

LPM2018 POSTER PRESENTATIONS

PO-01	<b>Fabrication of three-dimensional microfluidic channels in photosensitive glasses by picosecond pulsed laser</b>
Axente, Emanuel	<i>National Institute for Lasers, Plasma &amp; Radiation Physics, Bucharest, Romania</i>
PO-02	<b>Controllable spatial array of Bessel-like beams with independent axial intensity distributions for laser microprocessing</b>
Baltrukonis, Justas	<i>Center for Physical Sciences &amp; Technology, Vilnius, Lithuania</i>
PO-03	<b>Compact High Energy Femtosecond Fiber Laser Source with a CFBG Stretcher and CVBG Compressor for Microfabrication Applications</b>
Bartulevicius, Tadas	<i>Ekspla Ltd, Vilnius, Lithuania</i>
PO-04	<b>Comparative study of low density inorganic material ablation</b>
Bourdenet, Rémy	<i>CEA, Centre de Valduc, France</i>
PO-05	<b>In-situ optical diagnostics of selectively laser sintered metallic inks on flexible substrates</b>
Braz, Nuno	<i>Oxford Lasers, Didcot, UK</i>
PO-06	<b>Temperature effects on pulsed laser deposition of nanostructured metal films: Comparison of substrate heating and post-annealing</b>
Bulgakov, Alexander	<i>HiLASE Centre, Dolní Břežany, Czech Republic</i>
PO-07	<b>Porcelain Enamel Coating on Stainless Steel by Direct Laser Sintering</b>
Chang, Yuan-Jen	<i>National Yunlin University of Science &amp; Technology, Yunlin, Taiwan</i>
PO-08	<b>Femtosecond Laser-Induced Periodic Surface Structure on Copper: Modeling and Experimental Comparison</b>
Cheng, Chung-Wei	<i>National Chiao Tung University, Hsinchu, Taiwan</i>
PO-09	<b>Evaluation of key geometrical and mechanical properties for remote laser welded AC-170PX aluminium joints</b>
Das, Abhishek	<i>WMG, The University of Warwick, Coventry, UK</i>
PO-10	<b>The influence of material removal form on the quality of film cooling holes during a laser drilling on TBCs coated nickel superalloy</b>
Fan, Zhengjie	<i>Xi'an Jiaotong University, Xi'an, China</i>
PO-11	<b>BB-LIFT: A Non-Contact Laser-Based Transfer Method for Nanomaterials</b>
Goodfriend, Nathan	<i>HiLASE Centre, Dolní Břežany, Czech Republic</i>
PO-12	<b>Parabolic vector focal wave modes</b>
Gotovski, Pavel	<i>Center for Physical Sciences &amp; Technology, Vilnius, Lithuania</i>
PO-13	<b>Holographic femtosecond laser processing with confocal surface detection system for subcellular surgery in a living cell</b>
Hasegawa, Satoshi	<i>Center for Optical Research &amp; Education (CORE), Utsunomiya University, Japan</i>
PO-14	<b>Ultrafast industrial laser processing of transparent and brittle materials with diffractive and non-diffractive laser beams</b>
Karnakis, Dimitris	<i>Oxford Lasers, Didcot, UK</i>
PO-15	<b>Project UltraWELD - Ultrafast laser welding of highly dissimilar materials – development of a truly industrial process</b>
Karnakis, Dimitris	<i>Oxford Lasers, Didcot, UK</i>
PO-16	<b>Forming accelerating light beams with phase masks fabricated from glass</b>
Karpavičius, Mykolas	<i>Vilnius University, Vilnius, Lithuania</i>
PO-17	<b>Microfabrication of Au film using optical vortex beam</b>
Kawagoe, Sho	<i>Kyushu University, Japan</i>
PO-18	<b>Fabrication of micro through-holes in poly(L-lactic acid) film by femtosecond laser irradiation for patterning C2C12 cells</b>
Kondo, Naonari	<i>Keio University, Yokohama, Japan</i>
PO-19	<b>Biodegradability of poly(lactic-co-glycolic acid) internally modified by femtosecond laser irradiation</b>
Kondo, Naonari	<i>Keio University, Yokohama, Japan</i>
PO-20	<b>Ring-shaped waveguides in BGO crystal by femtosecond laser writing</b>
