

Domingo 23 / Sunday 23rd			
18:00-21:00	Registro / Registration		
Lunes 24 / Monday 24th			
8:00-9:00	Registro / Registration		
9:00-9:30	Inauguración / Opening session		
9:30-10:15	PL-1	70 años de polímeros en nuestro país. Retos en la Academia y en la industria	Carmen Mijangos
10:15-10:30	PRO-O1	Chain extension and crosslinking as methods for upgrading mechanically recycled PLA	F.R. Beltrán
10:30-10:45	PRO-O2	Effects of ageing and mechanical recycling on the thermal crystallization of poly(lactic acid)	J. Martínez Urreaga
10:45-11:00	PRO-O3	An innovative organocatalyst for the depolymerisation of commodity polymers: from plastic wastes to valuable monomers	C. Jehanno
11:00-11:30	Café / Coffee break – Sesión de Pósteres / Poster session		
11:30-11:45	PRO-O4	Multi-scale surface analysis on polypropylene micro-textured injected samples using 3D non-contact techniques	P. Gamonal-Repiso
11:45-12:00	PRO-O5	Study of crosslinking process with organic peroxides to polyolefin recycled matrixes to be used in high-value applications	L.E. Alonso
12:00-12:15	PRO-O6	Rheological characterization of polyethylene(terephthalate) modified by reactive extrusion	M. Asensio
12:15-12:30	PRO-O7	Process parameters and screw configurations for compounding of feedstock and batch mixer tests on MIM materials	B. Jakob
12:30-12:45	REO-O1	Effect of carboxylated HNBR content on the compatibilization of PA6/HNBR immiscible blends. Analysis of morphology, viscoelastic behavior and mechanical properties	A. Burgoa
12:45-13:00	REO-O2	Controlled actuation in thermally-triggered free-standing shape-memory actuators	S. de la Flor
13:00-13:15	REO-O3	In situ gelification of κ -carrageenan solutions by 3D printing	I. Díaz
13:15-13:30	REO-O4	Thermoplastic solid electrolytes for energy storage	F. J. González
13:30-13:45	REO-O5	Tailoring PLA/PA bioblends for 3D printing applications via the manufacturing of in situ microfibrillar composite filaments	J. Cailloux
13:45-14:00	REO-O6	Formation of sweet fennel oil-in-water emulsions stabilized by a triblock polymer (Pluronic F68) and rhamnan gum	L.A. Trujillo-Cayado
14:00-15:30	Comida / Lunch		
16:00-16:45	PL2	Functionalisation of 1D and 2D nanomaterials for interaction with polymers	Tony McNally
16:45-17:00	REO-O7	Approaching short time dynamics of polymer solutions by passive microrheology	J.F. Vega
17:00-17:15	REO-O8	An analysis of the hydrogen bonds of modified phenoxy resins by SAOS, LAOS and extensional flow	L. Sangroniz
17:15-17:45	Café / Coffee break – Sesión de Pósteres / Poster session		
17:45-18:00	REO-O9	Improvement of film formation abilities of waterborne latex particles for coating applications	S. M. Dron
18:00-18:15	SCP-O1	Supramolecular amphiphilic linear-dendritic block copolymers self-assemblies as stimuable nanocarriers	M. Abad
18:15-18:30	SCP-O2	Development of novel covalent organic frameworks	J.L. Segura
18:30-18:45	SCP-O24	Mixed matrix membranes from porous polymer networks with improved gas separation properties	A. E. Lozano
18:45-20:45	Asamblea General Ordinaria del GEP (Grupo Especializado de Polímeros) General Meeting of Specialised Group of Polymers		
21:00	Cóctel de Bienvenida / Welcome cocktail		

