



ALBA User Meeting 2013 and VI AUSE Conference
Programme



Tuesday, September 3rd			
<i>13:00</i>	-	<i>15:00</i>	<i>Inscription and lunch</i>
15:00	-	15:20	Welcome Dr. Caterina Biscari , ALBA Director Dr. María E. Dávila , AUSE President
15:20	-	16:10	Invited talk: "MAX IV beamlines" Dr. Franz Hennies Coordinator MAX IV beamline project, Lund, Sweden
16:10	-	16:30	Oral contribution: High-Pressure Cell for in situ X-ray absorption studies of nanocatalysts Dr. Carlos Escudero et al.
16:30	-	16:50	Oral contribution: Time-Resolved Magnetic and Structural Study on the Biomineralization Process of Magnetite in Magnetotactic Bacteria <i>Magnetospirillum gryphiswaldense</i> Dr. Ma. Luisa Fdez-Gubieda et al.
16:50	-	17:10	Oral contribution: Evidence of hole states in nanostructured NiO thin films observed by X-ray absorption spectroscopy Dr. Alejandro Gutiérrez et al.
17:10	-	17:30	Oral contribution: Controlled Enrichment of Wheat Selenoaminoacids by Chemical Tuning Using Synchrotron XANES Techniques Dr. Manuel Valiente et al.
<i>17:30</i>	-	<i>19:30</i>	<i>Coffee and posters discussion: ALBA & AUSE Users</i>
<i>The authors registered as poster price contender should be present to answer the selection committee questions.</i>			
19:45	Buses to Hotel Campus, UAB		

Wednesday, September 4th

8:30		Buses to ALBA		
9:00	-	9:50	Invited talk: "Overview of XFEL and specially about the users consortia"	Dr. Serguei Molodtsov Scientific Director of XFEL.EU, Hamburg, Germany
9:50	-	10:10	Oral contribution: Molecular Packing in Polymer:Fullerene Organic Solar Cells	Dr. Nichole Cates Miller et al.
10:10	-	10:30	Oral contribution: From Channel-Forming Ionic Liquid Crystals Exhibiting Humidity-Induced Phase Transitions to Nanostructured Ion-Conducting Polymer Membranes	Dr. Jaime J. Hernández et al.
10:30	-	10:50	Oral contribution: Grazing Incidence Small Angle X-Ray Scattering (GISAXS) as a tool for characterization and optimization of polymer nanostructures	Dr. I. Martín Fabiani et al.
10:50		- 11:20		<i>Coffee break</i>
11:20	-	11:50	Talk given by the winner of the AUSE price to the best Doctorate Thesis using Synchrotron Radiation 2011/2012	Dr. Immaculada Martínez Rovira
11:50	-	12:10	Oral contribution: The quatsome concept investigated through a combination of molecular dynamics simulation and synchrotron SAXS data	Dr. Evelyn Moreno-Calvo et al.
12:10	-	12:30	Oral contribution: Amino Acid Modifications Unraveled Through High Resolution Data Obtained Using Synchrotron Radiation	Dr. Sergio Martínez-Rodríguez et al.
12:30	-	12:50	Oral contribution: Automatic Segmentation of Spherical Structures in Soft-X ray images Using the Circular Hough Transform	Dr. Rubén Cárdenes et al.
12:50	-	13:10	Oral contribution: Synchrotron X-ray microtomography: applications to material science	Dr. Federico Sket et al.

13:10	-	14:30	Lunch	
14:30	-	15:20	Invited talk: "ESRF Upgrade"	Dr. Harald Reichert Scientific Director of ESRF, European Synchrotron Radiation Facility
15:20	-	15:40	Oral contribution: Structural phase transitions in RFe ₂ O ₄ (R= Tm, Yb, Lu, Y) studied by high resolution x-ray diffraction	Dr. Javier Blasco et al.
15:40	-	16:00	Oral contribution: Time-resolved resonant magnetic scattering study of the ultrafast demagnetization of stripe domains using the low- α mode at SOLEIL synchrotron	Dr. Víctor López-Flores et al.
16:00	-	16:20	Oral contribution: Resonant X-Ray Scattering of the incommensurate lattice modulations in La _{0.4} Sr _{1.6} MnO ₄ .	Dr. Joaquín García et al.
16:20	-	16:50	Keynote talk: "Status of SpLine"	Dr. Germán Castro SpLine beamline responsible, Spanish CRG-beamline at ESRF
16:50	-	17:15	Coffee break	
17:15	-	18:15	Round table: "Use of synchrotron radiation by the Spanish scientific community"	
18:15	-	19:30	AUSE general assembly	
19:45			Buses to Hotel Campus, UAB	

