

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	TBA	HM München
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	Ekspla Laser Company	Oliver Rohm
17:30	Visit Jena	
19:00	Get-together	
Thursday 05		
09:00	Introduction to European XFEL	Thies Albert
09:30	Probing the formation of laser-induced periodic surface structures on silica films by ultrafast time-resolved small-angle X-ray scattering	Jörn Bonse
10:00	Dynamics of LIPSS	Dominik Kaczmarek
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	David Redka
16:30	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	Camilo Florian
10:00	Wavelength dependence on the LIPSS generation on glassy carbon surface	Hugo Bruhier
10:30	Coffee break	
11:00	TBA	Thibault Derrien
11:30	Nanosecond laser-induced periodic surface structuring of stainless steel for reduced ice friction	Pavels Onufrijevs
12:00	Closing remarks	