进展

赵新彦（南方科技大学） 南科大桌面 LPP EUV 光源进展

持续更新中.....

Invited Talks (In Alphabetical Order)

Deng Hui (Southern University of Science and Technology) |

*Autonomous Manufacturing Process Chain for
Ultra-High-Precision X-Ray Mirrors*

Fan Guangyu (University of Shanghai for Science and Technology)

| *High-Dimensional Soliton-Driven High-Flux
High-Harmonic Generation and Extreme Ultraviolet Light
Sources: Innovative Solutions for Advanced Manufacturing
and Inspection*

Fang Xiaodong (Shenzhen Technology University) | *Progress in*

Excimer Laser Technology

Gong Xiaochun (Zhejiang University) | *Yb-Doped Ultrashort*

*Optical Pulse Compression and Its Application in Extreme
Ultraviolet Attosecond Light Sources*

Hu Zhenlin (Shanghai Institute of Optics and Fine Mechanics,
Chinese Academy of Sciences) | *Research on Plasma*

*Diagnosis of Solid-State Laser-Driven Extreme Ultraviolet
Light Sources*

He Liang (Hefei Haoyu Core Optoelectronic Technology Co., Ltd.)

| *Spectral Detection Technology for Extreme Ultraviolet
Light Sources*

Li Yanqiu (Beijing Institute of Technology) | *Extreme*

Ultraviolet Optics and Lithography

- Li Jie (Aerospace Information Research Institute, Chinese Academy of Sciences) | *Development and Application of High-Order Harmonic Lasers*
- Li Lu (Shenzhen Technology University) | *Research on Spatial Characteristics of Coherent Extreme Ultraviolet Light Sources*
- Li Qinming (Shenzhen Institute of Advanced Light Sources) | *Free-Electron Laser Light Sources and Optical Technologies*
- Ling Weijun (Tianshui Normal University) | *Application Progress of Laser Technology in Integrated Circuit Packaging*
- Wu Meiyi (Shenzhen Institute of Advanced Light Sources) | *Research and Development of Mask Absorbers for Next-Generation Extreme Ultraviolet Lithography*
- Zhou Chuliang (Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences) | *Research on X-ray Sources Driven by Ultrafast Intense Lasers*
- Zheng Yangzi (Hefei Haoyu Xinguang Technology Co., Ltd.) | *Industrialization Progress of HHG-EUV Light Sources*

Zhao Xinyan (Southern University of Science and Technology) |

*Progress of the Tabletop LPP EUV Light Source at Southern
University of Science and Technology*

The list will be updated continuously.

专题八：激光智能制造 Topic 8: Laser Smart

Manufacturing

(激光增材制造、激光微纳加工、激光焊接、激光与物质相互作用等)

(Laser additive manufacturing, laser micro-nano processing,
laser welding, laser-matter interaction, etc)

专题主席：刘敏（广东省科学院）

Session Chair: Liu Min (Guangdong Academy of Sciences)

共主席：姚建华（浙江工业大学）、张文武（中国科学院宁波材料技术与工程研究所）、鲁金忠（扬州大学）、宋波（华中科技大学）、陈烽（西安交通大学）、闫星辰（广东省科学院）

Co-Chairs: Yao Jianhua (Zhejiang University of Technology), Zhang Wenwu (Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences), Lu Jinzhong (Yangzhou University), Song Bo (Huazhong University of Science and Technology), Chen Feng (Xi'an Jiaotong University), Yan Xingchen (Guangdong Academy of Sciences)

秘书：何鹏（松山湖材料实验室）、卢冰文（广东省科学院）、吴小璇（松山湖材料实验室）

Secretaries: He Peng (Songshan Lake Materials Laboratory)

Lu Bingwen (Guangdong Academy of Sciences)

Wu Xiaoxuan (Songshan Lake Materials Laboratory)