Thursday, September 5th				
8:30			Buses to ALBA	
9:00	-	9:30	"ALBA status, possible collaborations, 2014 call-for-proposals and perspectives"	Dr. Miguel A. G. Aranda
9:30	-	9:50	"MSPD status & near-future upgrades"	Dr. François Fauth
9:50	-	10:10	"CLÆSS status & near-future upgrades"	Dr. Vera Cuartero
10:10	-	10:30	"CIRCE status & near-future upgrades"	Dr. Lucia Aballe
10:30	-	10:50	"BOREAS status & near-future upgrades"	Dr. Manuel Valvidares
10:50		11:20	Coffee Break	

11:20	-	11:50	Oral contribution for MSPD: Powder Diffraction. Cluster-based direct methods to Mythen-II synchrotron powder diffraction data of organic compounds	Dr. Oriol Vallcorba et al.
11:50	-	12:10	Oral contribution for MSPD: High-pressure Diffraction. Study of the structural evolution of In ₂ O ₃ polymorphs under pressure	Dr. J.A. Sans et al.
12:10	-	12:30	Oral contribution for CIRCE - PEEM. Strain Mediated Electric Field Manipulation of Spin Structure in Nickel Nanostructures on PMN-PT	Dr. M. Foerester et al.
12:30	-	12:50	Oral contribution for BOREAS. Understanding the ϵ -Fe ₂ O ₃ polar magnet with synchrotron radiation	Dr. M. Gich et al.
12:50	-	13:10	Invited talk: "The mind has no sex?"	Dr. Adela Muñoz Universidad de Sevilla
13:10	-	13:30	Round table: Women in Science	
13:30	-	14:30	Lunch	
14:30	-	14:50	"MISTRAL status & near-future upgrades"	Dr. A. Sorrentino
14:50	-	15:10	"NCD status & near-future upgrades"	Dr. Juan C. Martínez
15:10	-	15:30	"XALOC status & near-future upgrades"	Dr. Jordi Juanhuix
15:30	-	15:50	Oral contribution for NCD. Synchrotron Studies of Mesophases in Polymeric Systems	Dr. E. Pérez et al.
15:50	-	16:10	Oral contribution for XALOC. Structural basis for DNA binding by the auxin-dependent ARF transcription factors	Dr. Roeland Boer et al.
16:10	-	16:40	ALBA accelerators	Dr. Montse Pont
16:40	-	17:30	Coffee and poster discussion: AUSE & ALBA users	
17:30	-	18:10	ALBA Strategic Plan 2013-2016	Dr. Salvador Ferrer
18:10	-	19:10	General Discussion on the ALBA Strategic Plan 2013-2016	
19:15			Bus to Hotel Campus, UAB	
21:00			Gala Dinner (with the presentation of the best poster prizes)	
0:00			Buses to Hotel Campus, UAB	

Satellite Workshop

Friday, September 6th			
8:20		Buses to ALBA	
8:30	-	8:50	Inscription (for the participants of just this workshop)
8:50	-	9:00	Introduction to the conference "Biomedical applications of synchrotron radiation" Dr. Miguel A. G Aranda
9:00	-	10:00	Invited talk: "Biomedical applications of IR synchrotron radiation" Dr. Paul Dumas Main scientist of SOLEIL infra-red microscopy beamline, Paris, France
10:00	-	11:00	Invited talk: "Drug development and synchrotron radiation" Dr. Jordi Benach Beamline scientist of ALBA macromolecular crystallography beamline, Barcelona
11:00	-	11:30	Coffee break
11:30	-	12:30	Invited talk: "Cartography of a whole cell by cryo- synchrotron X-ray nano-tomography " Dr. José L. Carrascosa Centro Nacional de Biotecnología, CSIC-Madrid
12:30	-	13:30	Invited talk: "SAXS biomedical imaging: present and perspectives" Dr. Manuel Fernández Xenocs, France
13:30	-	15:00	Lunch
15:00	-	16:00	Invited talk: "Imaging cells and tissues by synchrotron X-ray fluorescence" Dr. Richard Ortega CNRS research director, Centre Etudes Nucléaires de Bordeaux Gradignan, France
16:00	-	17:00	Invited talk: "Analysis of the in-vitro therapeutic effectiveness of synchrotron radiation split in space: Mini-beam treatment of radioresistant tumors" Dr. Manel Sabes Universitat Autònoma de Barcelona
17:00	-	18:00	Coffee with exchange between participants, speakers and beamline scientists of ALBA
18:00	-	19:30	Visit to ALBA for the interested participants