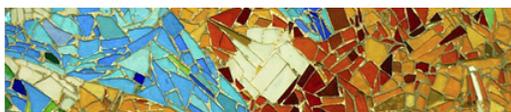


INTERNATIONAL WORKSHOP ON ORGANIC AND GRAPHENE ELECTRONICS AND SPINTRONICS



ELECspin 2015

12th–13th March 2015, Barcelona, Spain

8.30-9.00	Registration		
9.00-9.10	Welcome: Organizing Committee		
9.10-9.55	Invited Speaker: P. Gambardella Tuning the properties of metal-organic molecules and single-ion magnets on surfaces	9.00-9.45	Invited Speaker: L. Muccioli Microscopic modelling of interfaces for plastic electronics: from morphology to electronic properties
9.55-10.10	Room-temperature air-stable spin transport in bathocuproine-based spin valves (<i>X. Sun</i>)	9.45-10.00	Universal Size-Dependent Conductance Fluctuations in Disordered Organic Semiconductors (<i>A. Massé</i>)
10.10-10.25	Imaging of Single Organic Molecules on Oxide Semiconductors with Sub-molecular Resolution by Atomic Force Microscopy (<i>C. Moreno</i>)	10.00-10.15	Electronic properties of stripped graphene nanoribbons delimited by sp ³ defect lines: A density functional theory study (<i>J. X. Lian</i>)
10.25-10.40	Few-Layers Graphene Electrodes for Molecular Spintronics. (<i>E. Burzuri</i>)	10.15-10.30	Controlling Spin Localisation in Tryarylmethyl Radicals (<i>S. Bromley</i>)
Coffee Break (10.40-11.00)		Coffee Break (10.30-11.00)	
11.00-11.45	Invited Speaker: S. Valenzuela Title TBA	11.00-11.45	Invited Speaker: T. Anthopoulos Novel materials and fabrication paradigms for plastic micro & nano-scale electronics
11.45-12.00	Voltage-controlled inversion of tunnel magnetoresistance in epitaxial Nickel/Graphene/MgO/Cobalt junctions: a signature of the hybridized Graphene Ni interface. (<i>J.-F. Dayen</i>)	11.45-12.00	Non-destructive electrical top contacting of organic thin films. (<i>J. Wilbers</i>)
12.00-12.15	Atomic-scale control of graphene magnetism using hydrogen atoms. (<i>J. J. Palacios</i>)	12.00-12.15	From an organometallic monolayer to an organic monolayer covered by metal nanoislands: a simple thermal protocol for the fabrication of the top contact electrode in molecular electronic devices. (<i>P. Cea</i>)
12.15-12.30	Spin-dependent electron scattering at the graphene-Ni interface (<i>A. Mugarza</i>)	12.15-12.30	Highly ordered supramolecularly assembled polymer at the water-air interface: A novel way towards supramolecular 2D organic electronics, (<i>S. Bonacchi</i>)
Lunch break + POSTER SESSION		Lunch break + POSTER SESSION	
14.30-15.15	Invited Speaker: M.A. Loi Title TBA	14.30-15.15	Invited: W. van der Wiel Exploiting Order and Disorder in Hybrid Inorganic-Organic Electronics
15.15-15.30	Solution processed composite materials based on dibenzo-tetrathiafulvalene and polystyrene for Organic Field-Effect Transistors. (<i>F. del Pozo</i>)	15.15-15.30	Electron and spin transport through hybrid organic-inorganic interfaces and in molecular devices: insights from first-principles and model calculations (<i>A. Droghetti</i>)
15.30-15.45	Modulating light with external magnetic fields: Fabrication of Spin-OLEDs. (<i>H. P. Garcia</i>)	15.30-15.45	Etching and Oxidation of Graphene by nano-electrical discharges: direct lithography for large area applications (<i>M. Del Carmen Coya</i>)
15.45-16.00	Interface effects in organic photovoltaics. (<i>M. Fahlman</i>)	15.45-16.00	Electrochemically exfoliated graphene oxide/iron oxide composite foams for energy storage application (<i>Z. Xia</i>)
Coffee Break (16.00-16.30)		Coffee Break (16.00-16.30)	
16.30-17.15	Invited Speaker: J. Zaumseil Polymer-sorted semiconducting carbon nanotubes for field-effect transistors and near-infrared electroluminescence.	16.30-17.15	Invited Speaker: Ismael Díez Conductance modulation in single-molecule contacts through chemical, electrical/magnetic fields and light stimuli
17.15-17.30	Graphene-coated transparent conducting fibres for textile applications. (<i>A. Neves</i>)	17.15-17.30	Chemistry and applications of graphene-based composites. (<i>E. Treossi</i>)
17.30-17.45	Dependence of the elastic constants in graphene oxide few-layer films with temperature: correlations with interlayer stacking and bonding. (<i>A. De Andrés</i>)	17.30-17.45	Electrochemical switchable device based on ferrocene-SAMs for memory devices. (<i>E. Marchante</i>)
17.45-18.00	Polymer/carbon nanotube composites with p- and n- type character for flexible thermoelectric applications (<i>M. Campoy</i>)	Conclusion 18.00	
POSTER session and drinks			