邀请报告（音序）：

毕贵军（广东省科学院智能制造研究所） 激光增材制造空间异质结构材料研究

程 亚（华东师范大学） 飞秒非线性光刻在支柱产业的变革应用

曹 晟（暨南大学） 增材制造梯度材料与异构材料制备方法及强塑化机理研究

曹凯强（北京理工大学）

邓 澄（广州技术师范大学） 高性能复合涂层的激光熔化沉积制备与组织性能研究

鲁金忠（扬州大学） 移动式复杂现场环境激光增材制造技术与装备研究进展

李 明（山东大学）

梅雪松（西安交通大学）

梅文辉（合肥芯碁微电子装备股份有限公司） 面向 AI 先进封装的激光直写光刻与超快激光钻孔技术

邱建荣（浙江大学）

宋 波（华中科技大学） 材料-结构-功能一体化增材制造技术

施荣沛（哈尔滨工业大学（深圳）） 金属激光增材制造多尺度集成计算仿真平台的构建及应用

孙桂芳（东南大学） 海上风电金属结构件水下激光增材修复组织性能研究

王启伟（暨南大学） 激光增材制造与再制造技术研究进展及行业应用

谢迎春（山东大学） 激光辅助冷喷涂（LACS）关键技术突破及典型应用

谢小柱（广东工业大学） 超薄均热板的激光制造：机理、工艺与应用

姚建华（浙江工业大学） 新型激光固态相变技术研究进展

闫星辰（广东省科学院新材料研究所） 医用金属增材制造研究与应用

杨亚斌（中山大学） 基于激光增材与机器学习的 TPMS 人工骨弹性模量匹配的逆向设计

杨小君（西安中科微精光子制造科技有限公司） 飞秒激光精密制造技术及应用

张文武（中国科学院宁波材料技术与工程研究所） 难加工材料激光复合加工技术 (Hybrid laser machining of difficult to machine materials)

赵树森（中国科学院半导体研究所） 复合激光调控与制造应用

张向宇（北京理工大学） 精密功能构件超快激光增材制造技术研究
持续更新中.....

Invited Talks (In Alphabetical Order)

Bi Guijun (Institute of Intelligent Manufacturing, Guangdong Academy of Sciences) | *Research on Spatially Heterostructured Materials by Laser Additive Manufacturing*

Cheng Ya (East China Normal University) | *Transformative Applications of Femtosecond Nonlinear Lithography in Pillar Industries*

Cao Sheng (Jinan University) | *Research on Preparation Methods and Strengthening-Toughening Mechanisms of Gradient and Heterogeneous Materials for Additive Manufacturing*

Cao Kaiqiang (Beijing Institute of Technology)

Deng Cheng (Guangzhou Normal University of Technology) | *Preparation, Microstructure and Properties of High-Performance Composite Coatings by Laser Melting Deposition*

Lu Jinzhong (Yangzhou University) | *Research Progress in Mobile Laser Additive Manufacturing Technologies and Equipment for Complex On-Site Environments*

Li Ming (Shandong University)

Mei Xuesong (Xi'an Jiaotong University)

Mei Wenhui (Hefei Chip-Microelectronics Equipment Co., Ltd.)

| *Laser Direct Writing Lithography and Ultrafast Laser
Drilling Technologies for AI Advanced Packaging*

Qiu Jianrong (Zhejiang University)

Song Bo (Huazhong University of Science and Technology) |

*Integrated Additive Manufacturing Technology for
Material-Structure-Function Integration*

Shi Rongpei (Harbin Institute of Technology, Shenzhen) |

*Construction and Application of a Multiscale Integrated
Computational Simulation Platform for Metal Laser
Additive Manufacturing*

Sun Guifang (Southeast University) | *Microstructure and*

*Properties of Underwater Laser Additive Repaired Metal
Structural Components for Offshore Wind Power*

Wang Qiwei (Jinan University) | *Research Progress and*

*Industrial Application of Laser Additive Manufacturing
and Remanufacturing Technology*

Xie Yingchun (Shandong University) | *Key Technological*

*Breakthroughs and Typical Applications of Laser-Assisted
Cold Spray (LACS)*

Xie Xiaozhu (Guangdong University of Technology) | *Laser Manufacturing of Ultra-Thin Vapor Chambers: Mechanisms, Processes and Applications*

Yao Jianhua (Zhejiang University of Technology) | *Research Progress of Novel Laser Solid-State Phase Transformation Technology*

Yan Xingchen (Institute of New Materials, Guangdong Academy of Sciences) | *Research and Application of Additive Manufacturing for Medical Metals*

Yang Yabin (Sun Yat-sen University) | *Inverse Design of Elastic Modulus Matching for TPMS Artificial Bones Based on Laser Additive Manufacturing and Machine Learning*

Yang Xiaojun (Xi'an Zhongke Weijing Photonics Manufacturing Technology Co., Ltd.) | *Femtosecond Laser Precision Manufacturing Technology and Applications*

Zhang Wenwu (Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences) | *Hybrid Laser Machining of Difficult-to-Machine Materials*

Zhao Shusen (Institute of Semiconductors, Chinese Academy of Sciences) | *Composite Laser Control and Manufacturing Applications*

Zhang Xiangyu (Beijing Institute of Technology) | *Research on
Ultrafast Laser Additive Manufacturing Technology for
Precision Functional Components*

The list will be updated continuously.

