HPLSE 2023

The 5th International Symposium on High Power Laser Science and Engineering & Celebrating the 10th Anniversary of Journal HPLSE

October 16-19, 2023 Suzhou, China

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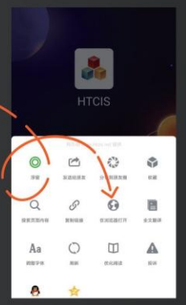

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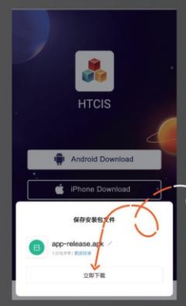

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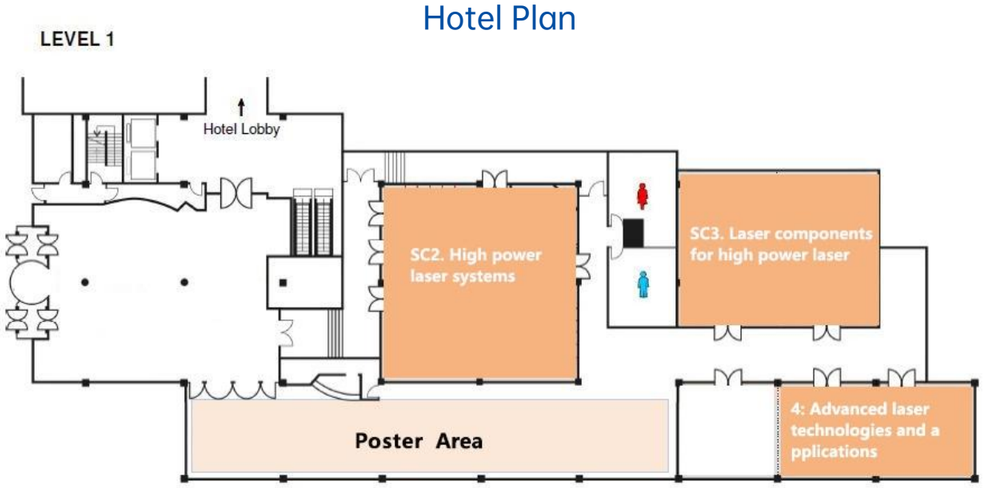
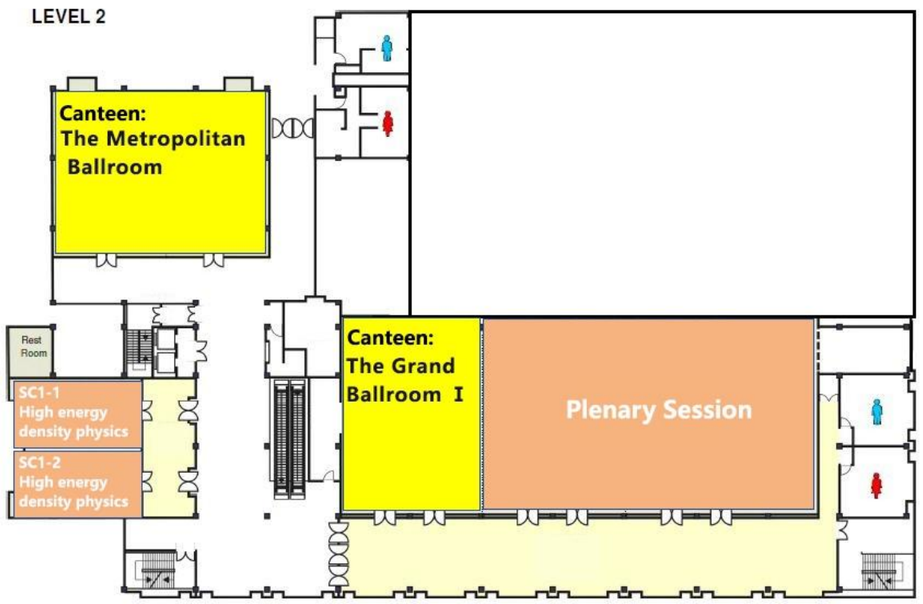
Conference Schedule

	October 16	October 17	October 18	October 19	Location
Registration	09:30-20:00	07:30-19:30	08:00-18:00	08:00-14:00	Lobby, 1F
研究生科技论文写作基本技巧	19:00-20:30				Auditorium Room, 1F
Opening & Plenary Session		08:30-11:20	08:30-11:05		The Grand Ballroom, 2F
1-1. High energy density physics		13:30-17:40	13:30-15:55	08:30-11:45	VIP lounge Ⅱ, 2F
1-2. High energy density physics		13:30-17:40	13:30-16:15	08:30-11:35	VIP lounge Ⅰ, 2F
2. High power laser systems		13:30-18:00	13:30-15:55	08:30-17:10	Auditorium Room, 1F
3. Laser components for high power laser		13:30-17:50	13:30-16:10	08:30-10:05	Jian Shan Room, 1F
4. Advanced laser technologies and applications		13:30-18:00	13:30-16:25	08:30-15:25	Zhui Yun Room, 1F
Poster Session			16:00-17:30		1F
Banquet			18:00-20:30		The GrandBallroom, 2F

Hotel Plan





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Topic 2. High power laser systems

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Topic 3. Laser components for high power laser

Dongxia Hu
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Topic 4. Advanced laser technologies and applications

Jing Hou
National University of Defense Technology, China (Chair)

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Min Chen, Shanghai Jiao Tong University, China (Co-Chair)
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General Information

Conference Venue: Shangri-La Hotel, Suzhou
Addresss: 168 Ta Yuan Road, Suzhou New District, Jiangsu Province, 215011, China

Speaker Preparation

Oral, invited speakers should arrive the session room 30 min prior to your talk to upload and check you slides.All presentation should be in English.

Presentation types are noted as following in agenda:

- for plenary talk (40 min)
- for invited talk (25 min)
- for oral talk (15 min)

Poster Preparation

Authors are required to stand by their poster during the poster session for discussion. Please make sure to print your mobile tel. and email in the poster, because the conference staff will contact the winner of Best Poster Awards, which will be selected on-site the poster session.

Poster session: Wednesday, October 18, 16:00-17:30
Poster board size: 0.96 m wide × 2.35 m high, recommended poster size: 0.8m * 1.4 m
Set-up time: Wednesday, October 18
Poster presenters are responsible to remove their poster, the conference staff will not collect the posters left at the end of the poster session.

Please note that any no-show paper will NOT be published or indexed.

Tips

- Volunteers and staffs are in fluorescent green T-shirts. You can go to registration desk or the CLP service center if you need any help.
- The meal tickets are printed with badge, please go to the restaurant according to the time and location written in tickets.

