

**PROGRAMA SIMPOSIO “ELECTRONIC PROPERTIES OF SEMICONDUCTORS, GRAPHENE AND NOVEL TWO DIMENSIONAL LAYERED MATERIALS” 2013**

WEDNESDAY July 17th 2013

	<b>Speaker</b>	<b>Affiliation</b>	
<b>Hora</b>	<b>Chair:</b> J. Fernández-Rossier	INL	<b>Graphene</b>
15:00-15:30	Adrian Bachtold	ICFO	Mechanical resonators based on nanotubes and graphene
15:30-16:00	Ivan Brihuega	UAM	Probing graphene properties at the atomic scale
16:00-16:15	Pilar López Sancho	ICMM	Pressure and disorder effects on the vacancy-induced magnetic moments of multilayer graphene.
16:15-16:30	Lucia Rodrigo	UAM	Graphene on Pt step edges
16:30-17:00	<b>Coffe Break</b>		
	<b>Chair:</b> Ivan Brihuega		<b>Transition Metal Dichalcogenides</b>
17:00-17:30	Andrés Castellanos	TU Delft	Atomically thin MoS <sub>2</sub> : 2D semiconductors beyond graphene
17:30-17:45	Elena Pinilla	Universidad de Valencia	Local Oxidation Nanolithography on atomically thin TaS <sub>2</sub> layers
17:45-18:00	José Augusto Galvis	UAM	Scanning tunneling measurements of single layers of superconducting 2H-TaSe <sub>2</sub> crystals.
18:00-18:15	Rafael Roldán	ICMM-CSIC	Electronic properties of the two-dimensional crystal MoS <sub>2</sub>
18:15-18:30	Alejandro Molina-Sánchez	U. Luxembourg	Excitons in transition metal dichalcogenides. A theoretical approach
18:30-19:30	<b>Poster Session</b>		

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THURSDAY July 18th 2013

	<b>Speaker</b>	<b>Affiliation</b>	
<b>Hora</b>	<b>Chair: Gloria Platero</b>	<b>ICMM-CSIC</b>	<b>Topological Insulators</b>
15:00-15:30	David Soriano	ICN	Engineering of surface Dirac cones and spin texture robustness in three-dimensional models of topological insulators
15:30-15:45	Hugo Aramberri	ICMM-CSIC	Rashba splitting of the Topological Surface States in asymmetric Bi <sub>2</sub> Se <sub>3</sub> thin films
15:45-16:00	Daniel Gosálbez-Martínez	Universidad de Alicante	Topologically protected quantum transport in locally exfoliated Bismuth at room temperature
16:00-16:15	Diego Frustaglia	U. Sevilla	Engineering geometrical spin phases in mesoscopic systems
16:10-16:30	Kaike Yang	Nanogune	Thermoelectric properties of silicene and germanene nanoribbons
16:30-17:00	<b>Coffe Break</b>		
	<b>Chair: Andrés Cantarero</b>	<b>U. Valencia</b>	<b>Semiconductor Nanostructures</b>
17:00-17:15	Gloria Platero	ICMM-CSIC	Role of coherent state superpositions in the bipolar spin blockade of a triple quantum dot
17:15-17:45	Juan Francisco Sánchez	U. Valencia	Electronic Properties of doped Two-Dimensional systems
17:45-18:00	Gervasi Herranz	ICMB-CSIC	Two-dimensional electron liquids at the interface between two wide-bandgap insulators
18:00-18:15	Carlos Antón	UAM	Momentum space interferences as an evidence of remote quantum coherence of condensates
18:15-18:30	M. Fernando González-Zalba	Cambridge	Single electron transistor on lightly doped silicon based on 3D technology
18:30-19:30	<b>Poster Session</b>		