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10th International Symposium "Optics & its applications" | (smr 3756)

Monday 05 December 2022

Universidad del Valle, Cali - (15:00-00:00)

time	title	presenter
15:00	Registration formalities	
15:20	Opening	EFRAIN SOLARTE (UNIVERSIDAD DEL VALLE DEPARTMENT OF PHYSICS, COLOMBIA), JOSEPH NIEMELA (ICTP, ITALY), NARINE GEVORGYAN (A. ALIKHANYAN NATIONAL LABORATORY, ARMENIA)
15:40	Invited talk: Mirrorless degenerate lasing in Fe > Fg atomic system: the overview of ongoing experiments	ARAM PAPOYAN
16:40	Coffee break	
17:00	Invited talk: Classical and quantum integrate photonics	LORENZO PAVESI
18:00	Invited talk: Optics Toolbox for Label-Free Early Embryonic Imaging	KIRILL LARIN
19:00	Lunch break	
20:30	Invited talk: International Engagement in Optics	JOSEPH NIEMELA
21:30	Invited talk: FBG & LPG Sensors Development in Brazil	HYPOLITO JOSE' KALINOWSKI
22:00	Lensless holographic microscopy with holographic point sources and linear diattenuation sensitivity	MARIA JOSEF LOPERA ACOSTA
22:10	On a matrix ensemble for arbitrary complex quantum systems	WILLIAM ESTEBAN SALAZAR ESTRADA
22:20	Ab initio path integral Monte Carlo simulations of hydrogen snapshots at warm dense matter conditions	MAXIMILIAN BOEHME
22:30	Coffee break	
22:50	Topological and superconducting phases in the critical behaviour of a one-dimensional Fermi gas with spin-orbit and Zeeman couplings	DIEGO ALEJANDRO BEDOYA MONTEZUMA
23:00	Photonic effects of iridescent minerals and their optical properties	ESTEFANY CAROLINA CELY RODRIGUEZ
23:10	Fabrication, transfer and optical characterization of few-layers MoS2	MARTIN AVERSA
23:20	Computational method for polarized light ray tracing in optical instruments considering its stress birefringent behaviour	SANTIAGO GARCIA BOTERO
23:30	Rotavirus-proteins affinity dynamics via surface plasmon resonance biosensor	ANYI XIMENA RODRIGUEZ RODRIGUEZ
23:40	Microscopic description of cavity losses in quantum light-matter systems	MATEO LONDONO CASTELLANOS

23:50 Design, assembly and start-up of an experimental setup for optical characterization in biological tissues	DANIELLE VIVIANA OCHOA ARBELAEZ
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