

**MC5 Magnetism with societal impact I**

Wednesday, 4 September, afternoon

Chair(s): Diana Leitao

Room:

Hours	ID	Name	Type	Title
16h00-16h30	5131	Tito Trindade	Invited	Magnetic and Light-Scattering Synergies in Multifunctional Nanocomposites for Improving Water Quality
16h30-16h45	15129	Sofia Caspani	Oral	High-aspect ratio magnetic nanostructures for biomedical applications
16h45-17h15	12638	Nuno J Oliveira Silva	Invited	Imaging Magnetic Properties and Temperature
17h15-17h30	5130	Vital C. Ferreira-Filho	Oral	Influence of SPION Surface Coating on Magnetic Properties and Theranostic Profile
17h30-18h00	13572	Celia Tavares de Sousa	Invited	Magnetoplasmonic Nanostructures for Biomedical Applications
18h00-18h30	15127	Manuel Bañobre-López	Invited	Magnetic Theranostics: From Fundamental Design to Preclinical Applications

**MC5 Magnetism with societal impact II**

Thursday, 5 September, morning

Chair(s): Célia Sousa

Room:

Hours	ID	Name	Type	Title
10h30-11h00	13848	Rafael F Sousa Almeida	Invited	A new kind of magnetic refrigeration: harnessing the demagnetizing effect
11h00-11h30	13824	Urban Tomc	Invited	Efficient and static magnetic field source for high frequency magnetocalorics
11h30-11h45	13141	João P C Maganinho	Oral	Magnetic Liquid Metals for Thermal Management
11h45-12h00	13753	Ricardo M.C. Pinto	Oral	A COMSOL Study on a Galinstan MHD Induction pump for Superior Power Electronics Cooling
12h00-12h30	12601	Anna Galler	Invited	Intrinsically weak magnetic anisotropy of cerium in potential hard-magnetic intermetallics
12h30-17h00	13452	Sophie Rivoirard	Invited	MagREEsources : the green Rare Earth Magnet company

**MC5 Magnetism with societal impact III**

Thursday, 5 September, afternoon

Chair(s): Elvira Paz

Room:

Hours	ID	Name	Type	Title
16h00-16h30	12736	Elvira Paz	Invited	Large area magnetic tunnel junction sensors with linear signal to reduced noise
16h30-16h45	13472	Carmen Rial Tubio	Oral	Fabrication and Performance of Soft Magnetoactive Materials
16h45-17h15	12838	Rute Rodrigues Santos	Invited	Geomagnetically Induced Currents in transport infrastructure
17h15-17h30	13776	Diana C Leitao	Oral	Designing magnetoresistive sensors with tunable characteristics
17h30-18h00	13004	Diogo C. Vaz	Invited	Voltage-based magnetization switching and reading in magnetoelectric spin-orbit nanodevices
18h00-18h30	13483	Atreya Majumdar	Invited	Magnetic materials for unconventional computing - towards scalable, fast, and energy-efficient systems

**Poster Session**

Thursday, 5 September

ID	Name	Title
13128	Pablo Hernandez-Gomez	Effect of Co substitution on the transverse susceptibility in ZnY multiferroic hexaferrite nanoparticles
15128	Beatriz G. Morgadinho	Multifunctional Iron Oxide-Graphene Nanoplatfom for hyperthermia and magnetic targeted drug delivery