There are two restaurants for distribution.
Metropolitan Ballroom, 2F
Grand Ballroom, 2F

HPLSE 2023

CONCURRENT EVENTS

Free

专家讲座

研究生科技论文写作基本技巧

19:00-20:30

2023年10月16日

1楼演讲厅

苏州香格里拉大酒店

主讲人 | 刘诚 研究员

中国科学院
上海光学精密机械研究所

内容简介

我国的研究生培养规模近年来显著扩大，研究生正逐渐成为撰写科技论的主要力量，且同过去相比，科技期刊的种类和数量也快速增加。如何选择合适的期刊将自己的科研工作进行准确及时的报道及如何撰写高质量的学位论文，正成为广大研究生同学的一个关注重点。本讲座将从科技论文种类、论文主要组分、论文投稿、论文审稿和论文修改稿等几个方面，针对近年来研究生学位论文评审和期刊论文审稿中所发现的一些典型问题，从题目、摘要、引言、正文和结论等层面，用具体事例进行有针对性分析并给出相关建议。

主讲人简介

刘诚，上海光机所研究员，博士生导师，主要从事光学成像与检测等方面的研究。研究工作获得国家自然科学基金、中科院专项、国家重大科技专项等经费支持并获得多项省部级科技奖励。培养博士研究生12人和硕士研究生20余人，以第一作者和通讯作者发表 SCI论文一百二十余篇。

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详细信息

Opening & Plenary Session Ⅰ

The Grand Ballroom, 2F
October 17, 2023

Presider: Xuechun Li, Shanghai Institute of Optics and Fine Mechanics, CAS, China

08:30-08:40	Opening Remarks
08:40-08:50	HPLSE Outstanding Contribution Award

Presider: Jianqiang Zhu, Shanghai Institute of Optics and Fine Mechanics, CAS, China

08:50-09:30	Experimental confirmation of high neutron yield in the hybrid-drive scheme at 100 kJ laser facility (Plenary Talk) Xian-Tu He China Academy of Engineering Physics, China
09:30-10:10	The 10 PW laser system at ELI-NP (Plenary Talk) Ioan Dancus ELI-NP, Romania
10:10-10:40	Group Photo & Coffee Break
10:40-11:20	Generation of high average power XUV laser (Plenary Talk) Zhiyi Wei Institute of Physics, CAS, China

Plenary Session Ⅱ

The Grand Ballroom, 2F
October 18, 2023

Presider: Baifei Shen, Shanghai Normal University, China

08:30-08:33	HPLSE Editor-in-Chief Choice Award
08:33-08:50	Award for the Excellent Article for HPLSE 10th Anniversary

Presider: Stefan Weber, Extreme Light Infrastructure ERIC, ELI Beamlines Facility, Czech Republic

08:50-09:30	Future for Inertial Fusion Energy in Europe: A roadmap (Plenary Talk) Dimitri Batani University of Bordeaux, France
09:30-10:10	Strong field light-matter interactions explored with a multi-PW laser (Plenary Talk) Chang Hee NAM Gwangju Institute of Science and Technology, Republic of Korea
10:10-10:25	Coffee Break
10:25-11:05	Research on direct drive laser facilities and key technologies (Plenary Talk) Jianqiang Zhu Shanghai Institute of Optics and Fine Mechanics, CAS, China

1-1. High energy density physics

VIP lounge Ⅱ, 2F
October 17, 2023

Presider: Baifei Shen, Shanghai Normal University, China

13:30-13:55	Proton acceleration in the relativistically induced transparency regime at DRACO-PW surpassing the 100 MeV frontier (Invited Talk) Tim Ziegler, Dresden University of Technology, Germany
13:55-14:20	Recent progresses of laser plasma based electron acceleration and radiation at Shanghai Jiao Tong university (Invited Talk) Min Chen, Shanghai Jiao Tong University, China
14:20-14:45	Brilliant femtosecond-laser-driven hard X-ray flashes from carbon nanotube plasma (Invited Talk) Wenjun Ma, Peking University, China
14:45-15:00	Electromagnetically induced transparency in strongly relativistic regime (Oral) Tiehuai Zhang, Beijing National Laboratory for Condensed Matter Physics, Institute of Physics, China HPLSE2023-2023-000001
15:00-15:15	HDC-CH Target Designs to Mitigate Hydrodynamic Instabilities Growth in Inertial Confinement Fusion (Oral) Xiumei Qiao, Institute of applied physics and computational mathematics, China HPLSE2023-2023-000061
15:15-15:30	Coffee Break

Presider: Wenjun Ma, Peking University, China

15:30-15:55	Optimization of secondary sources using ultra high intensity few cycles shortwave laser pulses (Invited Talk) Emmanuel d'Humieres, CELI, Bordeaux University, France
15:55-16:20	Generation of energetic proton beam by expanding nozzle acceleration (Invited Talk) Masa Murakami, Osaka University, Japan
16:20-16:45	Simulation and experimental studies on vortex-laser-driven collimated proton acceleration (Invited Talk) Wenpeng Wang, Shanghai Institute of Optics and Fine Mechanics, CAS, China
16:45-17:10	Control of high-current relativistic electron beam and its applications (Invited Talk) Taiwu Huang, Shenzhen Technology University, China
17:10-17:25	A point Ignition target design for Octahedral Spherical hohlraums (Oral) Yongsheng Li, Institute of Applied Physics and Computational Mathematics, China HPLSE2023-2023-000089
17:25-17:40	Numerical simulations on the implosions of Double-Cone Ignition scheme using program MULTI-2D (Oral) Fuyuan Wu, Shanghai Jiao Tong University, China HPLSE2023-2023-000103

1-1. High energy density physics

VIP lounge Ⅱ, 2F
October 18, 2023

Presider: Min Chen, Shanghai Jiao Tong University, China

13:30-13:55	Growth and angular momentum transportation of the two-plasmon decay instability driven by a twisted light (Invited Talk) Rui Yan, University of Science and Technology of China, China
13:55-14:10	Spherical convergent effect of Rayleigh-Taylor instability at the fuel inner interface during the coasting phase ("Shenguang" International Forum for Graduate Students-Oral) Yangyi Lei, Shanghai Jiao Tong University, China HPLSE2023-2023-000033
14:10-14:25	Formation of hot spots at the edge of an isochoric fuel for Fast Ignition ("Shenguang" International Forum for Graduate Students-Oral) Zekun Xu, Institute of Physics, CAS, China HPLSE2023-2023-000030
14:25-14:40	Two-dimensional radiation hydrodynamic simulations of highspeed head-on collisions between high-density plasma jets ("Shenguang" International Forum for Graduate Students-Oral) Mengqi Yang, Shanghai Jiao Tong University, China HPLSE2023-2023-000097
14:40-14:55	Angular Radiation Spectra in Nonlinear Compton Scattering of Relativistic Electrons with Intense Laser Pulses ("Shenguang" International Forum for Graduate Students-Oral) Ziqiang Shao, School of Physics, Harbin Institute of Technology, China HPLSE2023-2023-000159
14:55-15:10	Coffee Break

Presider: Rui Yan, University of Science and Technology of China, China

15:10-15:25	A new calibration method for low-afterglow gated neutron time-of-flight spectrometer ("Shenguang" International Forum for Graduate Students-Oral) Xiao Su, Shanghai Jiao Tong University, China HPLSE2023-2023-000136
15:25-15:40	Experimental investigation of laser ablated hydrodynamic instability at late driving period ("Shenguang" International Forum for Graduate Students-Oral) Yu Dai, University of Chinese Academy of Sciences, China HPLSE2023-2023-000174
15:40-15:55	A new method of energy discrimination of charged particles with CR39 ("Shenguang" International Forum for Graduate Students-Oral) Jinglong Li, Shanghai Jiao Tong University, China HPLSE2023-2023-000162
15:55-17:30	Poster Session
18:00-20:30	Banquet

