Conference Program (I)

Tuesday 26th - Morning

	Giralda I-II	Santa Cruz	Nervión	Prado	Arenal	Giralda VI-VII	
08:30	Opening (Giralda I-II)						08:30
09:00	**J. Morris (PL1) - Giralda I-II** *Rheology and fluid mechanics of concentrated suspensions*						9:00
10:00	Coffee Break						10:00
Chairs	Marco Ellero	Gareth Mckinley	Annie Colin	Catarina Leal	Mario Minale	Anke Lindner	Chairs
10:30	**NF1 - D. Nieto Simavilla** *Learning of constitutive equations for multiscale simulation of dilute polymeric solutions using a GENERIC-guided approach*	**GS1* - S. Jamali** *"Keynote Lecture Network physics and emergence of elasticity in colloidal gels: Mechanical perspective"*	**SP1 - L. Kool** *Oscillatory compression of soft particles*	**BM1* - M. Rodriguez Hakim** *"Keynote Lecture The influence of saliva rheology on sheet formation and aerosolization"*	**EI1 - E. Chatzigiannakis** *Studying droplet coalescence at different length-scales: from films to droplets*	**MN1 - A. Darras** *In vivo and in silico red blood cell lingering and partitioning in the microcirculation*	10:30
10:50	**NF2 - N. Moreno** *Complex flow simulations of micros-tructured-fluids using a Lagrangian Heterogenous Multiscale Method*		**SP2 - J. Majesté** *Modelling extensional rheology of polyo-lefin based suspensions*		*"Keynote Lecture Studying droplet coalescence at different length-scales: from films to droplets"*	**MN2 - J. Vega** *Tears for microrheology: Experimental study of artificial eyedrops*	10:50
11:10	**NF3 - C. Balan** *Is any logic behind the principles of the constitutive relations?*	**GS3 - F. Müller** *Influence of surface topography on the yielding of thermo-reversible colloidal gels*	**SP3 - F. Blanc** *Measurement of suspensions transient viscosity upon any change of shear direction thanks to a novel Cross-Rheo-meter apparatus*	**BM3 - C. Giacomin** *Hagfish slime behavior in particle-laden environments*	**EI2 - L. Torres** *Interfacial viscoelastic properties and stability of emulsions*	**MN3 - V. Calabrese** *Alignment of colloidal rods in crowded environments*	11:10
11:30	**NF4 - M. De Micco** *Machine-learning-based measurement of the relaxation time of viscoelastic fluids via particle ordering*	**GS4 - V. Garbin** *Tuning local microstructure of colloidal gels by ultrasound-activated deformable inclusions*	**SP16 - A. Fall** *Viscous dissipation in sheared unsaturated wet granular materials*	**BM4 - C. Wagner** *Viscosity of the intercellular liquid in Red Blood Cells*	**EI3 - A. Majhi** *Coupling flow directions in emulsions with wall roughness*	**MN4 - Z. Li** *Dynamics of flexible Brownian filaments in 2D porous media*	11:30
11:50	**NF5 - G. Giusteri** *Flow-type dependent rheologies and multiscale simulations*	**GS5 - T. Gibaud** *Interpenetration of fractal clusters drives elasticity in colloidal gels formed upon flow cessation*	**SP5 - E. Masghouni** *Shear and elongation rheology of filled polymers and their nano-structured multicomponent systems for ultra-high absorbance of EMR (electromagnetic radiation)*	**BM5 - U. Windberger** *Blood rheology in contact to biological surfaces*	**EI5 - P. Capobianchi** *Shear rheology of a dilute ferrofluid emulsion: modelling and numerical simulation*	**MN5* - L. Casanellas** *"Keynote Lecture Microfluidic flow of vesicle prototissues as a model for cellular tissues"*	11:50
12:10	**NF6 - A. Colly** *Understanding instabilities for additive manufacturing in partially ordered system*	**GS6 - P. Lehéricey** *Probing plastic rearrangements in colloidal gels*	**SP6 - X. Chateau** *Contact and macroscopic ageing in colloidal suspensions*	**BM6 - C. Psevdos** *A monophasic blood flow model with slip for precise and accessible prediction of wall shear stresses in the microcircu-lation*	**EI6 - C. Delgado-Sánchez** *Novel heat transfer fluid obtained by non-aqueous phase change emulsion*		12:10
12:30	Lunch						12:30

