

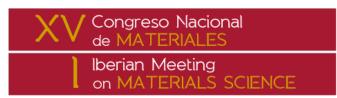
	MIÉRCOLES 4 JULIO			
			TÍTULO	PONENTE
CHAIR PERSON	AM1	9:45-10:00	Precise controlled fabrication, manipulation and analysis of nanoparticles.	JOSE ANGEL MARTIN GAGO (Inv)
Alberto Palmero		10:00-10:15	From star-dust to nanotechnology.	JOSE ANGLE MARTIN GAGO (IIIV)
			Preparation and characterization of thin-film nanocomposite membranes embedded	
Joao Carlos Oliveira			with cellulose acetate functionalized multiwalled carbon nanotubes for water purification	Mónica Silva
		10:30-10:45	Cluster tool for in situ processing and characterization of thin films at high temperatures	Ramon Escobar-Galindo
			Correlation between substrate ion fluxes and properties of DLC films deposited by DOMS	
		10:45-11:00	in Ar and Ar + Ne plasmas	João Carlos Oliveira
			Fabrication of transparent conductive indium-tin oxide films by oblique angle deposition:	
		11:00-11:15	Relation between the growth parameters, nanostructure and properties for multispectral applications	Bertrand Lacroix
			ΤΊΤυΙΟ	PONENTE
			Near Infrared Optofluidics with Nanocolumnar SiOx-SiO2 multilayers prepared by magnetron	
CHAIR PERSON	AM2	11:45-12:00	sputtering at oblique angles	Alberto Palmero
			Control over interface roughness and tightness in porous oxide multilayer systems prepared by MS:	
Alberto Palmero			Fabrication of environmentally stable 1D photonic structures	Aurelio García Valenzuela
Joao Carlos Oliveira			Synergic antibacterial coatings combining titanium nanocolumns and tellurium nanorods	Jose Miguel Garcia Martin
			Fabrication and characterization of mesoporous structure films by using titanium dioxide nanoparticles	Maria Jesus Ariza
			Impact of flash-lamp-annealing on the structure of TiO2—based films	Raul Gago Fernandez
		13:00-13:15	New challenges of the self-propagating character in Ni/Ti nanomultilayers	André Cavaleiro
			ΤΊΤυLΟ	PONENTE
CHAIR PERSON	PM1	15:00-15:15	Desarrollo de recubrimientos biofuncionales: de los ensayos In vitro a los In vivo	ANA CONDE DEL CAMPO (Inv)
Sandra Carvalho		15:15-15:30		, C C ()
Jose Miguel Garcia Martin			Incorporation of nanoparticles on nanostructured surfaces	Sandra Carvalho
		15:45-16:00	Bioactive glass coatings obtained by different thermal spray technologies	Beatriz Garrido
			Silver nanoparticles on bioceramic coatings for biomedical devices: fabrication and in vitro study	Francisco Gontad
		16:15-16:30	Estudio de las propiedades antimicrobianas en compuestos de polipropileno	Carolina Losada Fernández
			ΤΊΤυLΟ	PONENTE
CHAIR PERSON	PM2	17:00-17:15	Titanium surface modifications by plasma electrolytic oxidation for bone tissue engineering	Ana Santos Coquillat
Sandra Carvalho		17:15-17:30	Development of bioactive tantalum oxide surface	Luísa Fialho
Jose Miguel Garcia Martin		17:30-17:45	Plasma Nitriding and Titanium PVD Coating of ASTM F138 Stainless Steel for Biomedical Applications	Vladimir Baggio Scheid
		17:45-18:00	Ions Release Analysis of TiAg PM Alloys Exposed to Artificial Saliva Solution	Francisco Segovia López
		18:00-18:15	Novel molecule releasing microcarriers for bone regeneration	Roman Perez
		18:15-18-30		



	JUEVE	S 5 JULIO	τίτυιο	PONENTE
CHAIR PERSON	AM1	9:45-10:00	El grupo especializado CyTeS de la Sociedad Española de Materiales	AGUSTIN R. GONZALEZ ELIPE (Inv)
Ramón Escobar Galindo		10:00-10:15	Portuguese Surface Engineering Technological Platform – From the Lab to the Market	RICARDO ALEIXANDRE (Inv)
Mónica Silva		10:15-10:30		(,
			Design and high-temperature durability tests of solar-selective coatings based on aluminium	
		10:30-10:45	titanium oxynitrides AlyTi1-y(OxN1-x)	Irene Heras Pérez
			Water electrolysis with nanostructured CoOx-CuOx electrodes prepared by magnetron sputtering	
			at oblique angles	Esther López-Fernández
		11:00-11:15	Surface Treatments to Avoid Multipactor Effect in RF Devices for Space Applications	Isabel Montero Herrero
			TÍTULO	PONENTE
CHAIR PERSON	AM2		Water repellency in leathers by low pressure plasma technology	Natalia Cuesta Garrote
Ramón Escobar Galindo			Inverse Cassie-Baxter regime and air-wicking effect revealed by captive bubble experiments	Miguel Cabrerizo Vilchez
Mónica Silva		12:15-12:30	Characterization, wetting, and icephobic behavior of laser modified aeronautic alloys	Paloma García Gallego
			Nano-structuring of ITO via self-organization upon high repletion rate femtosecond-laser irradiation	
			for anisotropic conductivity applications	Javier Solis
			Development of a new type slurry coatings on titanium powder metallurgy for biomedical applications	Paula Rodríguez González
		13:00-13:15	Resistive coating for heat generation in heating industrial applications	João Paulo Dias
			ΤΊΤυLΟ	PONENTE
CHAIR PERSON	PM1	14:15-14:30	Self-lubricant and multilavered coatings as a solution for high temperature applications	FILIPE FERNANDES (Inv)
Albano Cavaleiro		13:30-14:45		, ,
			A novel approach to the synthesis of layered double hydroxides and their "self-healing" effect on	
Raul Gago			corrosion protection	Daniel Vieira
			Reducing the galling in stainless steel drawing processes by means of hammer peened textured surfaces	Endika Mugarra
			Surface modification of a cast iron with spheroidal graphite using duplex Steel	Enara Mardaras Andrés
		15:30-15:45	Preparation, characterization and properties of epoxy resin nanocomposites with graphene+ionic liquids	Joaquín Arias Pardilla
			TÍTULO	PONENTE
CHAIR PERSON	PM2		Thermal stability and tribomechanical properties of hard Cr-doped DLC coatings deposited HiPIMS	José Antonio Santiago
Albano Cavaleiro			Tribological properties of high sp3 content DLC thin films prepared by DOMS	Ricardo Serra
Raul Gago			Self lubricant coating based on an adaptative design	Albano Cavaleiro
		17:00-17:15	Comparison of the tribological performance of W-S coatings alloyed with C and N in contact with rubber	Ana Manaia
		17.15.17.00	Residual stress of Al-Fe intermetallic coatings on the P92 steel & its implication on failure prediction	0 / 11 1/2 1/
		17:15-17:30	by thermo-mechanical coupling	Germán Alcalá Penadés
		17.20.47.45	Influence of Ag content on the mechanical, structural and tribological properties of TiSiN(Ag) thin	Diago Covalaira
		17:30:17:45	films deposited by HiPIMS	Diogo Cavaleiro



