14th International LIPSS Workshop
November 4-6 2026, Abbeanum, Fröbelstieg 1, 07743 Jena

Wednesday 04		
11:30	**Welcome and registration**	
12:00	**Opening**	
12:30	**Lunch**	
14:00	Quo vadis LIPSS? – an update	Jörn Bonse
14:30	Investigation on deep-LIPSS formation on (100) Si using ion implantation	Barthelemy Aspe
15:00	How do LIPSS develop in silicon by tight focused UV fs pulses?	Irene Solana
15:30	**Coffee break**	
16:00	Investigation of thickness-dependent high-spatial-frequency LIPSS formation in Molybdenum thin films using UV femtosecond laser irradiation	George Tsibidis
16:30	Active fiber loop technology in FemtoLux – Flexible burst operation and pulse duration control for LIPSS processing	Oliver Rohm
17:30	**Visit Jena**	
19:00	**Get-together**	
Thursday 05		
09:00	X-Ray free-electron lasers: Principles, applications and opportunities	Thies Albert
09:30	Dynamics of LIPSS-formation: Recent results using fs-time resolved X-ray scattering techniques	Dominik Kaczmarek
10:00	Probing the formation of laser-induced periodic surface structures on silica films by ultrafast time-resolved small-angle X-ray scattering	Jörn Bonse
10:30	**Coffee break**	
11:00	The potential of LIPSS decorated metal fabrics in supercooled drop impact and icing	Anne-Marie Kietzig
11:30	From fast diagnostics to process optimization: Scatterometry-based monitoring of LIPSS	Marcos Soldera

12:00	Hidden LIPSS in SiO_2/Si(100) interfaces induced by femtosecond Laser pulses	Pierre Lorenz
12:30	**Lunch**	
14:00	Structure and composition of HSFL in MoS_2	Evgeny Gurevich
14:30	Strategies for improving the regularity of HSFL on titanium materials	Heike Voss
15:00	Optimizing the strength of adhesive joints through laser surface modification	Oliver Dubnack
15:30	**Coffee break**	
16:00	Breakdown of spallation during LIPSS formation in multi-pulse ultrafast laser ablation	Korbinian Hobmaier
16:30	LIPSS on Nb: From surface flux pinning to engineered metasurfaces for magnetic flux guiding	Germán de la Fuente
17:00	TBA	Wolfgang Husinsky
19:00	**Workshop dinner**	
Friday 06		
09:00	Controlling the regularity of laser-induced periodic surface structures (LIPSS) on Cu-Ni alloys	Eric Rahner
09:30	Silicon ablation and LIPSS formation from femtoseconds to picoseconds	Florian Fiedler
10:00	Wavelength dependence on the LIPSS generation on glassy carbon surface	Hugo Bruhier
10:30	**Coffee break**	
11:00	Light materials interaction with solids: *ab-initio* predictions and large scale modeling for nanostructuring, sensing and quantum computing	Thibault Derrien
11:30	Nanosecond laser-induced periodic surface structuring of stainless steel for reduced ice friction	Pavels Onufrijevs
12:00	**Closing remarks; Selection of the 2027 workshop host**	