

POSTERS

P1 Student	Synthesis of Acceptor Doped ZnO Films by Inductively-Coupled Plasma-Assisted Pulsed-Laser Deposition	Hayato Tsukuda	Nihon University, Japan
P2	Thin WB ₆ and W,Ti _{1-x} B _{2-x} films deposited by combined magnetron sputtering and pulsed laser deposition technique	Tomasz Moscicki	Institute of Fundamental Technological Research, Polish Academy of Science, Poland
P3 Student	Optimizing copper profiles for open circuit voltage boost in Cu ₂ ZnSnS ₄ solar cells by pulsed laser deposition	Mungunshagai Gansukh	Technical University of Denmark, Denmark
P4	An optical method for determination of the mass thickness of thin gold films with arbitrary morphology	Sergey V. Starinskiy	S.S. Kutateladze Institute of Thermophysics SB RAS, Novosibirsk, Russia
P5 Student	In situ laser-induced codeposition of metals for fabrication of non-enzymatic sensor materials	Alexandra Smikhovskaia	Saint Petersburg State University, Russia
P6 Student	Influence of ambient gas on microstructure formation on Ni surface by laser-Induced back deposition	Kazuki Koda	DENSO CORPORATION, Japan & Osaka University, Japan
P7	Investigation of optical and electrical properties of Sc-doped ZnO thin films deposited by co-sputtering	Alexander Axelevitch	Holon Technological Institute (HIT), Israel
P8	Tailoring diamond's optical properties via direct femtosecond laser nanostructuring	Miguel Martínez-Calderón	CEIT-IK4, Spain
P9 Student	Effect of surface roughness of the ultra-short pulsed laser ablation threshold of the zinc and steel	Hasib Mustafa	University of Twente, the Netherlands
P10	Effects of the repetition rate on femtosecond laser induced periodic surface structures on silicon	Jijil JJ Nivas	Università di Napoli Federico II, Italy & CNR-SPIN UOS Napoli, Italy
P11	Control of femtosecond laser-induced periodic surface structures on Ni	Taek Yong Hwang	Korea Institute of Industrial Technology, South Korea
P12 Student	Investigation of large-area femtosecond laser-induced periodic surface nanostructuring of metals	Marek Stehlik	HiLASE Centre, Institute of Physics of the Czech Academy of Sciences, Za Radnicí 828, 25241 Dolní Břežany, Czech Republic
P13 Student	Ultrashort laser non-Gaussian pulse induced temperature field dynamics	Alexander Fedotov	Belarusian State University, Minsk, Belarus
P14	Electron-phonon coupling after ultrashort laser-excitation in gold	Sebastian T. Weber	Technische Universitaet Kaiserslautern, Germany
P15 Student	The resolution study of the 3D printer EOSINT M280 for iron-based powders	Ada Steponavičienė	Center for Physical Sciences and Technology, Vilnius, Lithuania
P16	Design of fs-laser writable borate glasses for photonic devices	Jan Siegel	Instituto de Optica-CSIC
P17	Selective surface modification on PEDOT:PSS films for planar heater fabrication using short and long laser wavelengths	Wen-Tse Hsiao	Instrument Technology Research Center, National Applied Research Laboratories, Taiwan
P18	A micro sensor fabricated on bipod structure using 355 nm pulsed UV laser for evaluating the deformation by scattering light	Kuo-Cheng Huang	Instrument Technology Research Center, National Applied Research Laboratories, Taiwan
P19	Laser surface texturing of copper and variation of the wetting response with the laser pulse fluence	Elaheh Allahyari	Dipartimento di Fisica Ettore Pancini, Università di Napoli Federico II
P20 Student	Optimization of P3 Laser Process in CIGS Thin-Film Solar Cells	Edgaras Markauskas	Center for Physical Sciences and Technology, Vilnius, Lithuania
P21 Student	New laser assisted method for copper circuit fabrication on dielectrics	Karolis Ratautas	Center for Physical Sciences and Technology, Vilnius, Lithuania
P22	Delamination of GaN coating from sapphire substrate using femtosecond laser lift-off technique	Domas Paipulas	Laser Research Center, Vilnius University, Lithuania
P23	Graphene formation in wood by 1064 nm laser irradiation	Romualdas Trusovas	Center for Physical Sciences and Technology
P24 Student	Dynamic Optical Properties of Graphene Layers with Different Preparation and Morphology	Erika Rajackaitė	Kaunas University of Technology, Institute of Materials Science