1-1. High energy density physics

VIP lounge Ⅱ, 2F
October 19, 2023

Presider: Hang Li, Laser Fusion Research Center, CAEP, China

08:30-08:55	Hydrodynamic Equations of Two-Ion species Plasmas in Relevant to Laser Fusion (Invited Talk) Jian Zheng, University of Science and Technology of China, China
08:55-09:20	TBD (Invited Talk) Stefan Weber, Extreme Light Infrastructure ERIC, ELI Beamlines Facility, Czech republic
09:20-09:45	Studies on Laser Plasma Parametric Instabilities and Their Mitigation for ICF (Invited Talk) Zhengming Sheng, Shanghai Jiao Tong University, China
09:45-10:00	Impact of spatially periodic inhomogeneities on the photon-induced pair creation (Oral) Miao Jiang, China University of Mining and Technology, China HPLSE2023-2023-000095
10:00-10:15	Backward scattering of laser plasma interactions from hundreds-of-joules broadband laser on thick target (Oral) Peipei Wang, Shanghai Institute of laser plasma, China HPLSE2023-2023-000110
10:15-10:30	Coffee Break

Presider: Zhengming Sheng, Shanghai Jiao Tong University, China

10:30-10:55	Simulation and assessment of material mixing in an indirect-drive implosion with a hybrid fluid-PIC code (Invited Talk) Hongbo Cai, Institute of Applied Physics and Computational Mathematics, China
10:55-11:20	TBD (Invited Talk) Yongtao Zhao, Xi'an Jiaotong University, China
11:20-11:45	Applying magnetic field to suppress the plasma filling in vacuum hohlraum (Invited Talk) Hang Li, Laser Fusion Research Center, CAEP, China
11:45-13:30	Lunch

1-2. High energy density physics

VIP lounge Ⅰ, 2F
October 17, 2023

Presider: Weimin Wang, Renmin University of China, China

13:30-13:55	Strong laser driven vortex gamma photonuclear reactions and dense polarized positron source (Invited Talk) Jianxing Li, Xi'an Jiaotong University, China
13:55-14:20	Recent Progress of the SEL Facility and Strong-Field QED Physics in SIOM (Invited Talk) Lianliang Ji, Shanghai Institute of Optics and Fine Mechanics, CAS, China
14:20-14:45	Positron generation via photon-photon collisions in dense laser-irradiated plasmas (Invited Talk) Alexey Arefiev, University of California,SanDiego, USA
14:45-15:00	Undepleted Direct Laser Acceleration (Oral) Talia Meir, Tel Aviv University, Israel HPLSE2023-2023-000003
15:00-15:15	Measurement of stimulated Raman side-scattering dependence on laser energy in Direct-Drive experiments (Oral) Kevin Glize, Shanghai Jiao Tong University, China HPLSE2023-2023-000009
15:15-15:30	Coffee Break

Presider: Lianliang Ji, Shanghai Institute of Optics and Fine Mechanics, CAS, China

15:30-15:55	Laser-driven high-flux neutron generator (Invited Talk) Bin Qiao, Peking University, China
15:55-16:20	Polarization dynamics in strong-field QED physics (Invited Talk) Yanfei Li, Xi'an Jiaotong University, China
16:20-16:45	Real-time visualization of fast-electron femtosecond dynamics in ultraintense laser-foil interactions (Invited Talk) Guoqian Liao, Institute of Physics, CAS, China
16:45-17:10	Efficient generation of bright gamma-rays and dense positrons in plasmas (Invited Talk) Xinglong Zhu, Shanghai Jiao Tong University, China
17:10-17:25	Recent Results of Laser-driven Protons Acceleration based on Optimized SG-Ⅱ PW & 5PW Laser Facility (Oral) Honghai An, Shanghai Institute of Laser Plasma, China HPLSE2023-2023-000116
17:25-17:40	Collisional Heating and Probing of Highly-Magnetized Over-Dense Plasma with Optical Lasers (Oral) Kun Li, Shantou University, China HPLSE2023-2023-000072

1-2. High energy density physics

VIP lounge Ⅰ, 2F
October 18, 2023

Presider: Zhengyan Li, Huazhong University of Science and Technology, China

13:30-13:55	Dynamic plasma control (Invited Talk) Shigeo Kawata, Utsunomiya University, Japan
13:55-14:20	Intense laser-driven Terahertz generation and applications (Invited Talk) Yutong Li, Institute of Physics CAS, China
14:20-14:45	Subrelativistic laser driven attosecond electron pulse generation and coherent surface plasmon polariton amplification (Invited Talk) Ye Tian, Shanghai Institute of Optics and Fine Mechanics, CAS, China
14:45-15:10	High Charge electron acceleration for nuclear applications (Invited Talk) Liming Chen, Shanghai Jiao Tong University, China
15:10-15:25	Coffee Break

Presider: Yutong Li, Institute of Physics CAS, China

15:25-15:50	Three-dimensional spatiotemporal characterization of coherent optical fields for intense laser plasma interactions (Invited Talk) Zhengyan Li, Huazhong University of Science and Technology, China
15:50-16:15	Recent progress on ultrafast diagnosis technology and its applications in XIOPM (Invited Talk) Jinshou Tian, Xi'an Institute of Optics and Precision Mechanics of CAS, China
16:15-17:30	Poster Session
18:00-20:30	Banquet

1-2. High energy density physics

VIP lounge Ⅰ, 2F
October 19, 2023

Presider: Xueqing Yan, Peking University, China

08:30-08:55	TBD (Invited Talk) Wei Lu, Tsinghua University, China
08:55-09:20	TBD (Invited Talk) Amit D. Lad, Tata Institute of Fundamental Research, India
09:20-09:45	Laser plasma Accelerator and radiation-induced cancer Vaccine (Invited Talk) Xueqing Yan, Peking University, China
09:45-10:10	High-Field Physics on Dual-Beam Ultrafast High-Power Lasers at SJTU (Invited Talk) Wenchao Yan, Shanghai Jiao Tong University, China
10:10-10:25	Coffee Break

Presider: Wei Lu, Tsinghua University, China

10:25-10:50	TBD (Invited Talk) Chen Lin, Peking University, China
10:50-11:05	Enhanced α particle generation via proton-boron fusion in laser-ablated plasma (Oral) Yihang Zhang, Institute of Physics, CAS, China HPLSE2023-2023-000161
11:05-11:20	Three compact real-time diagnostics for electrons, ions and x-ray photons (Oral) Shunhui Zong, Shantou University, China HPLSE2023-2023-000092
11:20-11:35	Collisional Heating and Probing of Highly-Magnetized Over-Dense Plasma with Optical Lasers (Oral) Q. Z. Lv, Max-Planck-Institut für Kernphysik, Germany HPLSE2023-2023-000179
11:35-13:30	Lunch

2. High power laser systems

Auditorium Room, 1F
October 17, 2023

Presider: Xuechun Li, Shanghai Institute of Optics and Fine Mechanics, CAS, China

13:30-13:55	Research on Coherent Addition of High-Power Lasers (Invited Talk) Shunxing Tang, Shanghai Institute of Optics and Fine Mechanics, CAS, China
13:55-14:20	Zetawatt Equivalent Ultrashort-pulse laser System (ZEUS) at University of Michigan (Invited Talk) Bixue Hou, University of Michigan, USA
14:20-14:45	Launching the Operation Phase for the Few-Cycle High Average Power Lasers of ELI-ALPS (Invited Talk) Adam Borzsonyi, ELI-ALPS, Hungary
14:45-15:00	The issues of wide-bandwidth high-power laser based on discrete multi-color combination (Oral) Yao Ke, Research Center of Laser Fusion, China HPLSE2023-2023-000060
15:00-15:15	Precision temporal pulse control of high power lasers (Oral) Zhaoyu Zong, Laser Fusion Research Center, CAEP, China HPLSE2023-2023-000081
15:15-15:30	Coffee Break

