



10th INTERNATIONAL WORKSHOP

Orléans, Val de Loire, France
21-23 September 2022



Wednesday, September 21

11:00	Welcome	
12:30	Lunch	
14:00	Welcome talk	Anne-Lise Thomann GREMI, Orléans
14:10	Presentation of Le Studium	Aurélien Montagu & Marie Artiges Le Studium, Orléans
14:30	Introduction to the LIPSS Workshop	Jurgen Reif BTU, Cottbus-Senftenberg
15:00	Formation dynamics of periodic surface patterns in Ge induced by UV nanosecond laser pulses	Jan Siegel Instituto de Optica-CSIC, Madrid
15:35	Coffee Break	
15:55	How the combination of electromagnetic effects and thermophysical properties of solids influences the formation of laser induced periodic surface structures	George Tsididis IESL-FORTH, Heraklion
16:30	Bio-inspired laser micro- and nanopatterning for fluid transport and anti-adhesive properties	Cristina Plamadeala Johannes Kepler Universität, Linz
17:05	Round table	
17:45	End of working day	
18:00	Visit of old town	

Thursday, September 22

09:00	LIPSS formation on polymer thin films: influence of thickness, roughness and substrate	Esther Rebollar IQFR-CSIC, Madrid
09:35	LIPSS with extreme properties: short period and high aspect ratio	Evgeny Gurevich University of Applied Science, Münster
10:10	Coffee Break	
10:30	Surface Morphology at Nanometric Scale by Temporal and Polarization Control of Ultrashort Laser Pulses	Anthony Nakhoul Laboratoire Hubert Curien, Saint-Étienne
11:05	Stochasticity versus determinism in LIPSS formation	Jean Philippe Colombier Laboratoire Hubert Curien, Saint-Étienne
11:40	Investigation of LIPSS structures fabricated in different surrounding media using focused-ion beam etching	Matej Senegacnik Faculty of Mechanical Engineering, Ljubljana
12:15	Lunch	
14:00	Round table	
14:30	Significance of laser processing environments in determining the surface chemistry, ageing and final response of HSFLs generated on Tungsten	Priya Dominic Laboratoire Hubert Curien, Saint-Étienne
15:05	Microscopy techniques for in-situ LIPSS detection and characterization via optical means	Cyril Mauclair Laboratoire Hubert Curien, Saint-Étienne
15:40	Laser-induced periodic surface structures (LIPSS): mechanisms, applications, and unsolved problems	Jörn Bonse BAM, Berlin
16:15	Coffee Break	
16:35	Sponsors' presentations	Opton Laser, Amplitude, Optoprim
17:35	End of working day	
19:00	Gala dinner at Bateau Lavoir	

Friday, September 23

09:00	Mitigation of secondary electron yield by femtosecond pulse laser-induced periodic surface structuring	Salvatore Amoroso Complesso Universitario di Monte S. Angel, Napoli
09:35	The influence of LIPSS spatial alignment and periodicity on osteoblastic differentiation	Xxx Sedao Laboratoire Hubert Curien, Saint-Étienne
10:10	Coffee Break	
10:30	Industrialization considerations of ultrashort LIPSS texturing for biological applications	Yoan Di Maio GIE Manutech-USD, Saint-Étienne
11:05	Smart laser engraving system for wide-band gap materials for the luxury industry	Alex Capelle GREMI, Orléans
11:40	Round table	
12:10	Closing session - Conclusions - Next workshop organization	
12:30	Lunch	
14:00	Potential visit: GREMI laboratory and DWS start-up	
17:00	End of working day	