

	June 11th, Thursday	June 12th, Friday
8:00	Registration	
9:00	Welcome Session	
9:30	Plenary session 1	Plenary session 2
10:30	Coffee-Break	Coffee-Break
11:00	Session 1 Chair Carla Rosa <i>Symposium Keynote Lecture</i> , José Salcedo (30 min) Highly ordered hexagonal arrays of TiO ₂ nanotubes, Arlette Apolinário (15 min) Wavelength Modulation Spectroscopy for Ammonia Sensing, Duarte Viveiros (15 min) Novel Techniques for Gaseous Radiation Detectors, André Cortez (15 min) Tuning the Magnetocaloric effect on Gd-Si-Ge thin films by annealing, Ana Lúcia Pires (15 min) Magnetocaloric effect and refrigerant capacitance in perovskite RCrO ₃ (R=Y, Yb, Er, Sm), Gonçalo Oliveira (15 min)	Session 3 Chair Paulo Garcia <i>Best engineering physics poster prize award</i> (15 min) Physical properties of ferrites and ferrite composites prepared by different methods, Sílvia Soreto (15 min) Electrical polarization of Hydroxyapatite-based ceramics, Pedro Prezas (15 min) Optical sensors for magnetic field measurement, Ivo Nascimento (15 min) 15 K Liquid Hydrogen Energy Storage Unit for Space Applications, Patrícia Sousa (15 min.) Dual-imaging ophthalmic system using optical coherence tomography and scanning laser ophthalmoscopy, Manuel Marques (15 min) Self-Diffraction Dispersion-Scan (SD d-scan): a new ultrashort pulse characterization scheme, Miguel Canhota (15 min)
13:00	Lunch	[group photo] Lunch
14:30	Session 2 Chair Rui Marques Characterization of nanostructures of Ga ₂ O ₃ using Perturbed Angular Correlations, Marcelo Barbosa (15 min) Compact medical gamma camera, João Marcos (15 min) Resistive switching in BaTiO ₃ thin films, José Silva (15 min) Simulation of a DC-discharge ionic wind generator in low pressure nitrogen, Victor Granados (15 min) Experimental analysis of PLA, PLA/GNP and PLA/CNT-COOH biodegradable polymer-matrix nanocomposites thin films during hydrolytic degradation, Viviana Pinto (15 min) Generation and characterization of few-cycle GW-level phase-stable optical waveforms using dispersion-scan, Francisco Silva (15 min.) <i>Poster pop-ups (1 min/poster)</i>	Session 4 Chair Luís Cadillon Production and characterization of R ₅ (Si,Ge) ₄ magnetocaloric and magnetostrictive thin films, João Belo (15 min) Analysis of temperature homogeneity of the CLOUD chamber at CERN, António Dias (15 min) Development of a micro PET system with improved spatial resolution through depth-of-interaction measurement, Pedro Correia (15 min) Resistive switching in MgO thin films deposited by magnetron sputtering, Luís Guerra (15 min.) Electronic properties of transition metal dichalcogenides - a new class of 2D materials, João Braz (15 min) Magnetic control of ferroelectric phase in Tb(Mn,Fe)O ₃ , Daniel Passos (15 min) Caterpillar-like microstructured fiber sensor for acetone evaporation, André Gomes (15 min)
16:30	Coffee Break + Poster Exhibition	Coffee-Break
17:00		
17:30	Alumni Session I	Alumni Session II & Parallel INEC-TEC session
18:00		
18:30		
19:00	Parallel workshops	Parallel workshops
19:30		
20:30		Conference Dinner (Postigo do Carvão) + Awards

Posters

- 1 Best configurations for image reconstruction, Nuno Gomes et al.
- 2 Coated optical fibres for sensing at INESC TEC, Luis Coelho, Jose Almeida et al.
- 3 Compression mechanisms under high pressure perovskites-like structures, Rui Vilarinho et al.
- 4 Correcting cross-coupling and aliasing effects in the estimation of atmospheric turbulence parameters from Shack-Hartmann wavefront sensor data, Paulo Andrade et al.
- 5 Effect of ion substitution on RF and microwave dielectric properties of BiNbO₄ ceramics prepared by the sol-gel method, Susana Devesa et al.
- 6 Estimating visibility amplitudes with the PRIMA fringe trackers, Nuno Gomes et al.
- 7 Experimental ion mobility measurements in Ar-CO₂ and Ne-CO₂ mixtures, Pedro Encarnação et al.
- 8 Ferroelectric imprint on codoped BiFeO₃ film, Teresa Carvalho et al.
- 9 Fiber Optical Tweezers for cell manipulation, Ana Rita Ribeiro et al.
- 10 GRAVITY instrument to study Galactic Center, Narsireddy Anugu et al.
- 11 Growth of Palladium nanowires and dendrites through Pulsed Electrodeposition in Nanoporous Alumina Templates, Pedro Rodrigues et al.
- 12 Near infrared multiple beams analyzing system software and characterization results, Narsireddy Anugu et al.
- 13 On a small satellite to integrate multiple capabilities for ocean monitoring, André Guerra et al.
- 14 Study of the TiO₂ nanotubes growth with the anodization charge curves, Paula Quitério et al.
- 15 Stability of Tetraphenyl Butadiene thin films in Liquid Xénon, Filipa Balau et al.
- 16 Using microwave radiation to process materials: drying and sintering ceramics, Tiago Santos et al.