Wednesday 5th (Afternoon)

15:00	**Registration**	
15:30	**Welcome**	
15:45	David Robles Cuenca	Influence of Deposition Temperature and Substrate on Structural Ordering in Sputtered Co_2MnAl Heusler Thin Films
16:00	Diego Enrique Gómez Ribeiro	Spinwave modes in synthetic antiferromagnetic nanodots
16:15	Maider Pinillos	Search for Exchange bias interaction in FeMn/NiFe bilayers grown by thermal evaporation
16:30	Rodrigo Cubero Hernández	Influence of Light-Element Addition on the Magnetic Properties of FeCo Alloys under High-Energy Milling
16:45	Juan Antonio Lirio Piñar	Magnetic Activated Carbon Particles: From Magnetic Responsiveness to Stimulus-Activated Drug Release
17:00	**Poster Session & Coffee Break**	
17:30	Juan Diego Aguilera Martín	Interaction of Love Waves and Magnetic Fields in Magnetostrictive Iron-Gallium Films
17:45	Zhonghao Chang	Numerical Study on the Frequency Dependence of the Direct Magnetocaloric Effect of Gd Film
18:00	Moisés Gilberto Zarzoza Medina	In-field SAXS Study of Nanocube Assemblies: Test of Super Magnetostriction
18:15	Daniel Rizo Molina	Converse magnetoelectric coupling in a hybrid $Ni_{90}Fe_{10}$/ $LiNbO_3$(104) heterostructure
18:30	Short break	
18:40	***Special IEEE Transfer Talk:*** **Elena Hernández**	
19:10	Conference Mónico Sánchez	

Thursday 6th (Morning)

9:00	Enrique Conde López	Hysteresis-Time Domain Correlation in Microwires: Insights for Sensor Development
9:15	Weiwei He	Topological magnetic textures in Janus two-dimentional magnetic materials
9:30	Pablo Martínez Outomuro	Anomalous Nernst Effect on Magnetic Multilayers with Flexible Substrate
9:45	Alejandro Descalzo Ruiz	Tunable pase transition temperaturas of all-d-metal Ni(Co)Mn(Fe)Ti Heusler alloys
10:00	***Invited talk:* Ángel Sota Múñoz.** Fabrication of Soft Magnetic Materials through Powder Metallurgy Routes	
10:30	**Poster Session & Coffee Break**	
11:00	Antonio Marcos de León Sánchez	Extended Domain Walls and Thermal Hysteresis in Ferrimagnetic GdCo/Co multilayers
11:15	Iker Lorenzo Feijoo	Modeling the combined impact α-Fe_2O_3 and grain size distribution on the coercivity of $Sr_xBa_{1-x}Fe_{12}O_9$ ceramic powders
11:30	Yogendra Kumar	Domain wall dynamics in curved mangnetic nanostructures
11:45	Jorge Gómez Hurtado	Vibrational Energy Harvesters base don Magnetic Levitation
12:00	Diego Monzón Martín	Anisotropy development of recycled Nd-Fe-B poder via gas atomization and hydrogenation-disproportion-desorption-recombination (HDDR)
12:15	Torytrans	
12:30	***Invited talk:* Alonso José Campos**. A journey from PhD to techonology transfer and science entrepreneurship	
13:00	**Lunch**	

Thursday 6th (Afternoon)

14:30	Olga González Carretero	Resonance and domain dynamics in magnetic microwires under structural modifications
14:45	Jorge Ara Escario	Size-Dependent Antiferromagnetism and Direct Observation of Néel Axes in NiO nanoparticles
15:00	María Garrido Segovia	Synthesis ande Characterization of Sputter-Deposited Gold-Iron Nanostructures for Magnetic and Magnetoplasmonic Applications
15:15	Nanotech Solutions	
15:30	**Coffee Break**	
16:00	***IEEE PhD Award:*** **Carla Boix.** Tuning the Properties of Two-Dimensional Magnetic Heterostructures via Interface Engineering with Molecular and Inorganic van der Waals Crystals	
16:50	**Awards & Closing Ceremony**	
17:05	**IEEE Meeting**	
17:30	**Guided Tour**	