Martes 25 / Tuesday 25th			
8:30-9:15	PL-3	Reconstructing the cell-matrix and cell-cell interfaces with synthetic materials	Aránzazu del Campo
9:15-9:30	SCP-O3	Self-assembled amphiphilic elastin like diblock co-recombinamer: Insights into hierarchical nanostructuration	S. Acosta-Rodríguez
9:30-9:45	SCP-O4	A comprehensive study of microwave initiated solution copolymerization of MMA/BA: Effect on reactivity ratios	B.T. Pérez-Martínez
9:45-10:00	SCP-O5	Advanced TGA techniques in the characterization of polymers	C. Gracia-Fernández
10:00-10:15	SCP-O6	Resolving the interphase of hierarchical composites of graphene/iPP and carbon fibres by nanoindentation	P. Enrique-Jiménez
10:15-10:30	SCP-O7	Novel anti-inflammatory surface coatings combining GAGs and amphiphilic copolymer-based nanoparticles multilayers	E. Espinosa-Cano
10:30-10:45	SCP-O8	Dual-curable click thermosets with custom tailored properties	O. Konuray
10:45-11:00	SCP-O9	Synthesis of PET using organocatalysis	I. Flores
11:00-11:30	Café / Coffee break – Sesión de Pósteres / Poster session		
11:30-11:45	SCP-O10	Fundamentals and computer programs for prediction and analysis of experimental data in size-exclusion chromatography with multiple detection. Determination of conformational parameters	J. García de la Torre
11:45-12:00	SCP-O11	Synthesis of acrylic PSAs by free radical polymerization	O. Llorente
12:00-12:15	SCP-O12	Electrostatic interaction for high performance of waterborne coatings	M. Argai
12:15-12:30	SCP-O13	Thermo-reversible PCL-based supramolecular polyurethanes with self-healing and shape memory behaviour	A. Marcos-Fernández
12:30-12:45	SCP-O14	Improvement in gas transport performance of porous polyphenylenes/polycarbonate mixed matrix membranes	M. López-González
12:45-13:00	SCP-O15	Cu(0) wire-catalyzed SET-LRP of the hydrophobic biobased menthyl acrylate	N. Bensabeh
13:00-13:15	SCP-O16	Preparation of thermoplastic polyurethanes from macroglycols obtained from recycled PET	R. Navarro
13:15-13:30	SCP-O17	Incorporation of hydrogen bonding for high performance waterborne coatings	N. Jimenez
13:30-13:45	SCP-O18	Effect of mesoporous SBA-15 content in the catalytic characteristics and properties of in situ polymerized isotactic polypropylene (nano)composites	R. Barranco-García
13:45-14:00	NAN-O8	Shape memory polyurethanes. Application in smart fabrics	J. L. Vilas
14:00-15:30	Comida / Lunch		

15:30-16:30	Asamblea general Ordinaria del GER (Grupo Español de Reología) General Meeting of Spanish Group of Rheology		
16:30	Visita a los Lugares Colombinos Visit to the 'Columbian Places'		

Miércoles 26 / Wednesday 26 th			
8:30-9:15	PL-4	The route to double and triple crystalline polymeric superstructures: Templating polymer crystallization in diblock copolymers and triblock terpolymers	Alejandro J. Müller
9:15-9:30	SCP-O19	Lipase catalysed functionalization of polyol polyesters for potential UV crosslinked elastomers	A. Sonseca
9:30-9:45	SCP-O20	Chiroptical polymer switch triggered by chiral teleinduction (CO)	F. Freire
9:45-10:00	SCP-O21	An introduction of scientific instruments for polymers and biopolymers characterization	J. C. Puebla
10:00-10:15	SCP-O22	Characterization of polymers using hyphenated techniques, TG-IR-GCMS	J. Puente
10:15-10:30	SCP-O23	Lossless and rapid sample preparation for oscillatory rheology and DMTA via a novel vacuum compression molding process	D. Treffer
10:30-10:45	BIO-O1	Is this a good bioink? Designing printable medical adhesive	M. K. Włodarczyk-Biegun
10:45-11:00	BIO-O2	In vivo biocompatible and bioadhesive interpenetrated scaffolds for wound closure and tissue regeneration processes	M. Puertas-Bartolomé
11:00-11:30	Café / Coffee break – Sesión de Pósteres / Poster session		
11:30-11:45	BIO-O3	Synthesis and biological characterization of 3D bioprinted scaffolds using novel phytate crosslinker	A. Mora-Boza
11:45-12:00	BIO-O4	Structure and crystallization of poly(butylene succinate-ran-butylene azelate) random isodimorphic copolyesters	I. Arandia
12:00-12:15	BIO-O5	Potential of lignocellulosic fractions from Posidonia oceanica to improve barrier and mechanical properties of bio-based packaging materials	I. Benito-González
12:15-12:30	BIO-O6	Bioplastics from wool proteins	B. Fernández-d'Arlas
12:30-12:45	BIO-O7	Synthesis of amphiphilic graft-copolymers derived of globalide and alpha-amino acids	E. Tinajero-Díaz
12:45-13:00	BIO-O8	Design and development of new hyaluronic acid-chitosan hydrogels for cartilage regeneration.	L. García-Fernández
13:00-13:15	BIO-O9	PHA-based blends and composites: new materials for sustainable packaging applications	L. Cabedo
13:15-13:30	BIO-O10	Random and oriented electrospun fibers based on a multicomponent, in situ clickable elastin-like recombinamer system for dermal tissue engineering	I. González de Torre
13:30-13:45	BIO-O11	Novel biodegradable NIR responsive diblock copolymers for drug delivery systems	A. Roche
13:45-14:00	BIO-O12	Ferrogels coated with multilayered polyelectrolytes from natural resources	J.S. González
14:00-15:30	Comida / Lunch		
16:00-16:45	PL-5	What does “sustainable” mean in the polymer context?	Tony Ryan
16:45-17:00	BIO-O13	Development of coupling agents to improve compatibility of PLA composites reinforced with cellulose fibres	J.A. Méndez
17:00-17:15	BIO-O14	Studying crack formation on cast films of PLLA/PEO blends	J. Martínez-Salazar
17:15-17:45	Café / coffee break – Sesión de Pósteres / Poster session		
17:45-18:00	BIO-O15	Blends based on poly(ϵ -caprolactone) / high density polyethylene: crystalline features, mechanical response and gas transport	M. L. Cerrada
18:00-18:15	BIO-O16	Biphasic ELR-based matrix for the regeneration of osteochondral lesions: the harmonization of matrix resorption to the different metabolic activity of the embedded cell type	J. C. Rodríguez-Cabello
18:15-18:30	BIO-O17	Using proteomics for Sr-enriched biomaterial development	F. Romero-Gavilán
18:30-18:45	BIO-O18	Polymeric chemosensor for the detection and quantification of chloride in human sweat. Application to the diagnosis of cystic fibrosis	S. Vallejos
18:45-19:00	BIO-O19	Influence of chain topology (cyclic vs linear) on the crystallization of polylactide	N. Zaldua
20:30	Cena de Gala / Gala Dinner		

