

OPTO-COAT 2012



PROGRAMME

8:30	Registration	
9:00	Opening Session	
SESSION I:		
Chairman: Agustín R. González-Elipe		
9:05	Invited lecture: <i>Thermochromics and nanothermochromics: New approaches to energy efficient "smart" windows</i> Claes G. Granqvist The Angstrom Laboratory, Uppsala University, Sweden	INV1
9:45	<i>Luminescent oxide thin films prepared by reactive magnetron sputtering and plasma decomposition of non-volatile precursors</i> Francisco Yubero Instituto de Ciencia de Materiales de Sevilla, CSIC, Spain	OR1-1
10:05	<i>Uso de estructuras fotónicas como ARC para células solares de Silicio</i> Jerónimo Buencuerpo Instituto de Microelectrónica de Madrid, CSIC, Spain	OR1-2
10:25	<i>Computer simulation of the optical properties of Mo:SiO₂ and Mo:Si₃N₄ cermet solar selective coatings</i> José Ángel Sánchez-García Tecnalía, Energy Unit, Spain	OR1-3
10:45	<i>Coloured W-O coatings based on gradient of chemical composition</i> Albano Cavaleiro Universidad de Coimbra, Portugal	OR1-4
11:05	<i>Optical properties of Cr-O-Al mixed oxides grown by reactive magnetron sputtering</i> Noelia Benito Universidad Autónoma de Madrid, Spain	OR1-5
POSTER PRESENTATION I		
11:25	<i>Spectral integrated infrared filter for the Martian airborne Dust Sensor of the MetNet Space Mission</i> Francisco Cortés Universidad Carlos III de Madrid, Spain	PO1
	<i>Light propagation in multilayer structures: unconventional calculations</i> Salvador Bosch Universitat de Barcelona, Spain	PO2
	<i>Caracterización de la resistencia al microrayado de recubrimientos oftálmicos</i> Jaume Caro Fundació CTM Centre Tecnològic, Spain	PO3

	<i>Recubrimientos tipo cermet depositados por co-sputtering en un proceso DC reactivo controlado por voltaje</i> Beatriz Navarcorena Asociación de la Industria Navarra, Spain	P04
	<i>Optical and structural study of reactive sputtered titanium dioxide coatings embedded with Au clusters for LSPR gas-sensing applications</i> Nuno Figueiredo Universidade de Coimbra, Portugal	P05
11:45	Coffee Break	

SESSION II:		
Chairman: Ramón Escobar Galindo		
12:10	Invited lecture: <i>Transparent Electronics: From materials to devices</i> Elvira Fortunato CENIMAT/I3N, Universidade Nova de Lisboa, Portugal	INV2
12:50	<i>Spectrometric ellipsometry characterization of highly conductive Ga-doped ZnO thin films deposited onto Si wafers</i> Efraín Ochoa Universidad de Málaga, Spain	OR2-1
13:10	<i>Exciton photoluminescence in transparent ZnO thin films obtained by DC magnetron sputtering</i> Adolfo Mosquera Instituto de Ciencia de Materiales de Madrid, CSIC, Spain	OR2-2
13:30	<i>Optimization of optical, electrical and mechanical properties of transparent and conductive Al doped zinc oxide films prepared by dc pulsed magnetron sputtering</i> Eva Gutiérrez-Berasategui Tekniker Research Centre, Spain	OR2-3
13:50	<i>Optical and structural properties of Ti doped ZnO thin films grown by magnetron co-sputtering at room temperature</i> Miriam Yuste Instituto de Ciencia de Materiales de Madrid, CSIC, Spain	OR2-4
	POSTER PRESENTATION II	
	<i>Electrochromic behaviour of $W_xSi_yO_z$ thin films prepared by reactive magnetron sputtering at normal and glancing angles</i> Francisco Yubero Instituto de Ciencia de Materiales de Sevilla, CSIC, Spain	P06
14:10	<i>Synthesis of nanostructured ZnO thin films by oblique angle sputtering deposition.</i> Diana Toledano Instituto de Ciencia de Materiales de Madrid, CSIC, Spain	P07
	<i>Microstructural characterization of magnetron sputtered porous silicon coatings</i> Jaime Caballero-Hernández Instituto de Ciencia de Materiales de Sevilla, CSIC, Spain	P08
	<i>Análisis de las características electroluminiscentes de óxidos de silicio enriquecidos en silicio</i> Joan Juvert Instituto de Microelectrónica de Barcelona, CSIC, Spain	P09

	<i>Preparation of antireflective silica-based films by sol-gel method</i> Cecilia Agustín Tecnalia, Energy Unit, Spain	PO10
14:30	Lunch and Poster Session	

SESSION III:		
Chairman: José María Albella		
16:00	Invited lecture: <i>Molecular design of nanostructured inorganic and hybrid films</i> Clément Sanchez CNRS, Université Pierre et Marie Curie, France	INV3
16:40	<i>Characterization of host-guest interactions by persistent spectral hole burning on hybrid clay-dye nanopigments</i> Ernesto Baena-Murillo Universidad de Alicante, Spain	OR3-1
17:00	<i>Structural and photocatalytic properties of multi-walled titanate-based nanotubes</i> Ignacio Caretti Instituto de Ciencia de Materiales de Madrid, CSIC, Spain	OR3-2
17:20	<i>Fluorescent thin films prepared by plasma deposition for their integration with photonic structures</i> Ángel Barranco Instituto de Ciencia de Materiales de Sevilla, CSIC, Spain	OR3-3
17:40	<i>Microstructure of planar glass substrates modified by Laser Ablation Backwriting of metal targets</i> Ruth Lahoz Instituto de Ciencia de Materiales de Aragón, CSIC, Spain	OR3-4
18:00	<i>Large area self-assembled monolayers of colloidal silica nanoparticles</i> Enric Bertrán Universitat de Barcelona, Spain	OR3-5
18:20	Closure	