Conference Program (II)

Tuesday 26th - Afternoon

	Giralda I-II	Santa Cruz	Nervión	Prado	Arenal	Giralda VI-VII	
Chairs	**Corneliu Balan**	**Joao Maia**	**Jeffrey Morris**	**Christian Wagner**	**Miguel Ángel Rubio**	**Juan Francisco Vega**	**Chairs**
13:50	**NF7* - M. Graham** *"Keynote Lecture* *Elastoinertial turbulence via Tollmien-Schlichting instability"*	**GS7 - A. Poulesquen** *The gel/glass duality of weak colloidal gels*	**SP7 - J. Ruiz-López** *Simulations of concentrated suspensions of rough parti-cles under boundary, mixed and full-film lubrication regimes*	**BM7 - M. Grassi** *Effect of cystic fibrosis sputum rheology on lungs drug delivery by inhalation*	**EI7 - O. Mileti** *Interfacial characterization and stability study of bituminous emulsions*	**MN7 - F. Bonacci** *Dynamics of semiflexible filamentsin oscillatory shear flows*	**13:50**
14:10		**GS8 - G. Camacho Villar** *Influence of particle size and magnetic field strength in the directed self-assembly under toggled fields*	**SP8 - M. Orsi** *Influence of coupled friction and adhe-sion on the rheology of non-Brownian suspensions*	**BM8 - M. Braunreuther** *In situ magnetic microrheology of airway mucus*	**EI8 - E. Gilbert** *Controlling rheology of a solid emulsion with phase-changing droplets*	**MN8 - A. Jeyasountharan** *Microfluidic device to reduce multi-par-ticle string formation and self-assemble particles in microfluidic flow*	**14:10**
14:30	**NF9 - R. Ghanbari** Taylor-Couette stability modes of cellu-lose nanocrystals suspensions directly from birefringence patterns	**GS10 - L. Hilliou** *Nonlinear elastic properties of gels made of different types of gelling carrageenan and their blends*	**SP9 - F. Balboa-Usabiaga** Rheology of suspensions of star colloids	**BM9 - R. Ferraro** Cancer viscoelasticity: A dynamic compression assay for tumor spheroids characterization	**EI9 - B. Medronho** Microrheology of novel cellulose stabili-zed oil-in-water emulsions	**MN9 - N. Burshtein** Transport dynamics of microparticles in inertio-elastic vortex flows	**14:30**
14:50	**NF10 - K. Zinelis** *The fluid dynamics of dripping onto a substrate*	**GS11 - F. Dutertre** *Chitosan-based hydrogels: Influence of crosslinking strategy on rheological properties*	**SP10* - O. Volkova** *"Keynote Lecture* *Capillary and rotational flow of a suspension of magnetic particles in the presence of discontinuous shear thickening"*	**BM10 - A. Wierschem** *Studying the impact of microtubule poly-merization affecting anti-cancer drugs on the cell mechanics with a monolayer rheometer*	**EI10 - C. Guidolin** *Controlling foam ageing in viscoelastic media*	**MN10 - F. Del Giudice** *Controlled viscoelastic particle encapsulations in microfluidic devices*	**14:50**
15:10	**NF11 - O. Manero** Constitutive modeling for flowing mice-llar solutions: the structure factor	**GS12 - M. Jiménez-Rosado** *Thermoresistant collagen/chitosan hydrogels for regenerative applications: Rheological and microstructural characterization*		**BM11 - M. Hertaeg** Jamming transition in biological tissues	**EI11 - F. Lavergne** Hallmarks of intermittent rearrange-ments in creep of liquid foams	**MN11 - M. Villone** Numerical study of the competitive effects of inertial and elastic forces on particle deformation and cross-streamli-ne migration in microfluidic flows	**15:10**
15:30	**Technical Exhibition & Coffee Break**						**15:30**