Presider: Dong Mao, Northwestern Polytechnical University, China

15:30-15:55	Single-shot spatiotemporal measurement of ultrashort pulses and its application in ultrafast laser plasma diagnosis (Invited Talk) Ping Zhu, Shanghai Institute of Optics and Fine Mechanics, CAS, China
15:55-16:20	Femtosecond optical parametric oscillators for generating chirped or transform-limited optical pulses (Invited Talk) Zhaowei Zhang, Huazhong University of Science and Technology, China
16:20-16:45	Recent Advances in Picosecond-petawatt Laser System of the SG-II-UP Facility (Invited Talk) Youen Jiang, Shanghai Institute of Optics and Fine Mechanics, CAS, China
16:45-17:10	Development of 1J / 100Hz / 25fs Ti:Sa laser system based on Thales new diode pump solid state laser. Introduction of the latest results delivering output energy close to 1J. (Invited Talk) Alexandre MONNET, Thales, France
17:10-17:35	High-power Mid-infrared ultrafast fiber lasers (Invited Talk) Chunyu Guo, Shenzhen University, China
17:35-18:00	Demonstration of high temporal contrast performance of the J-KAREN-P petawatt laser facility Hiromitstu Kiriyama, Kansai Institute for Photon Science, National Institutes for Quantum (Invited Talk) Science and Technology, Japan

2. High power laser systems

Auditorium Room, 1F
October 18, 2023

Presider: Minglie Hu, Tianjin University, China

13:30-13:55	Ultrafast lasers for high-repetition-rate VUV sources (Invited Talk) Zhigang Zhao, Shandong University, China
13:55-14:10	Impact of weak end-facet reflections on the SRS threshold of high-power fiber oscillators and amplifiers ("Shenguang" International Forum for Graduate Students-Oral) Qi Chen, National University of Defense Technology, China HPLSE2023-2023-000185
14:10-14:25	High power mJ-level femtosecond Yb-fiber laser based on coherent combining ("Shenguang" International Forum for Graduate Students-Oral) Zhuo Shi, Institute of Physics, CAS, China HPLSE2023-2023-000052
14:25-14:40	Super Quasi-parametric amplification beyond gain bandwidth limit ("Shenguang" International Forum for Graduate Students-Oral) Yanfang Zhang, Shanghai Jiao Tong University, China HPLSE2023-2023-000074
14:40-14:55	Study on amplification characteristics of square vortex beams ("Shenguang" International Forum for Graduate Students-Oral) Yanhua Tang, Xihua University, China HPLSE2023-2023-000114
14:55-15:10	Coffee Break

Presider: Minglie Hu, Tianjin University, China

15:10-15:25	Power scaling on high-brightness random-distributed-feedback fiber lasers pumped by multimode diodes ("Shenguang" International Forum for Graduate Students-Oral) Xiulu Hao, National University of Defense Technology, China HPLSE2023-2023-000155
15:25-15:40	Second Harmonic Generation of Incoherent Light Pulse on LBO Crystal ("Shenguang" International Forum for Graduate Students-Oral) Qi Zhang, Shanghai Institute of Laser Plasma, Chinese Academy of Engineering Physics, China HPLSE2023-2023-000164
15:40-15:55	Experimental investigation of stimulated Raman scattering effect in high-power nanosecond superfluorescent fiber source ("Shenguang" International Forum for Graduate Students-Oral) Chaoyu Ning, Institute of Semiconductors, CAS, China HPLSE2023-2023-000034
15:55-17:30	Poster Session
18:00-20:30	Banquet

2. High power laser systems

Auditorium Room, 1F
October 19, 2023

Presider: Xiaoyan Liang, Shanghai Institute of Optics and Fine Mechanics, CAS, China

08:30-08:55	Intense THz pulse generation by femtosecond laser filamentation (Invited Talk) Weiwei Liu, Nankai University, China
08:55-09:20	High-power pulsed laser and its application (Invited Talk) Xuechun Lin, Institute of Semiconductors, CAS, China
09:20-09:45	Recent progress on high-power mid-infrared fiber lasers (Invited Talk) Wei Shi, Tianjin University, China
09:45-10:10	Vulcan facility laser upgrade (Invited Talk) Pedro Oliveira, UKRI, UK
10:10-10:25	Coffee Break

Presider: Zhaowei Zhang, Huazhong University of Science and Technology, China

10:25-10:50	Coherent beam combining of high power fiber lasers (Invited Talk) Pu Zhou, National University of Defense Technology, China
10:50-11:15	Recent progress and applications of SULF-10PW laser in SIOM (Invited Talk) Lianghong Yu, Shanghai Institute of Optics and Fine Mechanics, CAS, China
11:15-11:40	Recent progress in spatiotemporal mode-locked multimode fiber lasers (Invited Talk) Xiaosheng Xiao, Beijing University of Posts and Telecommunications, China
11:40-12:05	TBD (Invited Talk) Jianfeng Li, University of Electronic Science and Technology of China, China
12:05-13:30	Lunch

2. High power laser systems

Auditorium Room, 1F
October 19, 2023

Presider: Yanqing Zheng, Ningbo University, China

13:30-13:55	Single-shot characterization for pulse contrast up to 10 (Invited Talk) Jingui Ma, Shanghai Jiao Tong University, China
13:55-14:20	TBD (Invited Talk) Panzheng Zhang, Shanghai Institute of Optics and Fine Mechanics, CAS, China
14:20-14:45	Pursuing larger pulse energy in fiber lasers (Invited Talk) Luming Zhao, Huazhong University of Science and Technology, China
14:45-15:10	TBD (Invited Talk) Houkun Liang, Sichuan University, China
15:10-15:25	Coffee Break

Presider: Luming Zhao, Huazhong University of Science and Technology, China

15:25-15:50	TBD (Invited Talk) Pengqian Yang, Shanghai Institute of Optics and Fine Mechanics, CAS, China
15:50-16:15	TBD (Invited Talk) Guanshi Qin, Jilin University, China
16:15-16:40	Transverse mode degradation in high power fiber lasers and its influence on applications (Invited Talk) Rumao Tao, Laser Fusion Research Center, China Academy of Engineering Physics, China
16:40-16:55	Thermal problems of high-repetition rate SBS pulse compression in liquid media (Oral) Hongli Wang, North University of China, China HPLSE2023-2023-000178
16:55-17:10	Laser performance status of the Integration Test Bed (Oral) Junpu Zhao, Laser Fusion Research Center, CAEP, China HPLSE2023-2023-000112

3. Laser components for high power laser

Jian Shan Room, 1F
October 17, 2023

Presider: Hongfei Jiao, Tongji University, China

13:30-13:55	2D-smoothing of laser beam fluctuations in four grating compressor (Invited Talk) Efim Khazanov, Gaponov-Grekhov Institute of Applied Physics of the Russian Academy of Sciences, Russia
13:55-14:20	Polarization Control Technology for High Power Laser Applications (Invited Talk) Jun Zhang, China Academy of Engineering Physics, China
14:20-14:45	Damage mechanism and preparation technology of thin films applied in high power continuous laser (Invited Talk) Hongfei Jiao, Tongji University, China
14:45-15:00	Analysis of Grating Surface Contamination in Chirped Pulse Amplification System (Oral) Yuhai Li, China Academy of Engineering Physics, China HPLSE2023-2023-000087
15:00-15:15	Dry Removal of tritium contaminated Sol-gel Anti-reflective film based on Ion beam etching (Oral) Xiaolong Jiang, China Academy of Engineering Physics, China HPLSE2023-2023-000016
15:15-15:30	Coffee Break