	VIERNES 6 JULIO		TÍTULO	PONENTE
CHAIR PERSON	AM1	9:45-10:00	Big build volume additive manufacturing for industrial prototyping and production	SERGIO MOLINA (Inv)
Carles Colominas		10:00-10:15		
_João Paulo Dias		10:15-10:30	Cold Spray as a repair technique	Kirian Zomeño
		10:30-10:45	Microstructure, Hardness, and Salt-water Corrosion of Cold-Sprayed Ti6Al4V coatings on Ti6Al4V plates.	Múnez, Dr. Claudio José
		10:45-11:00	Deposition and characterization of polymeric coatings obtained by Cold Gas Spray Mechanical properties and corrosion behavior of stainless steel coatings deposited on ZE41 magnesium	Nuria Salazar
		11:00-11:15	alloy by HVOF	Sonia García Rodriguez
			Τίτυιο	PONENTE
			Multifunctional organic thin films and supported nanostructures by plasma assisted vacuum deposition	
CHAIR PERSON	AM2	11:45-12:00	for the development of photonic and optoelectronic devices and components	Angel Barranco
Carles Colominas		12:00-12:15	Avoiding Target Poisoning in Reactive Magnetron Sputtering Depositions at Oblique Angles	Rafael Alvarez Molina
João Paulo Dias		12:15-12:30	Design of 3D Bioprinted Scaffolds for Cartilage Regeneration	Gloria Pinilla García
			Surface texture characterization for metal additive manufacturing: Analisis of suitability of stylus and	
		12:30-12:45	optical measurement techniques	Wilson Tato
		12:45-13:00	Surface Hardening of Sintered (PM) and Wrought steels by Laser Heat Treatment	Angela Veiga De La Fuente
		13:00-13:15	Influence of laser surface nanotexturing on the tribological properties of silicon	Isabel Alves Lopes



POSTER SESSION

TÍTULO

Montmorillonite-TiO2 photocatalyst - Preparation and use for removal of water pollutants

Secondary electron emission in metal/dielectric composites

Secondary Electron Emission Yield of Ordered Nanostructured Surfaces.

Structural, optical, electrical and electrochemical properties of GIZO in function of parameters of magnetron sputtering deposition

Incorporación de Si en capas anódicas de TiO2

Surface treatment of apatite coatings deposited on titanium for bio-medical applications

Microstructural Characterization of Alpha-Case and Recast Layer in Ti-6Al-4V Components Obtained by EDM Processes

Feasibility of polymeric coatings obtained by Cold Gas Spray

Corrosion resistance of cold sprayed ALC355 alloy for aeronautical repairs.

High temperature corrosion behavior of T24 steel coated by HVOF with Ni-20Cr alloy

Solar surface hardening of sintered ferrous metallurgical alloys

Effect of nano-zirconia and alumina on the resistance of the glaze to surface abrasion

Reuse of alumina obtained from sludge produced in an electrocoagulation process as nanocontainers

for corrosion protection

 $Growth\ of\ porous\ thin\ films\ by\ reactive\ magnetron\ sputtering\ using\ particle\ collimators$

Modulating Low Energy Ion Plasma Fluxes for the Growth of Nanoporous Thin Films

 $Atomic\ transport\ of\ sputtered\ species\ in\ a\ plasma\ and\ nanostructural\ development\ of\ SiO2\ thin\ films$

grown by magnetron sputtering

PONENTE

Beatriz González Rodríguez Leandro Olano García Isabel Montero Herrero

José Ramos Barrado Ana Conde del Campo Ana María Beltrán

Ana Pastor Aina Cabrer David Cruz Rodríguez Najib Abu-warda Pérez Ana Romero Gutiérrez Marinélia Neto Capela

Juan José Santana Rodríguez Aurelio García Valenzuela Sandra Muñoz Piña

Germán Alcalá Penadés