

Workshop on Optical Thin Films - 22-24.04.2024, IRB - Program

	Monday 22.4	Tuesday 23.4	Wednesday 24.4
	Opening Remarks David M. Smith General director, IRB		
9:00 -10:00	Mini-Course <i>"Modern and efficient methods for multilayer coating design"</i> Tatiana Amochkina OTF Studio, Garching	Mini-Course <i>"Mini-Course with Minimum of Equations: From Christiaan Huygens to Thin Film Optics"</i> Olaf Stenzel University of Jena	Mini-Course <i>"Subwavelength optics from nanoparticles to metasurfaces"</i> Joachim Krenn University of Graz
10:00-10:30	Coffee break		
10:30-12:00	Deposition techniques <i>"Plasma-Based Techniques for Thin Film Deposition"</i> Krunoslav Juračić IRB	Optoelectronics <i>"Wireless photocopacitive neurostimulation - from in-vivo to in-silico"</i> Vedran Đerek University of Zagreb	Heterostructured films <i>"Nanoscale light trapping and polaritons in atomically thin films and their heterostructures"</i> Marko Kralj Institute of Physics, Zagreb
	<i>"Synthesis of semiconductor thin films and hybrid materials using atomic layer deposition technique"</i> Gabriela Ambrožić University of Rijeka	<i>"Electrical characterization of defects in semiconductors using the optical pulses"</i> Ivana Capan IRB	<i>"Thin films based on core/shell quantum dot lattices for application in photo-sensitive devices"</i> Maja Mičetić IRB
12:00-13:00	Lunch break		
13:00-14:30	Thin film photocatalysis <i>"Thin Film Photocatalysts: Advancements in Environmental Solutions for Water Treatment and Energy Production"</i> Tayebah Sharifi Josef Stefan Institute	Characterization <i>"Spectral-photometric characterization: between routine and challenge"</i> Steffen Wilbrandt Fraunhofer IOF Jena	Thin film for optical devices <i>"Whispering gallery mode resonators- a cutting edge system for the study of lasing, sensing, non-linear optics and chaos"</i> Davor Ristić IRB
	<i>"Semiconductor Thin Films for Photocatalysis"</i> Aleš Omerzu University of Rijeka	<i>"Thin film characterisation using ion beam analytical techniques"</i> Zdravko Siketić IRB	<i>"How to make hybrid inorganic-organic 2D perovskite structure? The case of bulky organic cations"</i> Jasminka Popović IRB
14:30-15:00	Coffee break		
15:00-16:30	HRZZ project results <i>"Asymmetric Fabry-Perot resonators based on ultrathin films"</i> Nirmala D'Souza	Thin films micro and nanostructuring <i>"High-energy heavy ion irradiation of graphene and thin oxide films"</i> Marko Karlušić IRB	Contributed flash presentations Open Discussion
	<i>"Nearly percolated Au films for interference-based sensing"</i> Elizabeth Hedl	<i>"Electric field assisted microstructuring of metal-dielectric thin film systems"</i>	
	<i>"Hybrid and alloy nanoislands for plasmon-based sensing"</i> Matej Bubaš	Vesna Janicki IRB	

Presentations will take place at the lecture hall of the "Ivan Supek" wing ("I. krilo")
 Ruđer Bošković Institute, Bijenička cesta 54, Zagreb