Li, Lingqi	<i>Shandong University, Jinan, China</i>

PO-21	<b>Ultrashort Laser Assited Patterning and Imprinting superhydrophobic PDMS Hierachical surface</b>
Liu, Bin	<i>Xi'an Jiaotong University, Xi'an, China</i>
PO-22	<b>Specklegram temperature sensor based on femtosecond laser inscribed depressed cladding waveguides in Nd:YAG crystal</b>
Liu, Hongliang	<i>Nankai University, Tianjin, China</i>
PO-23	<b>Straight and 90°-bend optical waveguides fabricated in fused silica with femtosecond laser pulses</b>
Lv, Jing	<i>Xi'an Jiaotong University, Xi'an, China</i>
PO-24	<b>All-Optical Repetition Rate Stabilization of Ultrafast SESAM-Based Yb Doped All Fiber Oscillator for High Intensity OPCPA Systems</b>
Madeikis, Karolis	<i>Ekspla Ltd., Vilnius, Lithuania</i>
PO-25	<b>Er-doped fiber laser architecture for robust and passive pulse generation</b>
Morishita, Kazuma	<i>Kindai University, Osaka, Japan</i>
PO-26	<b>Using high precision ultrashort pulse laser processing to generate localized micro foils in refractory metals</b>
Mueller, Mathias	<i>Laserinstitut Hochschule Mittweida, Mittweida, Germany</i>
PO-27	<b>Optical Bessel-like beams with engineered axial phase and intensity distribution</b>
Nacius, Ernestas	<i>Center for Physical Sciences &amp; Technology, Vilnius, Lithuania</i>
PO-28	<b>Reshaping the ZnO nanowires for microcavity lasing</b>
Nakamura, Daisuke	<i>Kyushu University, Fukuoka, Japan</i>
PO-29	<b>Fibre laser based single pulse drilling for production of perforated titanium sheets for HLFC structures</b>
Ocaña, Roberto	<i>Advance Manufacturing Technologies, Eibar, Spain</i>
PO-30	<b>Bessel beams with modified field distribution</b>
Orlovas, Sergejus	<i>Center for Physical Sciences &amp; Technology, Vilnius, Lithuania</i>
PO-31	<b>Selective ablation of aluminium thin films on silicon substrate using ultra short pulse laser radiation</b>
Pabst, Linda	<i>Laserinstitut Hochschule Mittweida, Mittweida, Germany</i>
PO-32	<b>Femtosecond laser scribing of Polyimide(PI) film to improve flexibility</b>
Park, Jae Sung	<i>Kyoungpook National University, Daegu, South Korea</i>
PO-33	<b>Laser surface micro/nano texturing for the production of stable superhydrophobic and superhydrophilic metallic surfaces</b>
Rajab, Fatema	<i>University of Manchester, Manchester, UK</i>
PO-34	<b>A new approach to weld transparent polymers using ultrashort laser pulses</b>
Roth, Gian-Luca	<i>University of Applied Sciences Aschaffenburg, Aschaffenburg, Germany</i>
PO-35	<b>Laser induced periodic surface structures on 100Cr6 steel for modification of friction demonstrated with Stribeck Test</b>
Rung, Stefan	<i>University of Applied Sciences Aschaffenburg, Aschaffenburg, Germany</i>
PO-36	<b>Transmission electron microscopy of laser fabrication inside diamond</b>
Salter, Patrick	<i>University of Oxford, Oxford, UK</i>
PO-37	<b>Tailoring birefringence of LIPSS through thin film coatings</b>
San Blas, Alejandro	<i>Ceit, San Sebastián, Spain.</i>
PO-38	<b>Microlayer formation of CoCr alloy by multi laser coating for improvement of abrasion resistance</b>
Sato, Yuji	<i>Osaka University, Osaka, Japan</i>
PO-39	<b>Laser material processing using femtosecond pulses at GHz intra-burst pulse repetition frequency</b>
Schille, Joerg	<i>Laserinstitut Hochschule Mittweida, Mittweida, Germany</i>
PO-40	<b>Homogeneous Low Spatial Frequency LIPSS on sapphire generated by beam-shaped femtosecond pulsed laser irradiation</b>
Schwarz, Simon	<i>University of Applied Sciences Aschaffenburg, Aschaffenburg, Germany</i>