P25	Analysis of ultrafast optical properties and morphology of diamond-like carbon nanocomposites with aluminium nanoparticles	Domantas Peckus	Kaunas University of Technology, Lithuania
P26	Formation of laser-induced periodical surface structures on multilayer graphene with femtosecond pulses	Tatsiana Smirnova	Scientific-Practical Material Research Centre, National Academy of Sciences of Belarus, Belarus & Belarusian State University, Belarus
P27	Comparative single-shot femtosecond laser ablation of solid surfaces in air and liquid environments	Sergey Kudryashov	ITMO University, Russia & P.N. Lebedev Physical Institute, Russia
P28 Student	Single-shot pulse ablation of silicon by ultrashort laser pulses of varying duration	Nikita Smirnov	P.N. Lebedev Physical Institute, Russian Academy of Sciences, Russia
P29 Student	Laser ablation of material surfaces by ultrashort pulses of varying duration	Nikita Smirnov	P.N. Lebedev Physical Institute, Russian Academy of Sciences, Russia
P30 Student	Femtosecond laser micro-processing of thin films using diffractive optical elements	Sofia F. Umanskaya	P.N. Lebedev Physical Institute, Russian Academy of Sciences, Russia, Samara National Research University, Russia, & National Research Nuclear University MEPhI, Russia
P31 Student	Temporally and spatially resolved investigations on resonant-infrared ablation of organic materials caused by ultrafast mid-IR laser radiation	Markus Olbrich	Laserinstitut Hochschule Mittweida, Germany
P32 Student	Case study on the dynamics of ultrafast excitation of gold thin films and bulk PMMA by ultrafast pump-probe reflectometry and ellipsometry	Markus Olbrich	Laserinstitut Hochschule Mittweida, Germany
P33 Student	Efficient picosecond laser ablation on cylindrical surfaces	Mantas Gaidys	Center for Physical Sciences and Technology, Vilnius, Lithuania
P34 Student	Fabrication of ablation three-dimensional object by efficient laser ablation	Augustinas Skirsgilas	Center for Physical Sciences and Technology, Vilnius, Lithuania
P35 Student	Rapid and high-quality 3D fabrication by efficient ultrashort laser ablation	Andrius Žemaitis	Center for Physical Sciences and Technology, Vilnius, Lithuania
P36 Student	Photosensitive naturally derived resins toward optical 3D printing	Edvinas Skliutas	Laser Research Center, Vilnius University, Lithuania
P37	Large-Scale 3D microstructured scaffolds fabricated by direct laser writing out of biocompatible polymers	Sima Rekštytė	Laser Research Center, Vilnius University, Lithuania
P38	3D polymeric microstructures for micro-actuation and environmental sensing fabricated by direct laser writing technique	Mae Nishimura	Research Institute of Electronics, Shizuoka University, Japan
P39 Student	Lithography of True 3D Ceramic Structures on the Microscale	Viktorija Padolskytė	Laser Research Center, Vilnius University, Lithuania & Femtika Ltd., Lithuania
P40 Student	Investigation of mechanical properties of polymeric microstructures using glass microcantilevers	Titas Tičkūnas	Laser Research Center, Vilnius University, Lithuania
P41 Student	Fabrication and surface engineering of silicon nanocrystals by laser-induced processes in liquid	Natalie Tarasenska	B.I. Stepanov Institute of Physics Minsk, Belarus
P42 Student	Photocatalytic TiO ₂ -based fine particles synthesized by pulsed-laser ablation in SrCl ₂ solution	Shu Kaiya	Nihon University, Japan
P43 Student	Laser generation of photoactive nanoparticles	Alina Georgiana Ilie	National Institute for Lasers, Plasma and Radiation Physics, Romania & University of Bucharest, Romania
P44 Student	Laser ablative hybrid Si-Au nanoparticles	Anastasia Ivanova	P.N. Lebedev Physical Institute, Russian Academy of Sciences, Russia & National Research Nuclear University MEPhI, Russia
P45 Student	Fs/ps pulsewidth-dependent yield of Au, Ag and Si nanoparticles	Irina Saraeva	P.N. Lebedev Physical Institute, Russian Academy of Sciences, Russia
P46 Student	Micro-Sampling of Biological Tissue by Substrate-Mediated Laser Ablation: Toward Spatially-Resolved Proteomics at μm Scale	Tony Maulouet	Université Lille 1 - PhLAM/Prism, France
P47	Contact laser surgery of oncological tumors with a minimum of dissemination of tumor in the operating field on the basis of the technology of the absorbing layer at the tip of quartz fiber	Nikita Bityurin	Institute of Applied Physics, Russian Academy of Sciences, Russia