Jueves 27 / Thursday 27 th			
9:15-9:30	NAN-O1	Antimicrobial PNIPAM/DMAEMA microgels confined in PLA/PHB-based electrospun membranes via colloidal electrospinning	C. Echeverría
9:30-9:45	NAN-O2	Smart textiles functionalized with PEDOT and CNT as promising thermoelectric materials	C. M. Gómez
9:45-10:00	NAN-O3	Nanometer-scale alginate hydrogels supported over multilayer polymer films as pads for phototriggered drug delive	M. Criado
10:00-10:15	NAN-O4	Step-wise supramolecular polymerization of host-guest complexes	J. del Barrio
10:15-10:30	NAN-O5	Slippery Liquid Infused Porous Surfaces (SLIPS) based on polymer mixtures	E. Afonso
10:30-10:45	NAN-O6	Rheological evidence on the MWCNTs selective localization in PMMA-LDPE immiscible polymer matrices	M. García-Morales
10:45-11:00	NAN-O7	4D printed liquid crystalline elastomeric actuators: Artificial muscles, adaptive optical elements and soft-robotic functions	C. Sánchez-Somolinos
11:00-11:30	Café / coffee break		
11:30-11:45	NAN-O9	Flexible hybrid thermoelectric materials based on carbon nanotubes and poly(3,4-ethylenedioxythiophene)	J. F. Serrano-Claumarchirant
11:45-12:00	NAN-O10	Cyclic chain topology induces liquid crystal mesophases in poly(3-hexylthiophene)	J. Maiz
12:00-12:15	NAN-O12	Shape-memory behaviour in multifunctional polymeric nanocomposites	L. Peponi
12:15-12:30	NAN-O13	Novel strategies for covalent functionalization of boron nitride nanotubes with short polyethylene chains	S. Quiles-Díaz
12:30-12:45	NAN-O14	Morphology control of polymer/metal oxide hybrid nanoparticles towards the preparation of magnetically recoverable heterogeneous catalysts	O. Álvarez-Bermúdez
13:00	Ceremonia de Clausura / Closing Ceremony		

Áreas Temáticas

PRO Procesado, procesos industriales y reciclado de polímeros
 REO Reología y propiedades mecánicas de polímeros y materiales compuestos.
 SCP Síntesis y caracterización de polímeros
 BIO Polímeros biodegradables, biopolímeros y biomateriales
 NAN Polímeros y nanotecnología para aplicaciones avanzadas
 PL Conferencia Plenaria

Scientific Topics

PRO Processing, industrial processes and recycling of polymers
 REO Rheological and mechanical properties of polymers and composite materials
 SCP Synthesis and characterization of polymers
 BIO Biodegradable polymers, biopolymers and biomaterials
 NAN Polymers and nano-technology for advanced applications
 PL Plenary Session