

SpLine Meeting 2019 –PROGRAMME



Venue: ICMM auditorium
Thursday May 30th, 2019



8:00 – 9:00	Registration
9:00 – 9:20	Welcome and opening: Prof. Marcos Daniel Zayat Sous Director de Instituto de Ciencia de Materiales de Madrid - ICMM Consejo Superior de Investigaciones Científicas - CSIC Prof. José Juan Sánchez Serrano Subdirector General S.G. de Internacionalización de la Ciencia y la Innovación Ministerio de Ciencia, Innovación y Universidades - MCIU Prof. Elena Domínguez Cañas Vicepresidenta Vicepresidencia de Relaciones Internacionales - VRI Consejo Superior de Investigaciones Científicas - CSIC



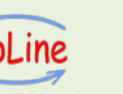
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9:30 – 10:15	The ESRF-EBS and the Next Chapter in X-ray Science	Harald Reichert Director of Research in Physical Sciences ESRF - The European Synchrotron
10:15 – 10:45	SpLine (BM25B) upgrade opportunities	Juan Rubio Zuazo SpLine CRG BM25 Beamline / ICMM-CSIC
10:45 – 11:30 Coffee break		
Session 1: Users' report from Branch B 11:30 - 13:00		
11:30 – 11:45	Eleven Years at 25B	Holger L. Meyerheim Max-Planck-Institut für Mikrostrukturphysik; Germany
11:45 – 12:00	Device in operation: microscopic aspects behind the resistance-change mechanism in lanthanum nickelate memristors	Mónica Burriel Univ. Grenoble Alpes, CNRS; France
12:00 – 12:15	HAXPES applied to devices for the production and storage of energy: present and future	José Abad Depto. de Física Aplicada, Universidad Politécnica de Cartagena; Spain
12:15 – 12:30	Formation of ultrathin Co ferrite films due to interdiffusion of CoO/Fe ₃ O ₄ bilayers on SrTiO ₃ (001)	Joachim Wollschläger Department of Physics, Universität Osnabrück, Osnabrück; Germany
12:30 – 12:45	Unveiling the role of structure in epitaxially engineered Fe ₃ O ₄ /La _{0.7} Ca _{0.3} MnO ₃ heterostructures by GIXRD in BM25B	Rosalía CID CIC EnergiGUNE, Parque Tecnológico de Álava, Spain
12:45 – 13:00	Low dimensional materials for optoelectronics and biosensing	Alicia de Andrés Instituto de Ciencia de Materiales de Madrid, CSIC; Spain
13:00 – 14:30 Lunch		
Session 2: Users' report from Branch B, cont. 14:30 - 15:30		
14:30-14:45	Formation of a TiO(001) epitaxial thin film on TiO ₂ (110) induced by ion bombardment	Oscar Rodríguez de la Fuente Dpto. Física de Materiales, Facultad de Ciencias Físicas, UCM, Spain
14:45 – 15:00	Grazing-incidence X-ray diffraction study of a solid acetone fibre-textured thin film	Iván da Silva ISIS Neutron and Muon Source, STFC Rutherford Appleton Laboratory; United Kingdom
15:00 – 15:15	Synchrotron Techniques applied to Energy Materials	Ulises Amador Universidad CEU San Pablo; Spain
15:15 – 15:30	A SCD Facility for Underpinning Modern Spanish Chemistry? A New Proposal and an Old Vindication from the Chemistry Scientific Community	Fernando J. Lahoz Universidad de Zaragoza-CSIC, Spain
15:30 – 17:00	Poster Session and Coffee	
17:00 – 18:00	Round-table: BM25B brainstorm	



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Session 1: Users' report from Branch A 9:00 - 10:50		
9:00 – 9:30	BM25A: the branch A of the Spanish CRG BM25 beamline at the ESRF: A personal testimony and an activity report	Germán R. Castro SpLine CRG BM25 Beamline;
9:30 – 9:50	How muffin tins (and other baking tools) can shape your way of seeing things	Félix Jiménez-Villacorta ESS-Bilbao; Spain
9:50 – 10:10	User and Local Contact in the X-ray absorption spectroscopy instrument at the SpLine-branch A: 2009-2018	Aida Serrano Instituto de Cerámica y Vidrio, CSIC; Spain
10:10 – 10:30	Local temperature probe for nanoparticles in selective hyperthermia therapies by means of X-ray absorption fine structure spectroscopy	Álvaro Muñoz Noval Dpto. Física Materiales, UCM; Spain
10:30 – 10:50	Study of Oxygen Vacancies Generation Process in La _{0.7} Ca _{0.3} MnO _{3-x} Perovskite by Polarized X-Ray Absorption Spectroscopy in BM25A	E. Salas-Colera Instituto de Ciencia de Materiales de Madrid, CSIC; Spain
10:50 – 11:30 Coffee break		
Session 2: Users' report from Branch A, cont. 11:30 - 13:00		
11:30 – 11:45	Investigations on FeGa alloys by XAS techniques	Rocío Ranchal Dpto. Física Materiales, UCM; Spain
11:45 – 12:00	Results and critical evaluation of XAS and SR-XRD of transparent glass-ceramics doped with rare-earth ions	Alicia Durán Instituto de Cerámica y Vidrio, CSIC; Spain
12:00 – 12:15	Characterization of semiconductor micro and nanostructures by advanced synchrotron techniques	Javier Bartolomé Instituto de Ciencia de Materiales de Madrid, CSIC; Spain
12:15 – 12:30	XAS Study of Titanium Local Order in N- and O-Doped TiO ₂ Anatase	Igor Krivtsov Department of Organic and Inorganic Chemistry, Universidad de Oviedo; Spain
12:30 – 12:45	XAS Characterization of Ru-TiO ₂ Thermo-Photo Catalysts	Marcos Fernández-García Instituto de Catálisis y Petroleoquímica; CSIC; Spain
12:45 - 13:00	XANES as a tool for europium oxidation state determination and their quantification in long-lasting phosphor materials	Rocio E. Rojas-Hernandez Department of Materials Engineering, Tallinn University of Technology, Estonia
13:00 – 14:30 Lunch		
Session 3: Users' report from Branch A, cont. 14:30 - 16:00		
14:30 – 15:00	Thesis Award SpLine Meeting 2019	
15:00 – 15:15	In-situ study of color centers generated by X-ray irradiation in sodalime glasses using a XAS-SPR setup	Fernando Gálvez Dpto. Física Materiales, UCM; Spain
15:15 – 15:30	On the exceptional durability of Mo-Si-N-based solar selective coatings: X-ray Absorption Spectroscopy at Mo K-edge	Eva Céspedes IMB-CNM, CSIC; Spain
15:30 – 15:45	Superconductivity in the FeSr ₂ YCu ₂ O _y system: XAS study of charge distribution and local structure	Sara A. López-Paz Departamento Químico Inorgánica, UCM; Spain
15:45 – 16:00	SpLine: A service to the scientific Spanish scientific community	Miguel Ángel García Tuñón Instituto de Cerámica y Vidrio – CSIC; Spain
16:00 – 18:00	BM25A farewell party	