专题九：光电传感及探测技术与应用 Topic 9:

**Photoelectric Sensing and Detection Technology and
applications**

(光纤传感、激光测距、激光遥感、激光探测等) (Fiber optic sensing,
laser ranging, laser remote sensing, laser detection)

专题主席：董永康（哈尔滨工业大学）

Session Chair: Dong Yongkang (Harbin Institute of Technology)

共主席：胡明列（天津大学）、杨军（广东工业大学）

Co-Chairs: Hu Minglie (Tianjin University), Yang Jun
(Guangdong University of Technology)

秘书：刘思聪（松山湖材料实验室）、苏玉龙（西安电子科技大学）、
谭小波（国防科技大学）、陈晓涌（东莞理工学院）、李天夫（哈尔
滨工业大学）

Secretaries: Liu Sicong (Songshan Lake Materials Laboratory)

Su Yulong (Xidian University)

Tan Xiaobo (National University of Defense Technology)

Chen Xiaoyong (Dongguan University of Technology)

Li Tianfu (Harbin Institute of Technology)

邀请报告（音序）：

巴德欣（哈尔滨工业大学） 光频域反射型传感技术

陈耀飞（暨南大学） 基于金刚石 NV 色心的光纤量子传感技术

郭连波（华中科技大学） 多模态融合激光探针关键技术研发及应用

黄宁博（珠海光恒科技有限公司） 脉冲激光器及其在激光雷达系统中的应用

金 龙（华南师范大学） 光纤声光传感与生物医学成像

金 磊（哈尔滨工程大学）

江 炜（香港科技大学（广州）） 单光子探测器在医学成像上的应用

李传亮（太原科技大学） 激光光谱学在工业中的应用

廖常锐（深圳大学） 基于超快激光 3D 打印的光纤内窥成像技术

罗亦杨（重庆大学） 可控脉冲簇激光及传感应用

李 豪（华中科技大学） 高集成全光纤主动超声换能器及其高分辨成像应用

梅 亮（大连理工大学） 单光子双光梳鬼成像光谱

马维光（山西大学） 腔增强激光吸收/拉曼光谱气体检测技术

汤晓惠（哈尔滨睿科光电科技有限公司） 面向复杂环境电力线路的多模态光纤感知技术：从 OPGW 覆冰融冰到海底电缆状态监测

王鼎臣（澳门科技大学） 面向可穿戴设备的存算一体柔性光芯片

武腾飞（北京长城计量测试技术研究所）

徐小川（哈尔滨工业大学（深圳）） 基于模式工程的超灵敏片上传感器

易 多（深圳大学） 融合多特征与智能学习的光纤 DAS 微弱信号提取方法研究

赵齐来（华南理工大学） 面向航空磁探测的高稳定低噪声单频光纤激光器

持续更新中.....

Invited Talks (In Alphabetical Order)

Ba Dexin (Harbin Institute of Technology) | *Optical Frequency Domain Reflectometry Technology*

Chen Yaofei (Jinan University) | *Fiber-Optic Quantum Sensing Technology Based on Diamond NV Centers*

Guo Lianbo (Huazhong University of Science and Technology) | *Multimodal Fusion Laser Probe Technology and Its Applications*

Huang Ningbo (Zhuhai Guangheng Technology Co., Ltd.) | *Pulsed Lasers and Their Applications in LiDAR Systems*

Jin Long (South China Normal University) | *Fiber Optic Acousto-Optic Sensing and Biomedical Imaging*

Jin Lei (Harbin Engineering University)

Jiang Wei (Hong Kong University of Science and Technology
(Guangzhou)) | *Applications of Single-Photon Detectors in
Medical Imaging*

Li Chuanliang (Taiyuan University of Science and Technology)
| *The absorption spectrum of He₂ and its predissociation
in the near infrared region*

Liao Changrui (Shenzhen University) | *Fiber Optic Endoscopic
Imaging Technology*

Luo Yiyang (Chongqing University) | *Controllable Pulse Burst
Lasers and Their Sensing Applications*

Li Hao (Huazhong University of Science and Technology) | *Highly
Integrated All-Fiber Active Ultrasonic Transducers and
Their High-Resolution Imaging Applications*

Mei Liang (Dalian University of Technology) | *Single-Photon
Dual-Comb Spectroscopy Technology and Its Applications*