Chairs	**Natalie Germann**	**Nino Grizzuti**	**Philippe Coussot**	**Mario Grassi**	**Rosana Pasquino**	**Francesco Del Giudice**	**Chairs**
16:30	**NF12 - R. Poole** *Generalised Newtonian fluid models in complex flows*	**GS13 - T. De Maeseneer** *The effect of temperature and particle size on the mechanical properties of particulate crosslinked gelatin-metha-cryloyl gels*	**SP12 - M. Trofa** *Numerical simulation of clogging in a microchannel with planar contraction*	**BM12* - S. Recktenwald** *"Keynote Lecture* *AI-based microfluidic assessment of pa-thological red blood cell flow properties"*	**EI12 - T. Lenavetier** *Dissipative processes in an elementary foam*	**MN12 - T. Burghelea** *Dynamics of a single Newtonian droplet in a turbulent microscopic cross-slot flow of a shear thinning fluid*	**16:30**
16:50	**NF13 - R. Hill** *The Oldroyd-A model*	**GS14 - L. Alves** *Controlling the gelation of cellulose-based systems: Macro- and microrheology studies*	**SP13 - J. Maia** *Microstructure and rheology of confined semi-dense and dense suspensions: Effect of confinement, flow rate and particle rigidity*		**EI13 - P. Anderson** *Constitutive framework for rheologically complex interfaces with an application to elastoviscoplasticity*	**MN13 - J. Baué** *Role of the interfacial rheology on dro-plet dynamics in micro Hele-Shaw cell*	**16:50**
17:10	**NF14 - S. Varchanis** *Shear-thinning and shear-thickening effects in the Oldroyd-B model*	**GS15 - S. Russo Spena** *Relations between rheology and processing properties in the 3D-printing of k-Carrageenan physical hydrogels*	**SP14 - E. Lemaire** *Impact of particle stiffness on non-Brownian suspension rheology*	**BM14 - C. Leal** *Rheology of bacterial cellulose wound dressing membranes*	**EI14 - M. De Corato** *Retraction of thin films coated by insoluble surfactants*	**MN14 - A. Cirillo** *Characterization of the elongational behavior of a viscoelastic fluid through a microfluidic approach*	**17:10**
17:30	**NF15 - E. Southern** *Koopman with control for constitutive law identification*	**GS16 - A. Borrero-López** *Lignin as effective filler for enhancing cushioning properties of castor oil-based elastomers: Rheological and mechanical properties*	**SP15 - M. Minale** *Frequency dependent threshold for irre-versibility in non-Brownian suspensions*	**BM15 - S. Geisel** *Experimental challenges in charac-terizing the bulk rheology of bacterial biofilms*	**EI21 - O. Laukkanen** *Shear and dilatational rheology of microgel monolayers at the oil-water interface: a comparison between ultra-low crosslinked and regularly crosslinked pNIPAM microgels*	**MN15 - M. Smith** *Machine learning boosts rapid microrheology with optical tweezer measurements*	**17:30**
17:50	**NF16 - D. Amoroso** *Numerical simulations of the stretching and leveling flows of freestanding axisymmetric viscoelastic liquid films*	**SP4 - J. Carneiro** *Novel PDMS particle transparent sus-pensions suitable for visualization and velocimetry experiments*	**SP27 - T. Voigtmann** *Yielding and history dependence in fluidity models for glassy suspensions*	**BM16 - A. Ryl** *New criterion for assessing the potential of in situ gelling systems as injectable scaffolds*	**EI16 - N. Di Spirito** *Bubble breaking dynamics in complex fluids*	**MN16 - R. Gupta** *Capillary flow of wormlike micellar gels*	**17:50**
18:10	**End**						**18:10**

