

Multifunctional Oxides: Synergy between fundamental science and novel technologies

Program

	Wed 13/12		Thu 14/12		Fri 15/12
9:00	Inscription - Opening	9:00	Plenary 3: A. Barthelemy	9:00	Plenary 6: M. Aguirre
9:50	Plenary 1: S. Menzel	9:50	Plenary 4: G. Herranz	9:50	J. Sacanell
10:40	BREAK	10:40	BREAK	10:20	BREAK
11:00	N. Ghenzi	11:00	M. Stachiotti	10:50	R. Fuentes
11:30	D. Rubi	11:30h	R. Carbonio	11:20	G. Leyva
12:00	M. Linares	12:00	V. Vildosola	11:50	Closing remarks + Free Afternoon
12:30	LUNCH	12:30	LUNCH		
14:30	Plenary 2: M. Rozenberg	14:30	Plenary 5: J. Briático		
15:20	D. Comedi	15:20	S. Carreira		
15:50	M. Quintero	15:50	N. Massa		
16:20-18:30	Round Table, Posters and Coffee	16:20-18:30	Round Table, Posters and Coffee		

Plenary talks:

Dr. Stephan Menzel - Forschungszentrum Jülich - Germany - "Switching Dynamics, Limiting Processes and Parasitic Effects in Resistive Switching Devices based on the Valence Change Mechanism"

Dr. Marcelo Rozenberg - Univ. Paris Sud - France - "Neuromorphic electronic behavior in transition metal oxides systems"

Dr. Agnes Barthelemy - CNRS/Thales - France - "Potential of the LaAlO₃/SrTiO₃ interface for spintronics"

Dr. Gervasi Herranz - ICMAB - Spain - "Opportunities of multifunctional materials in energy-efficient oxide electronics"

Dr. Myriam Aguirre - Univ. Zaragoza - Spain - "Material development and nanostructure optimization for devices based on thermoelectric and thermomagnetic phenomena"

Dr. Javier Briático - CNRS/Thales - France - "HTc superconductor-based devices: low consumption-high performance applications"

Regular talks:

Dr. Néstor Ghenzi - CNEA - Buenos Aires - Argentina - "1T1R Analysis based on Load Lines"

Dr. Diego Rubi - CNEA - Buenos Aires - Argentina - "A memristive diode with giant memcapacitance"

Lic. Mercedes Linares Moreau CNEA – Buenos Aires- Argentina - “Understanding and Controlling the Local Electrical Properties of Ag and Au NP-loaded Mesoporous Titania Films by Scanning Probe Microscopy”

Dr. David Comedi - Univ. Nacional de Tucumán - Argentina - "Wide bandgap semiconductor oxide nanostructures for chemical sensing, transparent electronics and UV optoelectronics"

Dr. Mariano Quintero - CNEA - Buenos Aires - Argentina - "Magnetic entropy change in phase separated manganites"

Dr. Marcelo Stachiotti - Instituto de Física de Rosario - Argentina - "Single phase multiferroic compounds by doping ferroelectrics with magnetic ions"

Dr. Raúl Carbonio - INSTITUTO DE INVESTIGACIONES EN FISICO- QUIMICA - Córdoba - Argentina - "Perovskites, model systems for the development of multifunctional oxides: the importance of spin reorientation"

Dr. Verónica Vildosola - CNEA - Buenos Aires - Argentina - "In the search of new 2D electron systems at the surface of BaBiO₃ thin films"

Lic. Santiago Carreira - CNEA – Buenos Aires- Argentina – “Tuning the Interfacial Charge, Orbital and Spin Polarization Properties in La_{0.67}Sr_{0.33}MnO₃/ La_{1-x}Sr_xMnO₃ Bilayers and Magnetic Tunnel Junctions”

Dr. N. E. Massa - Lanais EFO-Cequinor and UNLP - La Plata - Argentina, “Terahertz Spin Wave Resonances and Crystal Field Transitions in RCrO₃ (R=Pr, Sm, Er) at Ultra Low Temperatures”

Dr. Joaquín Sacanell - CNEA – Buenos Aires- Argentina – “Paths towards stability in PS manganites: aging/rejuvenation and thermal training effects”

Dr. Rodolfo Fuentes - CNEA – Buenos Aires- Argentina – “Nanostructured Pd/lanthanide-doped ceria oxides with high catalytic activity for CH₄ combustion”

Dr. Gabriela Leyva - CNEA – Buenos Aires- Argentina – “Synthesis of nanostructured mixed oxides, morphology and properties”