

EULASUR is an European funded project with an interdisciplinary Europe-Latinamerica dispersed group of researchers. As part of its programmed activities, the 2nd Summer School on Simulation, Characterization and Optical Methods for Materials and Nanomaterials (Multifunctional Ceramics and Hybrids Materials) will be held at La Plata, Argentina between 4 to 9 September 2011.

The purpose of the school is twofold: on one hand, to provide the students and participants first-hand knowledge of breakthrough research and cutting-edge technology in the strategic research block of hybrid materials and nanomaterials and, on the other, to strengthen the interactions between students and teachers that could pave the way for future collaborations between EU and BRAU scientific communities. The school is also aimed to provide a forum for researchers to present their own work (talks and posters) and to establish connections between researchers from all the participating entities.

Following the practice of previous meetings, an Innovation Workshop for entrepreneurs, researchers and students will be embedded in the school.



## LOCATION

The school will be held in a new CONICET building at the city of La Plata. A comfortable auditorium room for school lectures along with two separate rooms for Workshop meetings and poster presentation are reserved.



## ORGANIZERS



## COORDINATORS



# Simulation, Characterization and Optical Methods for Materials and Nanomaterials

Multifunctional Ceramics and Hybrids Materials

**2<sup>ND</sup> EULASUR SUMMER SCHOOL**

**La Plata, Argentina**

**4-9 september 2011**



**eulasur**

PROGRAM

	SUNDAY 4/SEP/2011	MONDAY 5/SEP/2011	TUESDAY 6/SEP/2011	WEDNESDAY 7/SEP/2011	THURSDAY 8/SEP/2011	FRIDAY 9/SEP/2011	
9:00		OPENING CEREMONY	Monte Carlo methods for disordered systems Tomás Grigera (INIFTA, Argentina)	Material characterization by X-ray crystallography Jordi Rius (ICMAB, Spain)	Methodological advances in powder diffraction Jordi Rius (ICMAB, Spain)	Advances in EULASUR WP3 activities José Luis Briansó (UAB, Spain)	
9:30		Hybrid Materials: an overview Sara Aldabe (INQUIMAE, Argentina)	Simulation of electronic properties at the nanoscale Carlos Balseiro (CAB-CNEA, Argentina)	Soft materials characterization using synchrotron radiation technique Marcelo Ceolin (INIFTA, Argentina)	Non-linear optics methods with femtosecond lasers Jorge Tocho (CIOp, Argentina)	Technology transfer processes Susana Garelik (ICMAB, Spain)	
10:00							
10:30		COFFEE BREAK					
11:00		Introduction to atomistic simulation methods and freely available tools Javier Junquera (U.Cantabria, Spain)	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	
11:30			Ferroelectric materials: key functionalities and recent advances Mario Maglione (ICMCB, France)	Informal Meeting Interchange Programme for students José Luis Briansó (UAB, Spain)	Order-disorder interplay in 3D photonic Crystals Ricardo Depine (UBA, Argentina)	Tolket: the missing link Oscar Martínez (UBA, Argentina)	
12:00							
12:30		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	
13:00							
13:30							
14:00		Project exercises by Copenhagen Business School	Theory and simulations of ferroelectric materials Marcelo Sepiarsky (IFIR, Argentina)	TEM characterization for nanomaterials Jerome Majimel (ICMCB, France)	FREE AFTERNOON	How can luminescence give information on material structure? Alain García (ICMCB, France)	Results of Innovation Project Exercises Leif-Bloch Rasmussen and Janni Nielsen (CBS, Denmark)
14:30							Theory and simulations of magnetoelectric materials Jorge Íñiguez (ICMAB, Spain)
15:00							
15:15							
15:30							
16:00			COFFEE BREAK			COFFEE BREAK	
16:30	COFFEE BREAK		Oxyfluorides and superconductivity Manuel Gaudon (ICMCB, France)			Scanning near field microscopy: Fundamentals & applications Alejandro Goñi (ICMAB, Spain)	
17:00	POSTER PRESENTATIONS	POSTER PRESENTATIONS		POSTER PRESENTATIONS			
17:30							
18:00	Registration of Participants						
18:30							
19:00							
19:30							
20:00							
20:30					GALA DINNER		