

Program of Pacific Rim Laser Damage Conference 2025

Sep.23(Tuesday)		
	13:30-19:00	Check in & registartion
	19:00-20:30	Dinner
	20:30	Welcome reception
Sep.24(Wednesday)		
	8:40-	Opening
	8:50-9:40	Shao Jianda (Plenary) Shanghai Institute of Optics and Fine Mechanics,Chinese Academy of Sciences <i>"Pushing High-Power Diffraction Grating Boundaries for Extreme Lasers"</i>
	9:40-10:10	Efim Arkadievich Khazanov (Invited) Russian Academy of Sciences <i>"How space-time coupling reduces probability of optical damage of diffraction gratings in femtosecond lasers"</i>
	10:10-10:40	Gabriel Bleotu (Invited) Extreme Light Infrastructure — Nuclear Physics (ELI-NP) <i>"Subthreshold LIDT for the furhter development of Extreme Light Infrastructures"</i>
	10:40-11:10	Group photo and Coffee
	11:10-11:40	Zhaoyang Li (Invited) Shanghai Optoelectronics Science and Technology Innovation Center <i>"Beyond 100 Petawatt Laser and Related Technology Developments"</i>
	11:40-12:00	Yu Chen Shanghai Institute of Optics and Fine Mechanics,Chinese Academy of Sciences <i>"Ultra-broadband mirrors for ultrafast and ultra-intense laser sciences"</i>
	12:00-12:20	Zhaoyang Jiao Shanghai Institute of Optics and Fine Mechanics,Chinese Academy of Sciences <i>"Research on complex nonlinear propagation effects of modulated beams and control technology in high power laser facility"</i>
	12:20-13:50	Lunch (Forest Villa)
	13:50-14:20	Vitaly E. Gruzde (Invited) ITMO University, School of Physics and Engineering, Research and Educational Center for Photonics and Optical IT <i>"Modeling of ultrashort-pulse laser interactions with optical coatings: current status, challenges, gaps, and solutions"</i>
	14:20-14:40	Ping Han Shanghai Institute of Ceramics, Chinese Academy of Sciences <i>"Mechanism of impurity content on the degradation and damage characteristics of calcium fluoride crystals by X-ray and deep-ultraviolet laser irradiation"</i>
	14:40-15:10	Mingying Sun (Invited) Shanghai Institute of Optics and Fine Mechanics,Chinese Academy of Sciences <i>"UV performance of SGII-UP high power laser facility"</i>
	15:10-15:30	Weili Zhang and Kun Wang Shanghai Institute of Optics and Fine Mechanics,Chinese Academy of Sciences <i>"Continuous-wave and pulsed laser-induced damage performance of HfO₂ /SiO₂ films at 266 nm"</i>
	15:30-16:00	Coffee
	16:00-16:20	Mengxia Wang

		Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences <i>"The damage mechanism of fused silica under 193nm laser irradiation"</i>
16:20-16:50	Yasuhiro Miyasaka (Invited) QST kansai <i>"Multishot damage thresholds of metals and photoacoustic spectroscopy diagnostic technique"</i>	
16:50-17:20	Mingxia Xu and Xun Sun (Invited) Shandong University <i>"The damage mechanism of fused silicon under 193nm laser irradiation"</i>	
17:20-17:40	Xinshang Niu and Hongfei Jiao Shanghai Institute of Ceramics, Chinese Academy of Sciences <i>"High-Damage-Threshold 355nm Anti-Reflective Fused Silica Nanostructured Device Fabricated via Electron-Beam Lithography and Step-and-Flash Nanoimprinting"</i>	
17:40-18:00	Hongkai Ren and Wenyong Cheng Shandong University <i>"Growth and Temperature Properties of the Phase-Matching Angle of 23% Deuterated ADP Crystal"</i>	
19:00-20:30	Dinner	
Sep.25(Thursday)		
8:40-9:30	Shinji Motokoshi (Plenary) Institute for Laser Technology <i>"Database on LIDTs of optics and their testings in Japan"</i>	
9:30-10:00	C.W. Carr (Invited) National Ignition Facility & Photon Science (NIF&PS) <i>National Ignition Facility & Photon Science</i>	
10:00-10:30	Yurina Michine (Invited) Inst. Laser Science, UEC <i>"High power gas optics"</i>	
10:30-11:00	Coffee	
11:00-11:30	Ioan Dancus (Invited) Horia Hulubei National Institute of Physics and Nuclear Engineering <i>"Extreme Light Infrastructure - Nuclear Physics - status update"</i>	
11:30-12:00	Jinlong Zhang and Jingjing Xia (Invited) Shanghai Institute of Ceramics, Chinese Academy of Sciences <i>"Achieving High Laser-Induced Damage Threshold and Structural Stability in Metasurfaces via Interface Engineering"</i>	
12:00-12:20	Yesheng Lu Shanghai Institute of Ceramics, Chinese Academy of Sciences <i>"Design and Fabrication of broad band ultra-steep linear variable filter"</i>	
12:20-13:50	Lunch (Forest Villa)	
13:50-15:00	Poster Session Presenter: Genki Onoda, Rhotaro Takahashi, Rhotaro Nakashima, Ning Jia, Yang Li, Satoshi Ikeda, Ryoichi Akiyoshi, Shogo Hashimoto	
15:00-15:30	Katsuhiro Mikami (Invited) Kindai Univ. <i>"Variation of Laser-Induced Damage Threshold by Voltage Application"</i>	
15:30-16:00	Brahim Elouadi (Invited) Professor Brahim Elouadi of La Rochelle Université, Invited Professor at Mohammed-5 University, ENSAM-Rabat	

		<i>"Approach of Unexpected Transitions in Eulytite Phosphate Sr3Y(PO4)3:Ba2+-Yb3+ by Laser Spectroscopy and Dielectric Measurements"</i>
16:00-16:30	Coffee	
16:30-17:00	Humbet NASIBLI (Invited)	National Metrology Institute, The Scientific and Technological Research Council of Türkiye <i>"Metrology Techniques for High-Power Laser Components"</i>
17:00-17:20	Yafei Lian	Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences <i>"Nonlinear Absorption Modulation in Sub-Nanosecond Laser-Conditioned DKDP Crystals"</i>
17:20-17:40	Chong Shan	Shanghai Institute of Ceramics, Chinese Academy of Sciences <i>"Nanosecond laser-induced surface damage growth and its mechanism of single crystal CaF2 (111) at 193nm"</i>
17:40-	break	
18:30-20:30	Banquet	
Sep.26(Friday)		
8:20-8:50	Hitoki Yoneda (Invited)	Inst. Laser Science, UEC <i>"Long life test for high power laser optics"</i>
8:50-9:00	Closing	Excursion departure: 9:45 AM Sightseeing in Nikko Arrival at hotel: 5:00 PM
19:00-20:30	Dinner	