		June 8th, Thursday
08:00		Registration
08:30	09:00	
09:00	09:15	Plenary | Doctoral Congress Welcome Session (B032)
09:15	09:30	
09:30	09:45	Session I (Chair - Catarina Dias) Engineering Physics Symposium Keynote | Prof. Susana Cardoso
09:45	10:00	
10:00	10:15	
10:15	10:30	Performance of an EHD thruster by the use of the two-term approximation Boltzmann equation and the Maxwell equation for the EEDF for air at low pressure, Victor Granados
10:30	10:45	Fabrication of optical add-drop multiplexers in fused silica by femtosecond laser direct writing, Vitor Amorim
10:45	11:00	Development of Textile Energy Storage Devices based on Nanomaterials, Rui Costa
11:00	11:15	Coffee-Break
11:15	11:30	
11:30	11:45	Session II (Chair - Victor Granados) Laser annealed multiferroic nanostructures, João Alves
11:45	12:00	μSR comparison of two rare-earth oxides: Lu2O3 and Nd2O3, Marco Alberto
12:00	12:15	Two Dimensional Touch and Proximity Sensor Embedded in Textile Structures, Gilberto Loureiro
12:15	12:30	Development of a dual plane polarimeter for future gamma-ray space telescopes, Miguel Moita
12:30	12:45	Resistive Switching in Si/Ag based structures, Catarina Dias
12:45	13:00	Mach-Zehnder Interferometer with microfiber knot resonator for temperature and refractive index discrimination, André Gomes
13:00	13:30	Lunch
13:30	14:00	
14:00	14:30	
14:30	14:45	Session III (Chair - André Cortez) Alignment challenges for E-ELT's METIS Mid-infrared E-ELT Imager and Spectrograph, André Boné
14:45	15:00	Fiber Bragg grating embedded in polymer 3D printed material for acceleration measurement, Rita Lima
15:00	15:15	3D Topological insulators thin films: The Bi2Te3 family, Sofia Ferreira-Teixeira
15:15	15:30	X-ray fluorescence analysis using a standardless method, Luís Martins
15:30	15:45	Giant magnetocaloric effect in R5(Si,Ge)4 compounds, Rui Costa
15:45	16:00	Development of a Q-Switched Microchip Laser for Range Finding Applications in Space, Bruno Couto
16:00	16:15	Porcelain sinterization using microwave radiation, Tiago Santos
16:15	16:30	Low specific cost Cold Thermal Energy Storage system, António Rocha
16:30	17:00	Posters & Coffee Break
17:00	17:30	
17:30	18:00	
18:00	18:30	
18:30	19:00	

		June 9th, Friday
08:00	08:30	Registration
08:30	09:00	
09:00	09:15	Session IV (Chair - Sílvia Soreto) Overview of the R&D activities for gas separation experiments with zeolite membranes for fusion applications at the TLK, Rodrigo Antunes
09:15	09:30	Fabrication of a Monolithic Optofluidic Evanescent Sensor, João Maia
09:30	09:45	Magnetic nanoparticles soaked on chitosan for detection of Helicobacter pylori on gastric environment, Inês Cruz
09:45	10:00	On the construction of an Atomic Force Microscope, Arthur Vieira
10:00	10:15	Influence of Additive Gases on the Ion Transport Properties in Xenon, José Perdigoto
10:15	10:30	Synthesis and characterization of hexagonal boron nitride by CVD for integration with graphene electroncis, Balaji Sompalle
10:30	10:45	Coffee-Break
10:45	11:00	
11:00	11:15	Session V (Chair - André Gomes) Yttrium ferrites with high dielectric constant for electronic applications, Sílvia Soreto
11:15	11:30	Development of a Directionality Detector and RADEM Radiation Analysis for the JUICE Mission, Marco Pinto
11:30	11:45	Magnetization Dynamics on Ferromagnetic Thin Films and Nanostructures, Ana Silva
11:45	12:00	Characterization of silicon photomultiplier array for position sensitive scintillation detectors, João Marcos
12:00	12:15	Structural and dielectric properties of ErNbO4 for microwave applications, Susana Devesa
12:15	12:30	Modifying liquid crystal properties by co-crystallization, Luís Negrão
12:30	12:45	Lunch
12:45	13:00	
13:00	13:30	
13:30	14:00	
14:00	14:30	
14:30	14:45	Plenary | PhDs in Companies Pitch
14:45	15:00	
15:00	15:15	
15:15	15:30	
15:30	15:45	
15:45	16:00	
16:00	16:15	Networking & Coffee Break
16:15	16:30	
16:30	17:00	
17:00	17:30	Plenary | PhDs in Companies Round table
17:30	18:00	
18:00	18:30	
18:30	19:00	Closing reception

Poster Session | June 8th, Thursday
An overview of commissioning of GRAVITY at The Very Large Telescope Interferometer of ESO, Narsireddy Anugu, Antonio Amorim, Paulo Garcia and Paulo Gordo
Bi2Te3 Thin Films and Their Future Application in Thermoelectric Devices, Ana Lúcia Pires, Inês Figueiredo, Pedro Resende and André M. Pereira
Deflection Sensor based on Magnetostrictive Microcantilevers magnetically actuated, Beatriz Silveira, João Belo, Rui Pinto, Orlando Frazão, André Pereira, João Pedro Conde and Virgínia Chu
Enhanced Microcantilever for Applications in MEMS: Comparison between Numerical Simulations and Experimental Results, T. D. Ferreira, J. H. Belo, B. Silveira, R. Pinto, O. Frazão, V. Chu, J. P. Conde and A. M. Pereira
Estimation of atmospheric turbulence parameters from Shack-Hartmann wavefront sensor measurements - iterative correction of effects from Zernike modes cross-coupling, Paulo Andrade, Carlos M. Correia, Johann Kolb, Paulo J. V. Garcia and Maria Inês Carvalho
Fabrication and optimization of broadband Y-junction splitters in fused silica by femtosecond laser direct writing, Vítor A. Amorim, João M. Maia, D. Alexandre and P. V. S. Marques
High aspect-ratio hematite nanostructures for photoelectrochemical water splitting, Paula Quitério, Joao Araujo and Célia Sousa
MPGD for X-ray imaging Purposes, Sara Sousa, Lara Carramate, Ana Silva, Carlos Azevedo and João Veloso.
Multi-Grid HPXe Gas Proportional Scintillation Counter - New Developments, André Filipe Ventura Cortez, Filipa Borges, Sérgio Do Carmo and Carlos Conde
Navigation Using Signals of Opportunity, David Leite, Bruno Filipe Oliveira Correia and Nuno André Teixeira Moreira
Point-by-point optical fiber Bragg gratings fabricated by femtosecond laser exposure, Duarte Viveiros, João Ferreira, Pedro A. S. Jorge and P. V. S. Marques
Quantum Key Distribution with Continuous Variables, Daniel Pereira, Margarida Facão, Nuno Silva and Armando Pinto
Recent advances in solar-pumped lasers, Joana Almeida and Dawei Liang
Triboelectric Generator to Harvest Energy from the Motion of Fluids, Cátia Rodrigues, Carla Alves, Joel Puga, André Trindade and João Ventura
Zinc Oxide as a Material for Thermoelectric Power, M. M. Maia, A. L. Pires, A. M. L. Lopes and A. M. Pereira