P48	2D mesoscale colloidal crystal patterns on polymer substrates due to control of wettability of materials by UV treatment	Nikita Bityurin	Institute of Applied Physics, Russian Academy of Sciences (IAP RAS), Russia
P49	Patterning of photoinduced nanocomposites by focused laser beam: a model	Nikita Bityurin	Institute of Applied Physics, Russian Academy of Sciences, Russia
P50	In-situ monitoring of evolution of optical properties of UV LED irradiated polymer-based photoinduced nanocomposites	Anton A. Smirnov	Institute of Applied Physics, Russian Academy of Sciences, Russia
P51	Nanopattern formation by local laser annealing of diblock copolymer (BCB) films	Klaus Zimmer	Leibniz Institute of Surface Engineering, Leipzig, Germany
P52	Control of wettability on PLLA surface by femtosecond laser irradiation for development of advanced implant devices	Yuji Sato	Joining and Welding Research Institute, Osaka University, Japan
P53 Student	Fabrication of elastomeric structures via stereolithography and optimization of their biocompatibility	Giedrė Grigalavičiūtė	Laser Research Center, Vilnius University, Lithuania
P54	Nanometric z-profiling of Bio-chromophore layers by DRLS	Aaron Peled	Holon Institute of Technology, Israel
P55 Student	Antibacterial effect of nanostructured silicon	Alena Nastulyavichus	P.N. Lebedev Physical Institute, Russian Academy of Sciences, Russia
P56 Student	Nanosecond and femtosecond laser ablation of silver films of variable thickness	Alena Nastulyavichus	P.N. Lebedev Physical Institute, Russian Academy of Sciences, Russia
P57 Student	Femtosecond laser fabrication, spectral characterization and modelling of plasmonic nanostructures	Nikolay Busleev	Lebedev Physical Institute, Russia & Samara National Research University, Russia
P58 Student	High-efficiency fabrication of geometric phase spiral phase plates by femtosecond laser	Jian-Guan Hua	State Key Laboratory of Integrated Optoelectronics, Jilin University, China
P59 Student	High-throughput ablative pulsed-laser patterning of various nanoplasmonic films	Pavel A. Danilov	P.N. Lebedev Physical Institute, Russia
P60	Colloidal particle lens arrays-femtosecond surface nanopatterning by two-coloured femtosecond pulses. The effect of delay time between the pulses of different frequencies	Andrey Afanasiev	Institute of Applied Physics, Russian Academy of Sciences, Russia
P61 Student	How uniform is uniform - Characterisation and optimisation of structures fabricated by Direct Laser Interference Patterning	Mikhael El-Khoury	Fraunhofer-Institut für Werkstoff- und Strahltechnik (IWS), Dresden, Germany
P62	Laser fabrication of optical components for THz radiation	Simonas Indrišiūnas	Center for Physical Sciences and Technology, Vilnius, Lithuania
P63	Direct laser writing and etching of high aspect ratio structures in fused silica using different etchants	Simas Butkus	Laser Research Center, Vilnius University, Lithuania
P64	Recording of diffraction elements in fused silica by the deep focused femtosecond pulses	Valdemar Stankevič	Center for Physical Sciences and Technology, Vilnius, Lithuania & ELAS Ltd., Lithuania
P65 Student	Femtosecond laser micromachining of glass samples in air, water and various solutions (NaCl, KOH)	Lina Mačernytė	Laser Research Center, Vilnius University, Lithuania
P66 Student	Application of asymmetrical Bessel-like laser beams for glass processing	Juozas Dudutis	Center for Physical Sciences and Technology, Vilnius, Lithuania
P67	Direct laser writing of photonic microstructures for spatial light filtering using Gaussian and Bessel beams	Vytautas Purlys	Laser Research Center, Vilnius University, Lithuania & Femtika Ltd., Lithuania
P68	Fabrication of perfect absorber metasurface structures by direct laser write technique and their post-fabrication tuning	Subhashri Chatterjee	Research Institute of Electronics, Shizuoka University, Japan
P69	Numerical Study on Power Absorption Distribution of Powders in Selective Laser Melting	Tomomasa Ohkubo	Tokyo University of Technology, Japan
P70	In situ X-ray observation of pure-copper layer formation with blue direct diode laser	Yuji Sato	Joining and Welding Research Institute, Osaka University, Japan
