

VII Leopoldo García-Colín Mexican Meeting on Mathematical and Experimental Physics

Monday, 17 February 2020

SHORT TALKS: SYMPOSIUM ON LASER ABLATION (16:00 - 17:30)

time	[id] title	presenter
16:00	[73] CITLALI SÁNCHEZ: Nanosecond laser nanostructuring of glass assisted by thin films, nanoparticles and nanoprism arrays	
16:45	[74] VICTOR CONTRERAS: Analysis of liquids impurities with LIBS assisted by acoustic levitation sampling.	
17:15	[75] SHARMA KANAKKILLAM: Pulsed laser fragmentation of nanostructured ZnO-Co ₂ O ₃ materials for solar photocatalysis.	

SHORT TALKS: SYMPOSIUM ON SCATTERING, QUANTUM AND CLASSICAL WAVE TRANSPORT (16:00 - 17:30)

time	[id] title	presenter
16:00	[41] JOHN FRANCO: Quantum gravimetry insensitive to external disturbances using composite light pulses	
16:30	[42] GUILLERMO VÁZQUEZ: Reactive transport in terms of Graphical and Chemical Operads	
17:00	[43] THOMAS STEGMANN: Electron optics in phosphorene pn junctions	

SHORT TALKS: SYMPOSIUM ON LASER ABLATION (18:00 - 20:00)

time	[id] title	presenter
18:00	[76] BEATRIZ DE LA MORA: Strategies for functionalization of gold nanoparticles fabricated by laser ablation in liquids.	
18:30	[77] JOSÉ MORALES: Commercial aluminum foil as a substrate for Surface-Enhanced Raman Spectroscopy: A study via atomic force microscopy (AFM) and scanning electron microscopy (SEM).	
18:45	[78] V. GÁMEZ-ALBO: Synthesis of silver nanoparticles in a liquid medium for application as bactericidal and fungicidal agents.	
19:00	[79] LINDA GARCÍA: Femtosecond laser-induced crystallization in Antimony Sulphide thin films (Sb ₂ S ₃).	
19:30	[80] CARLOS ACOSTA: Modelling of single nanosecond laser pulse-induced modifications of Silicon surfaces.	

Wednesday, 19 February 2020

SHORT TALKS: SYMPOSIUM ON LASER ABLATION (16:00 - 17:30)

time	[id] title	presenter
16:00	[87] ARTURO ROBLEDO: Effect of the sample's temperature on the line emission in laser ablation at cryogenic temperatures.	
16:45	[88] OSMARY DEPABLOS-RIVERA: Analysis of plasmas produced by pulsed laser ablation combined with magnetron sputtering.	
17:15	[89] ÁLVARO LÓPEZ: Separation and size determination of silver nanoparticles synthesized by laser ablation in liquid.	

SHORT TALKS: SYMPOSIUM ON SCATTERING, QUANTUM AND CLASSICAL WAVE TRANSPORT (16:00 - 17:30)

time	[id] title	presenter
16:00	[51] ALEJANDRO GARCÍA: On the canonical transformations group and polymer quantum mechanics	
16:30	[52] ANTONIO FERNÁNDEZ: Aerogel-based metasurfaces for perfect acoustic energy absorption	
17:00	[53] ROBIN SAGAR: Information Entropies, Correlations, and Applications in Continuous Variable Quantum Systems	

Thursday, 20 February 2020

SHORT TALKS: SYMPOSIUM ON LASER ABLATION (16:00 - 17:30)

time	[id] title	presenter
16:00	[96] JOSÉ LUIS HERNÁNDEZ: Enhanced light transmission in disordered metallic nanoisland films.	
16:45	[97] NOÉ ENRÍQUEZ: Synthesis of manganese oxides by laser ablation of solids in liquids (LASL).	
17:00	[98] NOÉ ZAMORA: Synthesis of Molybdenum Oxide Nanoparticles by Laser Ablation of Solids in Liquids.	

SHORT TALKS: SYMPOSIUM ON SCATTERING, QUANTUM AND CLASSICAL WAVE TRANSPORT (16:00 - 17:30)

time	[id] title	presenter
16:00	[58] ÁNGEL MARTÍNEZ: Transport studies in three-terminal microwave graphs with orthogonal, unitary, and symplectic symmetry	
16:30	[59] RUTH DIAMANT: Photonic Crystals in the Amplitude and Phase Representation	
17:00	[60] EDUARDO BARRIOS: Laser-induced boundary states in graphite	

Friday, 21 February 2020

SHORT TALKS: SYMPOSIUM ON LASER ABLATION (16:00 - 17:30)

time	[id] title	presenter
16:00	[107] ALEJANDRO CRUZ: Ag:Au bimetallic nanoparticles by pulsed laser ablation in liquid and their coatings.	
16:15	[108] ADRIANA NUÑEZ-CRISTÓBAL: Effect of laser fluency in SI nanocrystal generated by laser ablation.	
16:30	[109] DELFINO REYES: Laser ablated/fragmented carbon materials for the production of photoluminescent nanocolloids.	
16:45	[110] GABRIEL CASTILLO: Ultrafast laser inscription of photonic devices in transparent dielectrics.	

SHORT TALKS: SYMPOSIUM ON SCATTERING, QUANTUM AND CLASSICAL WAVE TRANSPORT (16:00 - 17:30)

time	[id] title	presenter
16:00	[63] LUCA CELARDO: Cooperative effects and long range interactions: from Superradiance to Cooperative Shielding	
16:30	[64] HORACIO PILÓN: An analytic representation for the three-body interaction	
17:00	[65] MAURICIO LÓPEZ: Measuring with Fundamental Constants	