Presider: Jinlong Zhang, Tongji University, China

15:30-15:55	Optics for ultrafast lasers (Invited Talk) Vladimir Pervak, Ludwig Maximilians University, Germany
15:55-16:20	Design, fabrication and application of anti-resonant hollow core fiber (Invited Talk) Yingying Wang, Jinan University, China
16:20-16:45	Volume Bragg gratings in photo-thermo-refractive glass and applications in high power lasers (Invited Talk) Xiao Yuan, Soochow University, China
16:45-17:10	Long-Distance Propagation of Self-rotating Beam through Atmosphere (Invited Talk) Zheqiang Zhong, Sichuan University, China
17:10-17:35	Pushing the Limits: Achieving High Efficiency and Power in Laser Diodes (Invited Talk) Guowen Yang, DoGain Core Optoelectronics Technology, China
17:35-17:50	High Efficiency Fourth Harmonic Generation and Polarization Smoothing Based on Orthogonal Cascade of DKDP crystals (Oral) Xiangxu Chai, China Academy of Engineering Physics, China HPLSE2023-2023-000058

3. Laser components for high power laser

Jian Shan Room, 1F
October 18, 2023

Presider: Yuxi Fu, Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences, China

13:30-13:55	Lasers in diamond-toward higher power and various wavelength (Invited Talk) Zhenxu Bai, Hebei University of Technology, China
13:55-14:20	Improving the laser-induced damage threshold of coatings from the perspective of materials and defects (Invited Talk) Meiping Zhu, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, China
14:20-14:45	Research and development of UV laser glasses with high laser damage resistance for laser fusion applications (Invited Talk) Pengfei Wang, Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences, China
14:45-15:00	Residual Stress Modeling of CO2 Laser-Treated Fused Silica from Changes of Fictive Temperature with Unknown Thermal History (Oral) Chuanchao Zhang, China Academy of Engineering Physics, China HPLSE2023-2023-000037
15:00-15:15	Coffee Break

Presider: Zhenxu Bai, Hebei University of Technology, China

15:15-15:40	Research progress on advanced surface post-process technology of fused silica optics for high power solid-state laser facility (Invited Talk) Jin Huang, China Academy of Engineering Physics, China
15:40-15:55	Multi-direction dynamic wavefront modulations based on optical Kerr effect for ultrafast beam smoothing and polarization randomizing ("Shenguang" International Forum for Graduate Students-Oral) Hao Xiong, Sichuan University, China HPLSE2023-2023-000170
15:55-16:10	Study on Small - Size Laser Damage Repairing Process of Fused Silica Optics ("Shenguang" International Forum for Graduate Students-Oral) Dongyang Qiao, National University of Defense Technology, China HPLSE2023-2023-000090
16:10-17:30	Poster Session
18:00-20:30	Banquet

3. Laser components for high power laser

Jian Shan Room, 1F
October 19, 2023

Presider: Jin Huang, China Academy of Engineering Physics, China

08:30-08:55	High power and ultrafast laser around 900 nm based on Nd3+ doped silica fiber (Invited Talk) Lili Hu, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, China
08:55-09:20	Strong mid-infrared femtosecond laser (Invited Talk) Yuxi Fu, Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences, China
09:20-09:35	Progress on DKDP crystals for high power laser system application (Oral) Guokai Hao, Shandong University, China HPLSE2023-2023-000057
09:35-09:50	Transient Study on Fused Silica Surface Damage Caused by Dielectric Particle Contaminant in High Power Laser System (Oral) Rongqi Shen, Nanjing Forestry University, China HPLSE2023-2023-000094
09:50-10:05	Vacuum decontamination promotion effect on the transmittance and laser-induced damage of fused silica optics with sol-gel film (Oral) Longfei Niu, China Academy of Engineering Physics, China HPLSE2023-2023-000032

4. Advanced laser technologies and applications

Zhui Yun Room, 1F
October 17, 2023

Presider: Jing Hou, National University of Defense Technology, China

13:30-13:55	High-energy and high-power cryogenic lasers for photon science facilities (Invited Talk) Mikhail Pergament, Center for Free-Electron Laser Science CFEL & Deutsches Elektronen-Synchrotron DESY, Germany
13:55-14:20	High-repetition-rate 52-mJ mid-infrared laser source based on ZnGeP2 MOPA system (Invited Talk) Chuanpeng Qian, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, China
14:20-14:45	Mid-infrared coherent fiber source (Invited Talk) Jianfeng Li, University of Electronic Science and Technology of China, China
14:45-15:00	Enhancement of longitudinal mode characteristic of quantum cascade laser by high-order tilted asymmetric surface grating (Oral) Ying Liu, China Academy of Engineering Physics, China HPLSE2023-2023-000023
15:00-15:15	Energetic Materials and Tungsten Alloys Interface Machining with Femtosecond Laser (Oral) Jingxuan Wang, China Academy of Engineering Physics, China HPLSE2023-2023-000012
15:15-15:30	Coffee Break

Presider: Zhiyi Wei, Institute of Physics, Chinese Academy of Sciences, China

15:30-15:55	Toward 100 W and 10 mJ femtosecond Yb all-solid-state amplifier (Invited Talk) Jiangfeng Zhu, Xidian University, China
15:55-16:20	A VUV light source with micron beam spot (Invited Talk) Chaofan Zhang, National University of Defense Technology, China
16:20-16:45	Line shape control in ultrafast XUV transient absorption spectroscopy (Invited Talk) Peng Peng, ShanghaiTech University, China
16:45-17:10	High power optical frequency comb with 10-19 frequency instability (Invited Talk) Hainian Han, Institute of Physics, Chinese Academy of Sciences, China
17:10-17:35	Recent Development and Future Prospects in Power Scaling of Er-doped Sesquioxide Ceramics at ~3 μm (Invited Talk) Deyuan Shen, Jiangsu Normal University, Xuzhou, China
17:35-18:00	71 mJ High beam quality middle infrared ZnGeP2 MOPA system Pumped by a Ho:YAG Laser (Invited Talk) Jing Liu, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, China

4. Advanced laser technologies and applications

Zhui Yun Room, 1F
October 18, 2023

Presider: Xisheng Ye, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, China

13:30-13:55	High-power ultrafast 2 μm oscillator (Invited Talk) Weichao Yao, Ruhr-Universität Bochum, Germany
13:55-14:20	100-W mode-locked thin-disk oscillator (Invited Talk) Jinwei Zhang, Huazhong University of Science and Technology, China
14:20-14:45	Development of High-power Solid-state Deep Ultraviolet and Vacuum Ultraviolet Laser (Invited Talk) Hongwen Xuan, GBA branch of Aerospace Information Research Institute, Chinese Academy of Sciences, China
14:45-15:00	A laser-induced fluorescence diagnostic proposed for Tokamak EAST (Oral) Bili Ling, Hefei Institutes of Physical Science, Chinese Academy of Sciences, China HPLSE2023-2023-000069
15:00-15:15	Coffee Break