Ma Weiguang (Shanxi University) | *Gas Detection Technology
Based on Cavity-Enhanced Laser Absorption/Raman
Spectroscopy*

Tang Xiaohui (Harbin Ruike Optoelectronic Technology Co., Ltd.)
| *Multimodal Fiber Optic Sensing Technology for Power
Lines in Complex Environments: From OPGW Icing and
De-icing to Submarine Cable Condition Monitoring*

Wang Dingchen (Macau University of Science and Technology) |
*Computing-in-Memory Flexible Photonic Chips for Wearable
Devices*

Wu Tengfei (Beijing Great Wall Institute of Metrology and Test
Technology)

Xu Xiaochuan (Harbin Institute of Technology, Shenzhen) |
*Performance Enhancement of Silicon Photonic Sensing
Driven by On-Chip Mode Field Manipulation*

Yi Duo (Shenzhen University) | *Research on Weak Signal
Extraction Method for Fiber Optic DAS Based on
Multi-Feature Fusion and Intelligent Learning*

Zhao Qilai (South China University of Technology) |
*High-Stability Low-Noise Single-Frequency Fiber Lasers
for Aerial Magnetic Detection*

The list will be updated continuously.

专题十：激光在生物医疗中的应用 Topic 10: Laser

Applications in biomedicine

(生物光子学、医用光子学、激光医疗等) (Biophotonics, medical
photonics, laser medicine)

专题主席： 屈军乐 (深圳大学)

Session Chair: Qu Junle (Shenzhen University)

共主席： 常国庆 (中国科学院物理研究所)、魏勋斌 (北京大学)

Co-Chairs: Chang Guoqing (Institute of Physics, Chinese Academy of Sciences), Wei Xunbin (Peking University)

秘书: 李波瑶 (东莞理工学院)、庞利辉 (西安交通大学)

Secretaries: Li Boyao (Dongguan University of Technology)
Pang Lihui (Xi'an Jiaotong University)

邀请报告 (音序):

陈 郁 (福建师范大学) 光学相干层析成像在器官移植中的应用

常国庆 (中国科学院物理研究所) 基于超快光纤激光驱动的五模态
多光子生物医学成像

林 多 (福建师范大学) 基于表面增强拉曼光谱技术的生物传感研
究

梁厚昆 (四川大学) 中红外高功率飞秒激光及选择性消融的研究

刘成波 (中国科学院深圳先进技术研究院) 光声多模态成像与转化
应用

李步洪 (海南大学) 光敏化单线态氧的生物作用机制

罗泽伟 (四川大学) 级联 Ω 形光纤构建循环式细胞传感-光热治疗研
究

刘一州 (山东大学) 面向多模态生物医学成像应用的多波长超快光
纤激光研究

庞利辉 (西安交通大学第一附属医院) 临床需求导向的激光医学关
键技术创新及应用研究

邱海霞（解放军总医院第一医学中心激光医学科） 光动力疗法的临床应用与前沿进展

史祎诗（中国科学院大学） 叠层成像导引及应用

魏勋斌（北京大学临床医学高等研究院） 活体光学流式细胞监测突破循环(肿瘤)细胞检测瓶颈

奚 磊（南方科技大学） 高速光声脑成像

姚翠萍（西安交通大学） 基于高光谱/光声成像的血管靶向光动力治疗参数优化研究

杨思华（华南师范大学） 多维光声显微成像及应用

杨 健（北京理工大学） 手术导航光学定位部件研发与应用

周非凡（海南大学生物医学工程学院） 脑淋巴系统光学监测与调控

赵庆亮（厦门大学） 波前整形与深度神经网络融合驱动的光学相干成像

曾绍群（华中科技大学） 快速精准飞秒激光近视手术仪器与方法
持续更新中.....

Invited Talks (In Alphabetical Order)

Chen Yu (Fujian Normal University) | *Application of Optical Coherence Tomography (OCT) in Organ Transplantation*

Chang Guoqing (Institute of Physics, Chinese Academy of Sciences) | *Five-Mode Multiphoton Biomedical Imaging Driven by Ultrafast Fiber Lasers*

Lin Duo (Fujian Normal University) | *Biosensing Research Based on Surface-Enhanced Raman Spectroscopy*

Liang Houkun (Sichuan University) | *Research on Mid-Infrared High-Power Femtosecond Lasers and Selective Ablation*

Liu Chengbo (Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences) | *Photoacoustic Multimodal Imaging and Its Applications*

