



Summer School on  
 Ultra-Short Pulse Laser Applications in Material Processing 2019  
 Processing Transparent Materials with Ultra-Short Pulse Lasers  
 July 07-12, 2019 | Vilnius, Lithuania

FINAL PROGRAMME

	NFTMC	NFTMC	NFTMC		LITEK
	Mo, 2019-07-08	Tu, 2019-07-09	We, 2019-07-10	Th, 2019-07-11	Fr, 2019-07-12
8:00	Registration				
8:30	Opening				
9:00	<b>Peter Balling</b> <i>Ultrashort-pulse laser excitation of dielectrics</i>	<b>Razvan Stoian</b> <i>Smart ultrafast laser structuring of bulk transparent materials on micro and nanoscales: process dynamics and applications</i>	<b>Peter Herman</b> <i>Quantized structuring of transparent films / waveguides, gratings in fibers</i>	Social program /excursion	<b>Paulius Gečys</b> <i>Bessel beam shaping for transparent material processing</i>
10:00	<b>Leonid Zhigilei</b> <i>Atomistic modelling of laser-material interactions</i>	<b>Peter Balling</b> <i>Ultrashort-pulse laser excitation of dielectrics</i>	<b>Francois Courvoisier</b> <i>Ultrafast laser processing with nondiffracting beams</i>		<b>Domas Paipulas</b> <i>Photonic device integration in transparent materials using ultrafast lasers: challenges and prospects</i>
11:00	coffee & discussion	coffee & discussion	coffee & discussion		coffee & discussion
11:30	<b>Nadezda Bulgakova</b> <i>Femtosecond laser induced dynamics of the processes in transparent solids</i>	<b>David Grojo</b> <i>Femtosecond laser 3D modifications in transparent materials: from dielectrics to semiconductors</i>	<b>Mangirdas Malinauskas</b> <i>Ultrafast laser true 3D nanolithography of organics and inorganics</i>		<b>Gediminas Račiukaitis</b> <i>Future Perspectives in Ultra-Short Pulse Laser Applications in Material Processing</i>
12:30	student presentations	student presentations	student presentations		Laboratory tour
13:30	Lunch	Lunch	Lunch	Lunch on a way	Lunch
14:30	<b>Konstantin Mishchik</b> <i>Key challenges in industrial femtosecond laser processing of glass and other transparent brittle materials</i>	<b>Claude Phipps</b> <i>Lasers for space: Years of promise are becoming reality</i>	<b>Ya Cheng</b> <i>Commercially profitable 3D microfabrication based on femtosecond laser induced selective etching in transparent materials</i>	Social program /excursion	Company tour
15:30	student presentations	student presentations	student presentations		Closure & BBQ @ LITEK
16:30	coffee & discussion	Posters, coffee & discussion			
18:00			coffee @ Light Conversion		
19:30	Welcome party				
21:00	Old Town				