Presider: Jinwei Zhang, Huazhong University of Science and Technology, China

15:15-15:40	High power narrow-linewidth simple MOPA fiber laser seeded by a fiber oscillator (Invited Talk) Zefeng Wang, National University of Defense Technology, China
15:40-15:55	High peak power random fiber laser and broadband frequency conversion ("Shenguang" International Forum for Graduate Students-Oral) Xinxing Liu, Shanghai Jiao Tong University, China HPLSE2023-2023-000068
15:55-16:10	Bidirectional output all-fiberized linear-cavity fiber laser with record high power of 8 kW ("Shenguang" International Forum for Graduate Students-Oral) Jiaqi Liu, National University of Defense Technology, China HPLSE2023-2023-000067
16:10-16:25	Active spectrum tailoring of in-amplifier mid-infrared supercontinuum generation ("Shenguang" International Forum for Graduate Students-Oral) Yukun Yang, National University of Defense Technology, China HPLSE2023-2023-000158
16:25-17:30	Poster Session
18:00-20:30	Banquet

4. Advanced laser technologies and applications

Zhui Yun Room, 1F
October 19, 2023

Presider: Chuanpeng Qian, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, China

08:30-08:55	Nonlinear dynamics of breathers in mode-locked lasers (Invited Talk) Junsong Peng, East China Normal University, China
08:55-09:20	LD-pumped high average power high beam quality monolithic fiber lasers (Invited Talk) Baolai Yang, National University of Defense Technology, China
09:20-09:45	High-energy multi-beam Brillouin combination laser at high repetition frequency (Invited Talk) Yulei Wang, Hebei University of Technology, China
09:45-10:00	CO-filled hollow-core fiber lasers operating at 4.64-4.82 μm (Oral) Xuanxi Li, National University of Defense Technology, China HPLSE2023-2023-000156
10:00-10:15	Heavily Yb-doped silica fiber for 1-μm ultra-short cavity fiber laser application (Oral) Qiubai Yang, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, China HPLSE2023-2023-000139
10:15-10:30	Coffee Break

Presider: Junsong Peng, East China Normal University, China

10:30-10:55	High energy, single frequency pulsed Er,Yb co-doped fiber amplifier (Invited Talk) Pingxue Li, Beijing University of Technology, China
10:55-11:20	Recent Development of Optically Pumped Metastable Noble Gas Lasers (Invited Talk) Zining Yang, National University of Defense Technology, China
11:20-11:45	Research progress in 2-micron thulium doped oscillators (Invited Talk) Weijun Ling, Gansu All Solid-State Laser Engineering Research Center, China
11:45-12:10	The development of all-fiber structured, high-power, mid-infrared super-continuum laser sources (Invited Talk) Peilong Yang, Ningbo University, China
12:10-13:30	Lunch

Presider: Zining Yang, National University of Defense Technology, China

13:30-13:55	Phase modulation and demodulation approach for high power single frequency lasers (Invited Talk) Yan Feng, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, China
13:55-14:20	Research progress and application of fiber combiner (Invited Talk) Zilun Chen, National University of Defense Technology, China
14:20-14:45	Progress on mid-infrared solid-state lasers (Invited Talk) Ligang Yuan, North China Research Institute of Electro-Optics, China
14:45-15:10	Research on short-infrared and middle-infrared solid-state lasers based on nonlinear frequency conversion (Invited Talk) Gaoyou Liu, Shandong University, China
15:10-15:25	Research on hundred-watt-level thin disk regenerative amplifier and its key technologies (Oral) Qi Xiao, Shanghai Institute of Optics and fine Mechanics, Chinese Academy of Science, China HPLSE2023-2023-000163

Poster Session

1. High energy density physics

HPLSE2023-2023-000021	Model analysis on the hotspot formation and fusion burning in a precompressed plasma with an isochoric configuration Meiqiao Wang[1];Zekun Xu[2];Fuyuan Wu[3];Jie Zhang[3*] 1.University of Chinese Academy of Sciences;2.Institute of Physics, Chinese Academy of Sciences;3.Shanghai Jiaotong University
HPLSE2023-2023-000024	Correction method of diffraction effect caused by high power laser transmission in optical system Wang Yanbin[1*] 1.State Key Laboratory of Complex Electromagnetic Environment Effects on Eletronics and Information System
HPLSE2023-2023-000035	A Device to Measure Preionization Electron Density of UV-Preionization Excimer Lasers Yangyang Liu[1];Xingyue Sun[1];Junping Zhao[1*] 1.XI'AN JIAOTONG UNIVERSITY
HPLSE2023-2023-000036	Theoretical simulation of discharge kinetics in XeCl excimer laser xingyue sun[1];yangyang liu[1];junping zhao[1*] 1.XI'AN JIAOTONG UNIVERSITY
HPLSE2023-2023-000073	Energy distributions of pairs in ultra-intensity laser-electron collisions Ming Zi[1*] 1.College of Science, National University of Defense Technology
HPLSE2023-2023-000082	Micro-sized high-energy X-ray source: from generation to radiography of implosion process in ICF Chao Tian[1*] 1.Laser fusion research center
HPLSE2023-2023-000100	Bridge the gap of double-cone ignition experiments with different fusion materials by transfer learning Qianlei Du[1,2];Fuyuan Wu[1,2*];Jie Zhang[1,2*] 1.Collaborative Innovation Center of IFSA, Shanghai Jiao Tong University;2.Key Laboratory for Laser Plasmas (MOE) and School of Physics and Astronomy, Shanghai Jiao Tong University
HPLSE2023-2023-000115	Bubble structure evolution and electron injection controlled by optical cycles in wakefields Song Liu[1*] 1.National University of Defense Technology

2. High power laser systems

HPLSE2023-2023-000020	Numerical Investigations of the Second-harmonic Generation for a 100 J, 1 Hz Nd:glass Laser in a Large-aperture DKDP Crystal Zhou Song[1];Chai Xiangxu[1];Wang Guanzhong[1];Li Ping[1];Peng Zhitao[1];Cui Xudong[2] 1.Laser Fusion Research Center, China Academy of Engineering Physics;2.Institute of Chemical Materials, China Academy of Engineering Physics
HPLSE2023-2023-000055	A novel beam pointing accuracy measured method for high-power laser device Xiaolu Zhang[1] 1.Research Center of Laser Fusion,CAEP
HPLSE2023-2023-000063	High-power high-repetition-rate Nd:YAG nanosecond slab laser amplifier Cheng-gong Zhang[1];Xue-yan Dong[1*];Quan-hao Chen[1];Xing-wei Yan[1];Zi-lei Liu[1];Hao-zhu Wang[1] 1.Institute of Optical Physics and Engineering Technology, Qilu Zhongke, Jinan, Shandong, 250000, China
HPLSE2023-2023-000071	High power and high beam quality quasi-continuous-wave pumped slab laser Haozhu Wang[1];Xueyan Dong[1*];Quanhao Chen[1];Xingwei Yan[1];Zilei Liu[1];Chenggong Zhang[1] 1.Institute of Optical Physics and Engineering Technology, Qilu Zhongke, Jinan, Shandong, 250000, China
HPLSE2023-2023-000080	2.1 μm High Peak Power Linearly Polarized Dissipative Soliton Resonance Pulse Zhao Desheng[1];Zhang Bin[2];Zhu Xiran[1];Bu Yuanzhuang[1];Yang Xiaoning[1];Hou Jing[1*] 1.College of Advanced Interdisciplinary Studies, National University of Defense Technology;2.College of Advanced Interdisciplinary Studies, National University of Defense Technolog