Li Buhong (Hainan University) | *Biological Mechanisms of Photosensitized Singlet Oxygen*

Luo Zewei (Sichuan University) | *Cascaded Ω -Shaped Optical Fiber for Cyclic Cell Sensing and Photothermal Therapy*

Liu Yizhou (Shandong University) | *Research on Multi-Wavelength Ultrafast Fiber Lasers for Multimodal Biomedical Imaging Applications*

Pang Lihui (The First Affiliated Hospital of Xi'an Jiaotong University) | *Clinical Demand-Oriented Innovation and Application Research of Key Laser Medical Technologies*

Qiu Haixia (Chinese PLA General Hospital (301 Hospital)) | *Frontiers in Clinical Applications of Photodynamic Therapy*

Shi Yishi (University of Chinese Academy of Sciences) |

Introduction to ptychographic imaging and its applications

Wei Xunbin (Academy for Advanced Interdisciplinary Studies, Peking University Health Science Center) | *In Vivo Optical*

Flow Cytometry Breaks the Detection Bottleneck of Circulating Tumor Cells

Xi Lei (School of Biomedical Engineering, Southern University of Science and Technology) | *Photoacoustic Brain Imaging*

Yao Cuiping (Xi'an Jiaotong University) | *Research on Parameter Optimization of Photodynamic Therapy Based on Hyperspectral/Photoacoustic Imaging*

Yang Sihua (South China Normal University) | *Multidimensional Photoacoustic Microscopy and Its Applications*

Yang Jian (Beijing Institute of Technology) | *Research and Development of Optical Positioning Components for Surgical Navigation and Their Applications*

Zhou Feifan (Hainan University) | *Applied Research on Non-invasive Phototherapy Regulating Lymphatic System to Improve Cognitive Impairment in Alzheimer's Disease*

Zhao Qingliang (Xiamen University) | *Optical Coherence Tomography Driven by Fusion of Wavefront Shaping and Deep Neural Networks*

Zeng Shaoqun (Huazhong University of Science and Technology) | *Fast and Precise Femtosecond Laser Myopia Surgery Instruments and Methods*

The list will be updated continuously.

PART 06 参会报名 Registration for Participation

1. 会议费标准 Conference Fee Standard

代表类型 Delegate Type	缴费时间 Payment Time	
	5月10日前(含) On or before May 10	5月10日后 After May 10
会议代表 Conference Delegate	1800 元/人 1800 RMB/person	2000 元/人 2000 RMB/person
会员代表、学生代表(学生凭证) Member Delegate & Student Delegate (with student ID)	1400 元/人 1400 RMB/person	1600 元/人 1600 RMB/person

特别提醒：会议费标准按缴费时间区分，不按注册时间区分。

Special Note: The conference fee is based on the payment date,

not the registration date.

包含内容：会议资料+会务自助午餐+参观

Included: Conference materials + Buffet Lunch + Tour

2. 报名缴费流程 (Registration and Payment Process)

请于 2026 年 5 月 31 日前扫描下方二维码报名注册参会，缴纳注册费并提交发票信息。

Please scan the QR code below to complete conference registration, pay the registration fee, and submit invoice information on or before May 31, 2026.



3. 相关要求 (Relevant Requirements)

本次大会将根据举办地实际情况，适时调整会议规模及会议形式，如因个人原因未能参会者，注册费不予退回，可由他人代替参会。

In accordance with the actual local conditions of the host city, the organizing committee reserves the right to adjust the scale and format of the conference in a timely manner. For participants who are unable to attend due to personal reasons,

the registration fee is non-refundable, while attendance substitution is permitted.

PART 07 投稿指南 Submission Guidelines

(一) 投稿须知 (Submission Instructions)

1. 论坛接受口头报告和张贴报告投稿。
2. 请准备 500 字的中文报告摘要，投稿口头报告时请附报告人简介、照片和相关成果。口头报告评优环节，相同作者奖项不兼得。（请务必以 PDF/DOC/DOCX 形式 将摘要提交至系统，推荐使用附件的投稿模板。）注：口头报告的投稿摘要模板请至“投稿系统”内下载。
3. 张贴报告需要参会代表使用背胶纸喷绘（彩色或黑白）在会议现场指定位置张贴，张贴报告尺寸统一为宽度 0.8 m，高度 1.4 m，5 月 30 日之前将海报上传至系统。张贴海报评优环节，同一海报奖项不兼得。（张贴报告的制作模板请至“投稿系统”内下载）。
4. 作者需注册参会并按照日程安排出席文章报告。
5. 摘要审稿结果将通过邮件通知作者。

1. The forum accepts submissions for oral presentations and poster presentations.

2. Please prepare a 500-word Chinese abstract for the report. For oral presentation submissions, please attach the speaker's biography, photo and relevant academic achievements. In the oral presentation excellence evaluation process, the same

author shall not receive multiple awards simultaneously.

