

IC1208 WORKING GROUP 1 – SANTARÉM MEETING – 20 MARCH 2014

COORDINATOR: PROF. JOSÉ M.S. PENA – CHAIRPERSON: PROF. JOSÉ DE FRUTOS

14:00	Pankaj Joshi , H De Smet; <i>IMEC Belgium</i>	Blue phase liquid crystals-Issues of dendrites and a computational study
14:15	Natalia Podoliak , M. Kaspar, V. Novotna, V. Hamplova; <i>Acad. Sciences Czech Republic</i>	Chiral liquid crystals with laterally-substituted four-ring molecular core
14:30	Alexey Eremin ; <i>U. Otto von Guericke, Germany</i>	Manipulation of liquid crystal orientations by azo-dendrimer
14:45	Sašo Gyergyek , D. Makovec, Z. Kutnjak; <i>Josef Stefan Institute, Slovenia</i>	Magnetic nanoparticles, magnetic nanocomposites and magnetic nanoparticles/liquid crystals magneto-electric mixtures
15:00	Amanda García , J.M. Otón, C. Blanc, V. Lorman; <i>U. Politécnica Madrid and U. Montpellier II</i>	Electrooptic properties of liquid crystals doped with nanoparticle dispersions
15:15	Vincenzo Caligiuri , L. De Sio, R. Capasso, L. Petti, C. Umeton, R. Caputo; <i>U. Calabria, Italia</i>	Molding the flow of light in gold photonic quasi-crystals
15:30	Delphine Coursault , C. Blanc, I. Dozov, M. Nobili, K. Slyusarenko, A. Robert, L.M. Lacroix, G. Viau; <i>U. Montpellier II</i>	Investigation of electro-optical properties of gold colloidal suspensions
15:45	COFFEE BREAK	
16:15	Leontin Padurariu , L. Mitoseriu; <i>U. Iasi, Romania</i>	Using finite element method for material design: tailoring permittivity and tunability of ferroelectric based composites
16:30	Cristina E. Ciomaga , N. Lupu, I. Lisiecki, C. Galassi, L. Mitoseriu; <i>U. Iasi, Romania</i>	Preparation, microstructure and functional properties of multi-walled carbon nanotubes in ferroelectric matrix composites
16:45	Federico Cebollada , J. de Frutos; <i>U. Politécnica Madrid</i>	Magnetism of nanoparticles and artificial nanostructures
17:00	Marta Sánchez-Agudo , F. Cebollada, J. de Frutos; <i>U. Politécnica Madrid</i>	Role of the different energy contributions to the switching mechanisms of magnetic nanostructures
17:15	Paula Ferreira , P. Vilarinho; <i>U. Aveiro, Portugal.</i>	Porous ferroics: a route to improved functionality

IC1208 WORKING GROUP 2 – SANTARÉM MEETING – 21 MARCH 2014

COORDINATOR: PROF. ANDREW FLEWITT – CHAIRPERSON: PROF. JACK LUO

09:00	Leonid Soms , A. Kornev, V. Pokrovskiy, V. Polyakov, V. Stoupnikov; <i>U. ITMO, St.Petersburg, Russia</i>	LC devices in laser techniques: experience of St. Petersburg team and areas of collaboration
09:20	Robertas Grigalaitis ; <i>Vilnius University, Lithuania</i>	Dielectric characterization of solids and liquids in microwave and infrared regions
09:40	Offer Schwartzglass ; <i>Shenkar College of Engineering, Israel</i>	IC Mixed Signal design: Possibilities to bridge between micro and macro biosensors
10:00	Mario de Miguel-Ramos , A.J. Flewitt, M. Clement, J. Olivares, J. Sangrador, E. Iborra; <i>U. Politécnica de Madrid and U. Cambridge.</i>	Biosensors based on BAW resonators: FEA simulation and fabrication
10:15	Teona Mirea , V. Yantchev, M. Clement, J. Olivares, J. Sangrador, E. Iborra; <i>U. Politécnica de Madrid and U. Uppsala, Sweden.</i>	Film Plate Acoustic Resonators: simulation and fabrication
10:30	Nicky Mac Kenna , A. Morrin; <i>Dublin City University, Ireland.</i>	Development of an impedimetric biosensor based on the swelling response of a hydrogel
10:45	COFFEE BREAK	

IC1208 WORKING GROUP3 – SANTARÉM MEETING – 21 MARCH 2014

COORDINATOR AND CHAIRPERSON: DR. ANTIGONE MARINO – COCHAIR: PRZEMYSŁAW KULA

11:15	Jakub Herman , P. Kula; <i>WAT Univ. Warsaw</i>	Chiral terphenylates - perspective materials for fast switching modes
11:30	Piotr Harmata , P. Kula; <i>WAT Univ. Warsaw</i>	Highly polarizable molecular cores - from numerical simulations to optical anisotropy determination.
11:45	Olga Chojnowska , P. Kula; <i>WAT Univ. Warsaw</i>	Viscosity measurements in liquid crystal materials
12:00	Przemysław Kula, Achim Bittner ; <i>WAT Univ. Warsaw and Vienna Univ. Technology</i>	MEMS device for viscosity measurements for LC evaluation
12:15	Roberto Caputo , U. Cataldi, A. Gontier, T. Maurer, P.M. Adam, T. Buergi; <i>U. Calabria</i>	Designing plasmonic strain sensors
12:30	Ugo Cataldi , R. Caputo, Y. Kurylyak, G. Klein, M. Chekini, C. Umeton, T. Bürgi; <i>U. Calabria</i>	Smart tapes: a simple macroscale mechanical control of the plasmonic coupling at the nanoscale
12:45	Domenico Alj , R. Caputo, C. Umeton; <i>U. Calabria</i>	From Cartesian to Radial: A new way of writing POLICRYPS
13:00	LUNCH	
14:30	David Poudereux , X. Quintana, A. García-García, D. Alj, R. Caputo; <i>U. Politécnica Madrid and U. Calabria</i>	Selective infiltration of a photonic crystal fiber with liquid crystal mixtures
14:45	Antonio d'Alessandro ; <i>U. La Sapienza, Roma</i>	Low power integrated optics based on liquid crystals
15:00	Vladimir V. Srdic ; <i>U. Novi Sad, Serbia</i>	Fabrication of nanostructured ceramic components for microelectronic devices
15:15	Braulio García-Cámara ; <i>U. Carlos III, Madrid</i>	LC doped with nanoparticles: Improved electro-optical characteristics and tunability of Resonant Behaviors
15:30	Vladimira Novotna , M. Kašpar, V. Hamplová, M. Glogarová, L. Lejček; <i>Acad.Sci. Czech Rep.</i>	Nanoparticles and their composites with ferroelectric liquid crystalline phases
15:45	Eva Otón , M. Geday, D. Poudereux, J.M. Otón; <i>U. Politécnica Madrid</i>	Adaptive planar ultrafast beam steerers based on liquid crystals
16:00	Antigone Marino , E. Otón, N. Bennis, X. Quintana, J.M. Otón, V. Tkachenko; <i>U. Federico II, Naples</i>	Ellipsometric study of nematic alignment on silicon oxides for displays
16:15	D.C. Zografopoulos, K.P. Prokopidis, R. Dabrowski, Romeo Beccherelli ; <i>CNR Rome</i>	Time-domain modeling of dispersive and lossy liquid-crystals for terahertz applications
16:30	FINAL REMARKS AND CLOSING	