Friday 7th (Morning)

9:15	**Welcome**
9:20	Yayoi Takamura (IEEE DL, UCDavis, USA) Tailoring Magnetic Spin Textures in La0.7Sr0.3MnO3-Based Micromagnets
10:10	Josep Nogués (ICN2, Barcelona) Magnetoplasmonic Nanocapsules as Wirelessly Controlled Nanotherapies
11:00	**Coffee Break**
11:30	Andreas Michels (University of Luxemburg) Magnetic Small-Angle Neutron Scattering: A Probe for Mesoscale Magnetism Analysis
12:20	S. Velayos Awards: A. Labarta, X. Batlle, B Martínez
13:10	**CEMAG General Assembly**

P01	Zhe Cui	Integrating High-Throughput DFT and Machine Learning for Predicting Magnetocaloric Properties in MM'X Alloys
P02	Manuel Horcajo	Photothermal and Magnetic Hyperthermia Performance of Magnetite Nanoparticles: Role of Size and Aggregation
P03	Jorge Alejandro López Solaiman	Magnetic Nanostructures Fabrication through Hole Mask Colloidal Lithography and Langmuir-Blodgett Technique
P04	Raquel Loriente	Magnetoelastic Resonance-Based Microwire Sensors for Biosensig Applications
P05	Jorge Revuelta Losada	Magnetic reversibility accompainbed by termal hysteresis in magnetocaloric materials: a lock-in thermography study
P06	Adrián Fernández-Calzado	Improved Strontium Ferrite: Permanent Magnet Material for the European Green Transition
P07	Elisa Herrera	Magnetic self-healing composites for solid state refrigerationg applications
P08	Shirin Talebniya	Comparative First-Principles Analysis of Gas Adsorption of Fe_3O_4(111) for Magnetic Sensor Development
P09	Elham Molahosseini	$CoFe_2O_4$/GO/SiO_2 Magnetic Nanocomposites: High-Performance and Recyclable Nanocatalyst for Treatment of Water and Wastewater from Methylene Blu Dye
P10	Alix Tatiana Escalante Quiceno	Magnetic Force Microscopy Probe Enhancement and Magnetic Multilayer Modification via Focused Helium and Gallium Ion Beams
P11	Carlos I. Fernández-Cuevas	From Amorphous to Crystalline: Annealing Effects on the Crystallization and Coercivity Evolution in FeNi-based Ribbons

P12	Mario de Miguel Domínguez	Gas detection using magnetostatic spin wave-supported heterodyne systems
P13	Raúl López Martín	FeCo Granular Films of Ultra-high Magnetisation: Structure and Origin
P14	Sofía Belmonte	Magnetic nanostructures as tolos for the detection of disease biomarkers in breath
P15	Iago López Vázquez	Applicability of macrospin models to describe the magnetization reversal of nanoparticles with superellipsoidal shapes
P16	Rubén Corcuera	Spin-Seebeck effect detection through Joule heating in hybrid ferrimagnetic-superconducting heterostructures
P17	Mariana Ríos Naranjo	Magnetocaloric and magnetostructural properties of $Ni_{35}Mn_{45-x}Co_{5+x}Ti_{15}$ ribbons
P18	Pablo Palacios Alonso	AC Hysteresis as a versatile tool for nanoparticle and solvent characterization
P19	Santiago Ceballos Medina	Micromagnetic simulations in the Exchange spring phenomenon on MnAlC/FeNi thin films
P20	Siraj Ul Haq	Monte Carlo-Based Cone Angle Approach for Accurate BD-KMC Magnetic Nanoparticle Simulations
P21	Juan Esteban Bedoya	Phase Diagrams Construction Using Mean-Field Renormalization and Neutral Network Fitting