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

Tuesday 06 December 2022

Universidad del Valle, Cali - (15:00-01:00)

time	title	presenter
15:00	Invited talk: Quadruple -spin-charge separation and magnetic phases of a 1D interacting spin-1 gas	KAREM RODRIGUEZ
16:00	Invited talk: Quantum entanglement and the era of quantum technology	ANGELA GUZMAN
17:00	Coffee break	
17:20	Invited talk: The second quantum revolution: a few photonics examples	EBRAHIM KARIMI
18:20	Emission properties of a quantum dot-optical cavity system obtained by Morse-type deformed algebra	ANDRES JOEL MARTINEZ MARTINEZ
18:30	High-order harmonic generation of benzene in a circularly polarized laser field	SAMUEL SCHOEPA
18:40	Theoretical optimization of critical parameters to fabricate a U-shape optical fiber sensor laterally polished by Transfer-Matrix Method	JHON CARLOS YANTEN
18:50	Structural color on wings of the Colombian butterfly Morpho cypris	ANGEL MAURICIO RIVERA TOVAR
19:00	Lunch break	
20:30	Invited talk: The challenge of replacing the crystalline lens	MARIA SAGRARIO MILLAN GARCIA VARELA
21:30	Methodological design for characterization of probiotic protein pegylation by means of spectroscopic ellipsometry technique	PAULA DURAN RODRIGUEZ
21:40	Effect of dephasing and local vibrations in the persistence of Quantum Coherence and emergence of Decoherence in Molecular Junctions	GABRIELA VALENCIA GUZMAN
21:50	Digital Holographic Microscopy with Structured Illumination: A study of the thickness limit of the imaged samples	SOFIA OBANDO-VASQUEZ
22:00	Deep learning method for the reconstruction of optical coherence tomography images with lateral subsampling	DIEGO ALEXANDER PULGARIN SUAREZ
22:10	Effect of speckle removal in hemograms of the skin acquired with visiblelight spectroscopic optical coherence tomography	ISABELLA GOMEZ GALLEGO
22:20	Optical Properties of Annular, Ternary Photonic Crystals with Superconducting and Dielectric Components	JORGE MARIO ESCOBAR AGUDELO
22:30	Coffee break	
22:50	Poster Presentations (1)	

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