HPLSE2023-2023-000085	Optical computing enhanced wavefront sensing based on cascaded phase modulation layers Gang Luo[1];Yuanchao Geng[1*];Wanguo Zheng[2];Dongxia Hu[1];Qiang Yuan[1];Deen Wang[3] 1.Research Center of Laser Fusion, China Academy of Engineering Physics;2.the Research Center of Laser Fusion, China Academy of Engineering Physics;3.Research Center of Laser Fusion, China Academy of Engineering Physics
HPLSE2023-2023-000091	Research on Stability of Cryogenic Target System Ziming Dong[1,2];Jianqiang Zhu[1*];Zhigang Liu[1];Wei Fan[1] 1.Joint Laboratory on High Power Laser and Physics, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Science, Shanghai 201800, China;2.University of Chinese Academy of Science, Beijing 100049, China
HPLSE2023-2023-000099	Model and application of close-range coupling propagation of large aperture laser amplifiers Yenan Zhang[1];Jiangfeng Wang[1*];Xinghua Lu[1] 1.Shanghai Institute of Optics and Fine Mechanics,Chinese Academy of Sciences
HPLSE2023-2023-000102	UNet-based Framework for Predicting the Waveform of Laser Pulses of Front-end Chained System in Current High-power Laser Facility Yuzhen Liao[1];Xiaoxia Huang[1];Yuanchao Geng[1];Dongxia Hu[1*] 1.the Research Center of Laser Fusion, China Academy of Engineering Physics
HPLSE2023-2023-000107	Second-Harmonic Generation of High-Intensity Light Waves Under the Influence of Cubic Nonlinearity Ziming Sun[1];Wei Fan[1];Dajie Huang[1] 1.Shanghai Institute of Optics and Fine Machanics
HPLSE2023-2023-000121	Research on Characteristics of Multi-Dimensional Polarization Smoothing Yanghui Tang[1];Shenlei Zhou[1];Shouying Xu[1];Cheng Liu[1] 1.Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences
HPLSE2023-2023-000165	High power multiple mirrors optical path design and simulation of Photo-neutralization Huihui Hong[1];Lizheng Liang[1];Yuanlai Xie[1*] 1.Institute Of Plasma Physics Chinese Academy Of Sciences, Hefei Institutes of Physical Science, Chinese Academy of Sciences
HPLSE2023-2023-000177	Microsecond-pulse 1319 nm single-frequency output based on a Nd:YAG multi-folded Innoslab amplifier Liu Huayu[1];Qi Bian[1*];Bo Yong[2] 1.Technical Institute of Physics and Chemistry of the Chinese Academy of Sciences;2.Technical Institute of Physics and Chemistry, Chinese Academy of Sciences
HPLSE2023-2023-000181	A Thermal Control System for CCD in Vacuum Environment Yanjia Zhang[1];Zhiyuan Ren[1];Jianqiang Zhu[2*] 1.Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences;2.Shanghai Institue of Optics and Fine Mechanics, Chinese Academy of Sciences
HPLSE2023-2023-000186	Transverse mode instability suppression through spectral optimization Qi Chen[1];PengFei Ma[1,2,3*];YiSha Chen[1,2];Wei Liu[1,2,3*];ZeFeng Wang[1,2,3] 1.College of Advanced Interdisciplinary Studies, National University of Defense Technology;2.Nanhu Laser Laboratory, National University of Defense Technology;3.Hunan Provincial Key Laboratory of High Energy Laser Technology, National University of Defense Technology

3. Laser components for high power laser

HPLSE2023-2023-000056	Research of Automatic Final Optics Classification Method Based on Multi-layer Neural Network Xueyan Hu[1];Wei Zhou[1];Huaiwen Guo[1];Xiaoxia Huang[2];Zhao Bowang[1];Qihua Zhu[1];Zhifei Chen[1*] 1.Laser Fusion Research Center;2.laser fusion research center
HPLSE2023-2023-000079	Ultraviolet spectral broadening by stimulated rotational Raman scattering in nitrogen pumped by two-color laser Xiangbing Wang[1];Xiangxu Chai[1*];Ping Li[1];Song Zhou[1];Bo Zhang[1];Qihua Zhu[1];Xiaocheng Tian[1];Ju Wang[1];Zhaoyu Zong[1] 1.Laser Fusion Research Center, China Academy of Engineering Physics, Sichuan, Mianyang 621900, China
HPLSE2023-2023-000117	Degradation analysis of the performance of optically addressable liquid crystal spatial light modulators based on 1064 nm continuous laser spot irradiation of different diameters Zhilan Han, Wei FanShanghai Institue of Optics and Fine Mechanics, Chinese Academy of Sciences
HPLSE2023-2023-000141	Wavefront aberrations measurement of freeform surface based on computer-generated hologram technology Wei Xiaohong[1] 1.Research Center of Laser Fusion, China Academy of Engineering Physics
HPLSE2023-2023-000147	Study on Polarization Temperature Dependence of Large Mode Field Reverse Polarization Maintaining Fiber Coupler Runze Long[1];Kun Zhang[1];Tong Wu[1];Hong Zhao[1] 1.No.11th Research Institute of China Electronics Technology Group Corporation
HPLSE2023-2023-000160	Nanosecond ultraviolet laser induced damage of ultrathin transparent polymers for high power laser system tianyu Ye[1];Liu[1];Shi[1];Yan Liang[1];Zijian Cui[1];Zhaoyang Jiao[1];Mingying Sun[1*];Jianqiang Zhu[1] 1.Shanghai Institute of Optics and Fine Mechanics
HPLSE2023-2023-000166	Design and fabrication of dichroic filters with reduced absorption for spectral beam combining Zhao Qiao[1,2*];Junhui Die[1,2];Bingcheng Xiong[1,2];Yunti Pu[1,2];Jinyong Huang[1,2];Ping Ma[1,2] 1.Chengdu Fine Optical Engineering Research Center;2.Laser Fusion Research Center, China Academy of Engineering Physics
HPLSE2023-2023-000172	Development of Thin-Disk Gain Medium Based on Photoadhesion Technology Zuqiang Li[1];Qi Xiao[1*];Xue Pan[1*];Xinghua Lu[1];Jiangfeng Wang[1];Youen Jiang[1];Wei Fan[1];Xuechun Li[1*];Jianqiang Zhu[1] 1.Key Laboratory of High Power Laser and Physics, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, Shanghai 201800, China

