

CONFERENCE PROGRAM

09:00	Opening		
09:15	A1	Ana Rita da Silva Rocha Frias	Enhancement of photovoltaic energy conversion by downshifting with organic-inorganic hybrids
09:30	A2	Vivian Maria Campos Soares de Andrade	Synthesis of (GdTb)/FeCo ₂ compounds for magnetostrictive and magnetocaloric studies.
09:45	A3	Bernardo Daniel Antunes Bordalo	Thermal Switches in Solid State Magnetic Refrigeration: Conductivity Change Requirements and Effects
10:00	A4	Cesar Rui de Freitas Bernardo	CINÉTICA DE DECAIMENTO FOTOLUMINESCENTE EM FILMES FINOS DE PONTOS QUÂNTICOS.
10:15	A5	Pedro Rafael dos Santos Prezas	TSDC MEASUREMENTS ON Ca ₁₀ (PO ₄) ₆ (OH) ₂ Beta-Ca ₃ (PO ₄) ₂ AND BIPHASIC BIOCERAMICS
10:30	A6	Bogdan Postolnyi	DEPOSITION AND STUDY OF MULTILAYER COATINGS BASED ON METAL NITRIDES
Coffee Break			
11:15	B1	Nuno Miguel Azevedo Silva	LOCAL MANAGEMENT OF THE NONLINEARITY IN BOSE EINSTEIN CONDENSATES
11:30	B2	Hugo Manuel Castro Gonçalves	Macroscopic SHG induced at the surface of pNA nanocrystals embedded in polymeric nano-fiber scaffolds.
11:45	B3	Cláudio Filipe Vieira Gomes	Scalar field inflation in the presence of a non-minimal matter-curvature coupling
12:00	B4	Catarina Cosme	Scalar field dark matter and the Higgs field
Lunch and Posters			
15:15	C1	Sangeetha Balabhadra	LANTHANIDE ION LUMINESCENCE AS A TOOL FOR NANOTHERMOMETRY
15:30	C2	Ana Rita Oliveira Rodrigues	LIPOSOMES ENTRAPPING MnFe ₂ O ₄ NANOPARTICLES AS NANOCARRIERS FOR ANTITUMOR DRUGS
15:45	C3	Carlos de Oliveira Amorim	UTILIZATION OF PAC OF RADIOISOTOPE TRACKERS AND DFT CALCULATIONS TO DETERMINE LOCAL ENVIRONMENT OF Hg(II) IN DITHIOCARBAMATE FUNCTIONALIZED PARTICLES FOR MAGNETIC REMOVAL OF Hg ²⁺ FROM WATER
16:00	C4	Guilherme Domingos Carvalho Teixeira	Variability study of the high-resolution spectra of an O-star - Preliminary findings
Coffee Break			
16:45	D1	Rui Miguel Abreu Vilarinho da Silva	Interplay of Structural Distortions and Physical Properties on Perovskites
17:00	D2	Niaz Ali Khan	THE KERNEL POLYNOMIAL SIMULATION OF QUANTUM SYSTEMS
17:15	D3	Anselmo Miguel Magalhães Marques	Edge currents in frustrated Josephson junction ladders
17:30	D4	Miguel Noronha da Canhota	INTENSE ULTRASHORT LASER PULSES BY MULTI-PLATE CONTINUUM GENERATION
17:45	D5	Ana Rita Ribeiro	OPTICAL FIBERS FOR BEAM SHAPING AND TRAPPING

Poster Session

14:00:15:15	P1	Icaro Jael Mendonça Moura	Structural and Electronic Properties Calculations of Two-dimensional Materials
	P2	Jennifer Cláudia Passos Teixeira	INFLUENCE OF CdS AND Zn _x Sn _{1-x} O _y BUFFER LAYERS ON THE PHOTOLUMINESCENCE OF Cu(In
	P3	Sandra Filipa Henriques Correia	Scale up the collection area of luminescent solar concentrators towards metre-length flexible waveguiding photovoltaics
	P4	Sílvia Maria Gouveia Rodrigues	Modelling and simulation of nonlinear optical phenomena in hollow-core photonic crystal fibres
	P5	Catarina Dias	MgO as a Resistive Switching Layer
	P6	Alexandre Manuel Pedroso Botas	CHANGES ON THE LIGHT EMISSION FEATURES OF CRYSTALLINE SILICON NANOPARTICLES INDUCED BY SURFACE MODIFICATION
	P7	Helgi Freyr Rúnarsson	Kerr black holes with hair: shadows
	P8	André Gomes da Costa Guerra	Ocean Monitoring with Small Satellites