Short Presentations for Poster Session 1 and 2 Date: June 11, Main Hall

	Poster No.	Submission No.	LPM or HPL	Poster Session	Student	one-page slide submission	Last name	First name	Presentation title
1	P-46	C000301	HPL2025	Poster Session 2		No Submission	Kikuchi	Toshifumi	Estimation of temporal temperature distribution in blue laser welding of copper using thermal radiation imaging
2	P-47	C000268	HPL2025	Poster Session 2		1	Ohkubo	Tomomasa	1-Dimensional Numerical Simulation at the Laser Irradiated Point in Selective Laser Thermoregulation System
3	P-48	C000279	HPL2025	Poster Session 2	1	1	Maeda		Experimental investigation of the denudation zone in Ti-6Al-4V fabrication by powder bed fusion using blue diode Laser
4	P-49	C000319	HPL2025	Poster Session 2		1	Yamashita		Effect of Multi-Spot Laser Irradiation on Crack Suppression in Metal Formation using Laser Metal Deposition
5	P-50	C000026	HPL2025	Poster Session 2		1	Tokuda		High-attenuation and polarization-independent beam sampling technique based on evanescent light coupling
6	P-85	C000011	HPL2025	Poster Session 2		No Submission	Yang	Guowei	Laser production of clean energy by laser bubbling in liquids
7	P-52	C000185	LPM2025	Poster Session 2	1	1	Watanabe	Shunto	Interferometric measurement of ultrasound generated by femtosecond laser pulses focused on a glass surface
8	P-53	C000269	LPM2025	Poster Session 2	1	1	Ogata	Kei	Observation of laser-generated ultrasound using pump-probe digital holography
9	P-54	C000310	LPM2025	Poster Session 2	1	1	Fujiki	Hiromu	In-line measurement of laser-processed shapes using optical interferometry and feedback control of shaped beams
10	P-55	C000035	LPM2025	Poster Session 2	1	1	Yang		Qualification of an automatic laser beam focus monitoring implemented on a new ultrashort pulsed laser robot system
11	P-56	C000161	LPM2025	Poster Session 2	1	No Submission	Kim	Ji Hun	Study on non-contact temperature measurement using optical wavefront in a laser-induced heating system
12	P-57	C000311	LPM2025	Poster Session 2	1	1	Iwasaki	Daiki	Decoration of amyloid beta aggregation with elongating microtubule for optical microscopy
13	P-59	C000113	LPM2025	Poster Session 2	1	1	Takaichi	Takeshi	Assessment of cell type by statistical analysis of the white-light scattering spectrum of living cells
14	P-60	C000206	LPM2025	Poster Session 2	1	1	Ueda		Wound healing assay using high-power picosecond microchip laser and low numerical aperture objective lens
15	P-61	C000273	LPM2025	Poster Session 2	1	1	Oe		White-light scattering spectroscopy for intracellular structural analysis using a microfluidic platform
16	P-62	C000274	LPM2025	Poster Session 2	1	1	Nakata		White-light scattering spectrum measurement for machine learning diagnosis of cells in cytology specimens
17	P-65	C000112	LPM2025	Poster Session 2	1	No Submission	Takahashi	Koichi	In-system optimization of computer-generated holograms using laser-induced plasma emission
18	P-68	C000048	LPM2025	Poster Session 2	1	1	Yamaguchi	Naoto	One-step fabrication of graphitic carbon structure with an insulating coating by femtosecond laser pulse irradiation
19	P-69	C000267	LPM2025	Poster Session 2	1	1	Nakashima		Observation of microhole on soda lime glass formed by different wavelengths of femtosecond laser
20	P-71	C000170	LPM2025	Poster Session 2	1	No Submission	Takahashi	Miyu	Fluence dependence of crystallinity changes in PEEK induced by ultrashort pulse laser
21	P-72	C000184	LPM2025	Poster Session 2	1	1	Matsumoto		Analysis of femtosecond laser impulse in lysozyme solution using atomic force microscope
22	P-73	C000219	LPM2025	Poster Session 2	1	1	Matsumoto	Hiroki	Investigation of the Generation and Propagation Processes of Femtosecond Laser-Induced Stress Waves in Glass
23	P-74	C000237	LPM2025	Poster Session 2	1	1	Shinya	Kohei	400 nm Femtosecond Laser-driven Shock Compression of Silicon
24	P-75	C000238	LPM2025	Poster Session 2	1	1	Yamaguchi	Kazuma	Dry Laser Peening of Magnesium Alloy using 400 nm Femtosecond Laser Pulses
25	P-78	C000028	LPM2025	Poster Session 2	1	1	Lemm	Philipp	Surface Engineering of High-Entropy Alloy Nanoparticles via ns-UV Laser for Enhanced Water Splitting and Fuel Cell Performance
26	P-79	C000038	LPM2025	Poster Session 2	1	1	Koch		UV-laser-induced surface modifications in catalyst design: insights into structure-activity correlations via UV-PUDEL
27	P-80	C000135	LPM2025	Poster Session 2	1	1	Fujii	Norifumi	Laser ablation-induced crystallization of ice under patterned irradiation