P71 Student	Laser microwelding application for wire to flat geometry of dissimilar materials in electromechanical components	Mahdi Amne Elahi	University of Luxembourg, Luxembourg
P72 Student	Investigation on autogenous laser welding of copper to aluminium	Karthik Mathivanan	University of Luxembourg, Luxembourg
P73	Pulse length and shape in two-photon excited theranostics	Jaka Mur	Jožef Stefan Institute, Ljubljana, Slovenia
P74	Application of laser induced breakdown spectroscopy to femtosecond laser micromachining of glass by use of single pulses and pulse trains	Ona Balachinaitė	Laser Research Center, Vilnius University, Lithuania
P75	Characterization of latent 3D laser exposure patterns in photoresist using photoluminescence quenching	Edy Yulianto	Research Institute of Electronics, Shizuoka University, Japan
P76 Student	Active tuning of surface plasmon resonance by controlling interparticle distance of gold nanoparticles	Ayana Mizuno	Shizuoka University, Japan
P77 Student	Control of expansion processes by counter shock waves during pulsed laser ablation	Keita Katayama	Graduate school of Natural Science, Konan University, Japan
P78 Student	Impact of the wall roughness on the quality of micrometric nozzles manufactured from fused silica by hybrid laser processing	Vidmantas Tomkus	Center for Physical Sciences and Technology, Vilnius, Lithuania
P79	The approximations of Boltzmann transport equation for modelling of ultrafast photoconductive terahertz antennas	Gediminas Šlekas	Vilnius Gediminas Technical University, Lithuania & Center for Physical Sciences and Technology, Vilnius, Lithuania
P80	Microstructure and Mechanical Properties of parts obtained by Direct and Metal Laser Sintering	Genrik Mordas	Center for Physical Sciences and Technology, Vilnius, Lithuania
P81	Infrared-laser precipitation of Dy-Yb codoped SrF ₂ nanocrystals in glass and emission enhancement	Ki-Soo Lim	Chungbuk National University, Republic of Korea
P82	Spatial-temporal dynamics of vortex light bullet at femtosecond filamentation in Kerr media	Olga Fedotova	Scientific Practical Materials Research Centre of NAS of Belarus, Belarus & Belarusian State University, Belarus
P83 Student	Forming accelerating light beams with phase masks fabricated from glass	Mykolas Karpavičius	Laser Research Center, Vilnius University, Lithuania
P84 Student	Structuring of geometric phase microoptics via 3D laser nanolithography	Simonas Varapnickas	Laser Research Center, Vilnius University, Lithuania
P85	Direct laser writing of spin-orbital angular momentum coupler microstructures	Ryosuke Shoyama	Research Institute of Electronics, Shizuoka University, Japan
P86 Student	Femto-stitching at 1342 nm to diamond nanostructuring at 224 nm: emerging opportunities for a new mode-locked laser	Ernestas Kuodyds	Center for Physical Sciences and Technology, Vilnius, Lithuania
P87 Student	Photonic crystals for visible wavelength via physical vapour deposition	Darius Gailevičius	Vilnius University, Lithuania & Femtika Ltd., Lithuania
P88	Influence of the third order nonlinearity on the instabilities in the synchronously pumped optical parametric oscillator	Viktorija Tamulienė	Laser Research Center, Vilnius University, Lithuania
P89	BBO crystal for characterization of mid-infrared laser pulses	Gintaras Tamošauskas	Laser Research Center, Vilnius University, Lithuania
P90 Student	Simultaneous ultra-broad-band nonlinear interactions in polycrystalline ZnS and ZnSe	Rosvaldas Šuminas	Laser Research Center, Vilnius University, Lithuania
P91 Student	Filamentation of femtosecond mid-infrared pulses in crystalline silicon	Agnė Marcinkevičiūtė	Laser Research Center, Vilnius University, Lithuania
P92 Student	Tuneable z-scan setup as a versatile tool to improve the efficiency of PDT and high resolution 3D printing	Wolfgang Steiger	Institute of Materials Science and Technology, TU Wien, Austria. Austrian Cluster for Tissue Research
P93	Nonlinear response of and energy deposition in bulk silicon and germanium driven by intense femtosecond laser	Tzveta Apostolova	Institute for Nuclear Research and Nuclear Energy, INRNE-BAS, Sofia, Bulgaria
P94	Fabrication of carbonaceous pattern based on liquid polymer and laser	Yong-Won Ma	Pusan National University