(Please be sure to submit the abstract to the system in PDF/DOC/DOCX format, and the attached submission template is recommended.) Note: The abstract template for oral presentation submissions is available for download in the Submission System.

3. For poster presentations, participants shall print the poster on self-adhesive paper (color or black and white) and post it at the designated location on the conference site. The unified standard size of the poster is 0.8 m in width and 1.4 m in height. Please upload the poster file to the system before May 30. In the poster excellence evaluation process, the same poster shall not receive multiple awards simultaneously. (The production template for poster presentations is available for download in the Submission System.)

4. Authors must complete the official conference registration and attend the scheduled report presentation in accordance with the conference agenda.

5. The abstract review results will be notified to the authors via email.

(二) 大会官网 (Official Conference Website)

<https://www.alat.com.cn/index.php/world/index.html>

(三) 投稿网址 (Submission Website)

<https://alat.laserfair.com/index/user/login.html>

(四) 投稿截止日期 (Submission Deadline)

2026 年 5 月 30 日 23:59:59 (23:59:59, May 30, 2026)

PART 08 酒店预订 Hotel Reservation

星级 Star Rating	酒店名称 Hotel Name	房型 Room Type	每晚房价 (含税和服务费) Nightly Rate (Including Tax and Service Charge)	早餐 Breakfast	地址 Address
五星 5-Star	深圳国际会 展中心希尔 顿酒店 Hilton Shenzhen World Exhibition & Convention Center	高级大床 房/高级 双床房 Superior King Room / Superior Twin Room	600 元/晚/间 CNY 600 per room per night	双早 With Two Breakfasts	广东省深圳市 宝安区展丰路 80 号(国展北 地铁站 C2 口) No. 80 Zhanfeng Road, Bao'an District, Shenzhen, Guangdong Province (Exit C2, Guozhan North Metro Station)
四星 4-Star	深圳国际会 展中心希尔 顿花园酒店 Hilton Garden Inn Shenzhen World Exhibition &	高级大床 房/高级 双床房 Superior King Room / Superior Twin Room	450 元/晚/间 CNY 450 per room per night	双早 With Two Breakfasts	广东省深圳市 宝安区展景路 85 号(国展北 地铁站 C2 口) No. 85 Zhanjing Road, Bao'an

	Convention Center				District, Shenzhen, Guangdong Province (Exit C2, Guozhan North Metro Station)
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主办方已议定了以上优惠价格。须于订房截止日期 2026 年 5 月 30 日前预订房间方可享受此优惠价格，优惠价格仅适用于预订 6 月 10 日至 6 月 12 日的房间。

The above preferential rates are negotiated by the Organizing Committee. The preferential rates are only available for bookings made on or before the booking deadline of May 30, 2026, and are exclusively applicable to room reservations for the period from June 10 to June 12.



希尔顿酒店订房二维码
600 元/晚/间

Hilton Shenzhen World Exhibition
World
& Convention Center
Booking QR Code
CNY 600 per room per night



希尔顿花园酒店订房二维码
450 元/晚/间

Hilton Garden Inn Shenzhen
Exhibition & Convention Center
Booking QR Code
CNY 450 per room per night

PART 09 联系方式 Contact Information

1. 松山湖材料实验室 (Songshan Lake Materials Laboratory)

联系人: 王楠、何鹏

Contact: Wang Nan、He Peng

联系电话: 13510513052、15101531051

Contact number: 13510513052、15101531051

邮箱: wangnan@sslslab.org.cn、hfirst@163.com

Email: wangnan@sslslab.org.cn、hfirst@163.com

2. 广东省激光行业协会、深圳市激光智能制造行业协会 (Guangdong Laser Industry Association、Shenzhen Laser Intelligent Manufacturing Industry Association)

联系人: 苏楚惠、林小楠

Contact: Su Chuhui、Lin Xiaonan

联系电话: 13602330190、15012648401

Contact number: 13602330190、15012648401

邮箱: gdlaser@laserfair.com、szlaser@laserfair.com

Email: gdlaser@laserfair.com、szlaser@laserfair.com

广东省激光行业协会

Guangdong Laser Industry Association

2026年5月22日

May 23, 2026