28	P-81	C000138	LPM2025	Poster Session 2	1	1	Fushimoto	Wataru	Spatiotemporal control of crystal nucleation and growth of fullerene via focused laser beam
29	P-83	C000087	LPM2025	Poster Session 2	1	1	Narz	Wiebke	Photoluminescence of surfactant-free gold-silver alloy nanoclusters fabricated by laser fragmentation in liquids
30	P-84	C000137	LPM2025	Poster Session 2	1	1	Majima	Ryotaro	Preliminary study on the growth enhancement of calcium oxalate crystals using focused laser beam
31	P-89	C000095	LPM2025	Poster Session 2	1	1	Nishimoto	Masaharu	Effects of wavelength on NV center formation in diamond via femtosecond laser irradiation
32	P-02	C000284	LPM2025	Poster Session 1	1	1	Sato	Mai	Analysis of Laser-induced Periodic Surface Structures on Titanium Using Ultraviolet Femtosecond Laser
33	P-04	C000210	LPM2025	Poster Session 1	1	1	Kawabata	Shota	Control of microbial growth using Ti surfaces microstructured by GHz burst mode femtosecond laser
34	P-05	C000287	LPM2025	Poster Session 1	1	1	Iga	Shunya	Structure prediction using light scattering patterns of laser-induced periodic nanostructures with deep learning
35	P-07	C000216	LPM2025	Poster Session 1	1	1	Mortha	Prem Dheeraj	Multiscale modelling of ultrafast laser heating of Gold using Two-Temperature Model coupled with Molecular Dynamics
36	P-09	C000194	LPM2025	Poster Session 1	1	1	Aiyyzhy	Kuder	Laser-assisted production of boron nanoparticles and their use as an additive in composite fuel
37	P-12	C000031	LPM2025	Poster Session 1	1	1	Franz	Daniel	Ultrashort pulsed laser drilling of through-glass vias for glass core packaging
38	P-13	C000176	LPM2025	Poster Session 1	1	1	Deng	Jiatao	Investigation of the thermal effects in soft tissue drilling using short-pulse CO_2 lasers
39	P-15	C000191	LPM2025	Poster Session 1	1	1	Irie	Shun	Machine Learning of Optimal Processing Conditions in Ultrafast Laser Welding of Glass Based on Laser Emission State
40	P-18	C000044	LPM2025	Poster Session 1	1	1	Yu	Min-Chieh	Dual-Functional Microwire ITO Heater and Sensor Fabricated by Laser Micromachining
41	P-19	C000205	LPM2025	Poster Session 1	1	1	Sasahara	Taiga	Patterning properties of copper-based electrodes fabricated by GHz burst femtosecond laser sintering of copper powders
42	P-20	C000281	LPM2025	Poster Session 1	1	1	Hosokawa	Tomoya	Shaping six-beam interference patterns of a variable-wavelength laser using a spatial light modulator
43	P-22	C000275	LPM2025	Poster Session 1	1	1	Someta	Yuuki	In-process monitoring of photocurrent of photodetector during holographic femtosecond laser surface structuring
44	P-25	C000177	LPM2025	Poster Session 1	1	1	Sadauskas	Modestas	Dielectric resonator antenna formation on ceramic cylinder with SSAIL technology
45	P-28	C000065	LPM2025	Poster Session 1	1	1	Matsumoto	Sota	Femtosecond Laser Fabrication of large-scale 3D microfluidic chips made of transparent fluoropolymer CYTOP
46	P-29	C000140	LPM2025	Poster Session 1	1	1	Shimizu	Keito	Oleophobic Biomimetic Film with Filefish-inspired Surface via Laser Mold Imprinting
47	P-30	C000148	LPM2025	Poster Session 1	1	1	Ishimura	Hiromu	Prediction Model for 3D Surface Geometry in Femtosecond-pulsed Laser Microfabrication Using Deep Learning
48	P-31	C000214	LPM2025	Poster Session 1	1	1	Mashiko	Shoto	Integrated three electrodes fabricated by femtosecond laser direct writing for flexible electrochemical sensors
49	P-32	C000309	LPM2025	Poster Session 1	1	1	Koyama	Keiichiro	Building of microtubule and kinesin system with metabolism and motility
50	P-35	C000212	LPM2025	Poster Session 1	1	1	Ishida	Hiroya	Size effects of silicon carbide nanoparticles on high- repetition green femtosecond laser pulse-induced reductive sintering
51	P-36	C000046	LPM2025	Poster Session 1	1	1	Min-Yang	Chen	Laser dewetting-induced metal particles and their antimicrobial effects on guava scab pathogen
52	P-38	C000256	LPM2025	Poster Session 1	1	1	Nakatani	Masashi	Analysis of molten metal flow in keyhole welding using a high-power disk laser
53	P-42	C000321	LPM2025	Poster Session 1	1	1	Kawasaki	Kasumi	Flat-top beam shaping with extended depth of focus using a spatial light modulator
54	P-43	C000276	LPM2025	Poster Session 1	1	1	Takeda	Tomohiro	Improving beam shaping accuracy through spatial frequency distribution control
55	P-44	C000172	LPM2025	Poster Session 1	1	1	Kumano	Sota	High-efficiency precision processing of diamond through three-dimensional beam shaping