4. Advanced laser technologies and applications

HPLSE2023-2023-000014	Study of parallel fiber bragg gratings inscribed by femtosecond direct writing method and its sensing application Xiangfei Zhu[1];Baiyi Wu[1*];Hao Li[1];Binyu Rao[1];Chenhui Gao[1];Meng Wang[1];Zefeng Wang[1*] 1.National University Of Defense Technology
HPLSE2023-2023-000022	High-power single-mode terahertz quantum cascade lasers with DFB gratings Jiawen Luo[1];Tao Jiang[1];Zhiqiang Zhan[1];Xuemin Wang[2*];Qi Yang[1];Fengwei Chen[1];Ruijiao Zou[1];Jia Li[1];Yong Zeng[1];Weidong Wu[1] 1.China academy of engineering physics;2.China academy of engineering physics
HPLSE2023-2023-000065	Application of acetone planar laser induced fluorescence technology in density distribution measurements of gas puff load Guqiang Wu[1] 1.Xi'an Jiaotong University
HPLSE2023-2023-000070	Experimental and theoretical study of a flowing-gas Cs laser with a disc-type vapor cell Guofei An[1*] 1.Southwest Institute of Technical Physics
HPLSE2023-2023-000075	A co-simulation method for flowing diode pumped alkali lasers Jiao Yang[1];Guofei An[1];You Wang[1*] 1.Southwest Institute of Technical Physics
HPLSE2023-2023-000084	EPOCH (PIC) Simulations for Enhanced Laser-Driven Electron Acceleration in Wakefield Systems RASHID UL HAQ[1] 1.National Laboratory on High Power Laser and Physics, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, Shanghai 201800, China.
HPLSE2023-2023-000086	LD pumped SESAM mode-locked Tm: CaGdAlO4 laser Jiayu Ding[1,2,3];Weijun Ling[1,2,3];Jinfang Yang[1,2,3];Tangzheng Sun[1,2,3];Shuting Ren[1,2,3];Jingrong Tan[1,2,3];Hao Xu[1,2,3] 1.Gansu All Solid-State Laser Engineering Research Center;2.Engineering Research Center of Integrated Circuit packaging and testing, Ministry of Education;3.School of Electronic Information and Electrical Engineering, Tianshui Normal University
HPLSE2023-2023-000119	Deep-learning-based high-resolution recognition of rotating interference images in vortex beam interferometry Sun[1];Yilin Yao[1];Yu Xie[1*];Yuanchao Geng[1];Wenyi Wang[1] 1.Research Center of Laser Fusion

HPLSE2023-2023-000122	Deep-UV laser radiation generated from infrared laser using a single KD2PO4 crystal Zijian Cui[1*];Yiqun SHI[1];Wenfeng Liu[1];Chao Wang[2];Mingying Sun[1];De'an Liu[1];Jianqiang Zhu[1] 1.Shanghai Institute of Optics and Fine Mechanics,Chinese Academy of Science;2.Beijing Academy of Quantum Information Sciences
HPLSE2023-2023-000124	A Laboratory Receiver Prototype for 2.4Gbps Photons Communication fan yang[1] 1.Nanjing University
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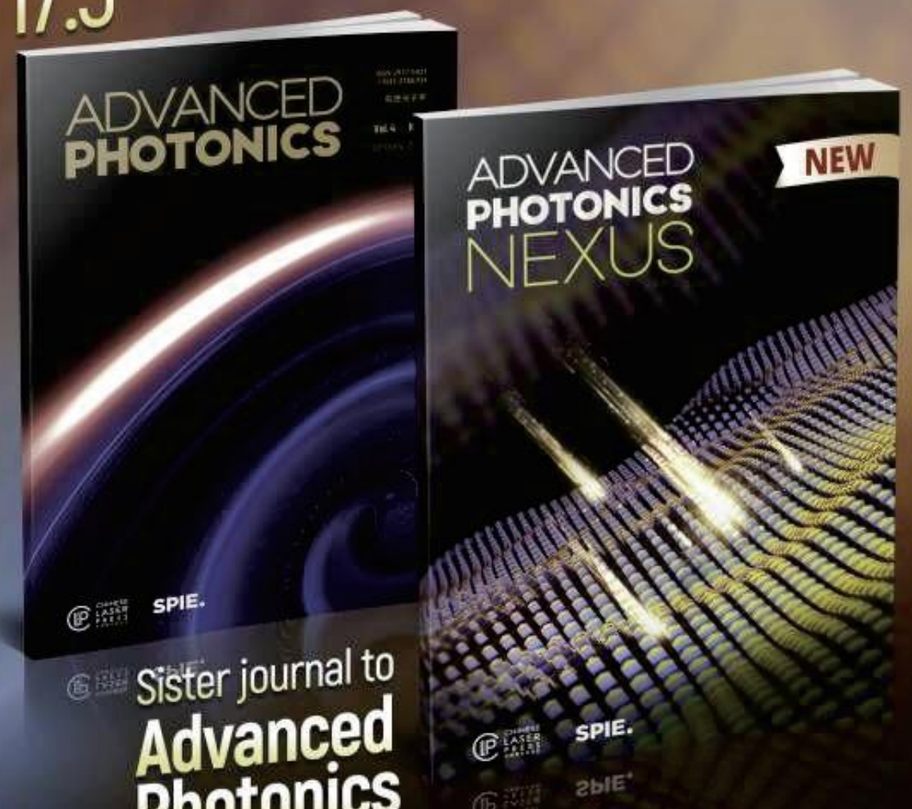

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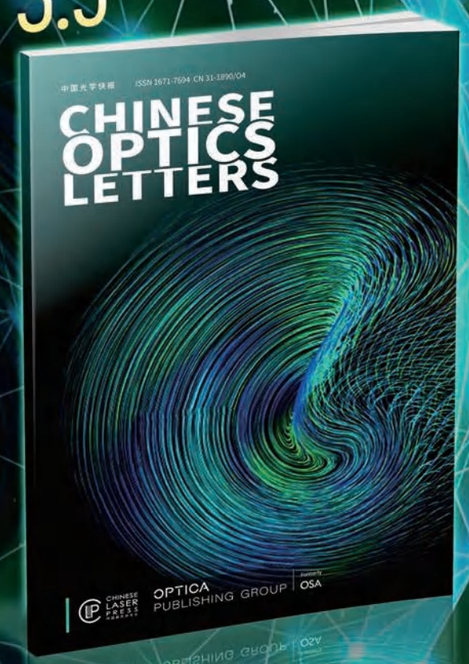

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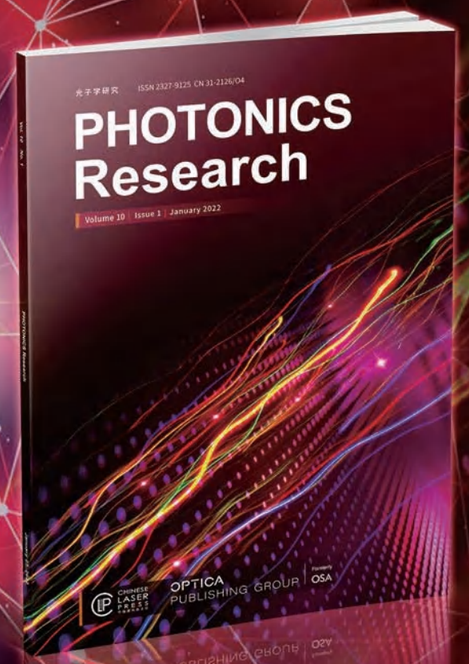

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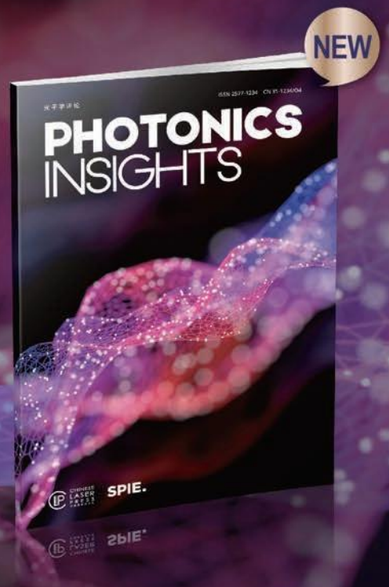

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