PO-41	<b>Interconnection for power electronics using laser ablation</b>
See, Tian Long	<i>The Manufacturing Technology Centre, Coventry, UK</i>

PO-42	<b>Femtosecond laser micromachining of glass samples with single pulses and pulse trains: optimization and monitoring by use of laser induced breakdown spectroscopy</b>
Skruibis, Julius	<i>Vilnius University, Vilnius, Lithuania</i>
PO-43	<b>Volume gratings determined by spherical aberration recorded by femtosecond pulses deep in fused</b>
Stankevici, Valdemar	<i>Center for Physical Sciences &amp; Technology, Vilnius, Lithuania</i>
PO-44	<b>Development of coherent addition system used nematic liquid crystal toward ultrashort pulse amplification</b>
Takada, Kazuki	<i>Kindai University, Osaka, Japan</i>
PO-45	<b>Effects of wavelength control on Laser Peening</b>
Takehisa, Shota	<i>Kindai University, Osaka, Japan</i>
PO-46	<b>Hybrid additive and subtractive laser 3D microprocessing in glass/polymer microsystems</b>
Tickunas, Titas	<i>Vilnius University, Vilnius, Lithuania</i>
PO-47	<b>Polymeric film piercing by longitudinally excited CO<sub>2</sub> laser</b>
Uno, Kazuyuki	<i>University of Yamanashi, Yamanashi, Japan</i>
PO-48	<b>Laser microplasma for crystalline material processing</b>
Veiko, Vadim	<i>ITMO University, St. Petersburg, Russia</i>
PO-49	<b>Compact CPA Laser System Based on Yb Fiber Seeder and Yb:YAG Amplifier</b>
Veselis, Laurynas	<i>Ekspla Ltd, Vilnius, Lithuania</i>
PO-50	<b>Vector focus wave modes with elliptic cross-section</b>
Vosylius, Vitalis	<i>Center for Physical Sciences &amp; Technology, Vilnius, Lithuania</i>
PO-51	<b>Selective surface activation induced by laser (SSAIL) method for electronic circuit traces formation of 3D moulded interconnect devices (MID)</b>
Vyšniauskas, Mantvydas	<i>Center for Physical Sciences &amp; Technology, Vilnius, Lithuania</i>
PO-52	<b>Femtosecond laser written optical waveguides in periodically poled MgO:LiTaO<sub>3</sub> crystal: Fabrication and SHG investigation</b>
Wang, Lei	<i>Shandong University, Jinan, China</i>
PO-53	<b>Laser processing high aspect ratio groove wick for improving the thermal performance of flat micro heat pipe</b>
Xie, Xiaozhu	<i>Guangdong University of Technology, Guangzhou, China</i>
PO-54	<b>Effect of high acoustic impedance medium as plasma confinement layer on laser peening</b>
Yamashita, Kazuma	<i>Kindai University, Osaka, Japan</i>
PO-55	<b>Electrochemical properties of femtosecond laser-induced periodic surface structures formed on nitrided stainless steel</b>
Yasumaru, Naoki	<i>Fukui College, Sabae, Japan</i>
PO-56	<b>A transmission-type liquid-crystal spatial light modulator to generate high-power laser beams with arbitral phase and polarization distributions</b>
Yoshiki, Keisuke	<i>University of Hyogo, Hyogo, Japan</i>
PO-57	<b>Microdevices integration based on local laser densification of porous glasses</b>
Zakoldaev, Roman	<i>ITMO University, St. Petersburg, Russia</i>
PO-58	<b>Laser-based, site-specific fabrication of protein-incorporated hydrogels on surfaces for biosensing applications</b>
Zergioti, Ioanna	<i>National Technical University of Athens, Greece</i>
PO-59	<b>The effect of laser pulse width on the selective sintering of Ag nanoparticle micro-patterns at high repetition rates</b>
Zergioti, Ioanna	<i>National Technical University of Athens, Greece</i>
PO-60	<b>Direct laser printing of liver cells on porous collagen scaffolds</b>
Zergioti, Ioanna	<i>National Technical University of Athens, Greece</i>