Conference Program (III)

Wednesday 27th - Morning

	Giralda I-II	Santa Cruz	Nervión	Prado	Arenal	Giralda VI-VII	
08:30	**G. McKinley (PL2) - Giralda I-II** *Compact and accurate descriptions of complex fluids and soft solids using fractional calculus*						8:30
Chairs	Michael Graham	Juan De Vicente	Evelyn van Ruymbeke	Patrick Anderson	Dimitris Vlassopoulos	María Jesús Hernández	Chairs
09:30		**GS17 - A. Leon-Cecilla** *Mechanical and microscopic characterization of alginate hydrogels dehydrated under controlled stresses*	**SM1* - S. Costanzo** *"Keynote Lecture* *Strain hardening of unentangled polymer solutions in fast shear flows"*	**IP1 - S. De Rosa** *Experiments and numerical simulations of the die swell pheno-menon of viscoelastic materials in 3D printing processes*	**EM1 - J. Sanders** *Rimming flow for measuring the complex viscosity H*(Ω)*	**FR1 - A. Ahlinder** *Utilising rheology in food 3D printing to achieve attractive meals for dysphagia patients*	9:30
09:50	**NF18 - S. Sneijders** *Simulating collisions of viscoelastic inhomogeneous droplets with smoothed particle hydrodynamics*	**GS18 - E. Guilbert** *Gelation of protein aggregate suspensions by salt diffusion*		**IP2 - M. Spanjaards** *Numerical study of the effect of thixotropy on extrudate swell*	**EM2 - F. Del Giudice** *Rapid temperature-dependent rheological measurements of non-Newtonian solutions using a machine-learning aided microfluidic rheometer*		9:50
10:10	**Coffee Break**						10:10
Chairs	Michael Graham	Juan De Vicente	Antxon Santamaría	Patrick Anderson	Dimitris Vlassopoulos	María Jesús Hernández	Chairs
10:40	**NF19 - C. Oishi** *Simulations of viscoelastic droplet-droplet collision*	**GS19 - S. Wojno** *Effect of sulfate content and counterion on phase transition of cellulose nanocrystal suspensions*	**SM3 - M. Zatloukal** *Measurement and modeling of uniaxial and planar extensional viscosities for various polymer melts in very fast flows*	**IP3 - M. Zare** *Entrainment of a viscoplastic fluid into a Newtonian fluid by a bubble crossing the interface between liquid layers*	**EM3 - T. Rüther** *A novel correction method for the shear rate in a couette rheometer*	**FR3* - A. Raymundo** *"Keynote Lecture* *Influence of rheology in 3D printing of protein based doughs"*	10:40
11:00	**NF20 - S. Bindgen** *Yielding mechanisms in capillary suspensions*	**GS20 - M. Tassieri** *What caging force cells feel in 3D hydrogels: A rheological perspective*	**SM4 - O. Hassager** *Small-angle neutron scattering study of the structural relaxation of elongationally oriented, moderately stretched three-arm star polymers*	**IP4 - S. Varchanis** *Torsional instability of constant viscosity elastic liquid bridges*	**EM4 - K. Lennon** *A data-driven method for automated superposition of rheological data*		11:00
11:20	**NF21 - A. Pereira** *Maximum spreading of impacting Newtonian and viscoplastic drops: Highlighting controversial scaling laws through numerical simulations*	**GS21 - C. Wobill** *Influence of substrate composition and viscoelasticity on growth of filamentous fungi*	**SM5 - G. Ianniruberto** *Modelling unentangled polymer melts in fast flows*	**IP5 - C. Georgantopoulos** *Understanding the sharkskin instability of filled rubber compounds: Investigating the influence of die geometry and filler dispersion*	**EM5 - J. Laeuger** *Polarized imaging: An essential tool for rheological investigations on complex fluids*	**FR5 - J. Zink** *Pre- and post-process evaluation of meat analogue texturability using high-pressure shear rheology and dynamic mechanical analysis*	11:20
11:40	**NF22 - K. Zografos** *The closed form Adaptive Length Scale model: Properties and performance for simple and complex flows*	**GS22 - M. Lopez-Lopez** *Rheological behavior of alginate-based magneto-polymer composites*	**SM6 - E. Gkolfi** *Investigating the structure-dynamics relation of star-shaped polymers in melts through atomistic molecular dynamics simulations*	**IP6 - M. Di Martino** *CFD characterization of the hollow-cone spray process: Newtonian and non-Newtonian fluids comparison*	**EM6 - M. Wilhelm** *Advanced combined rheometer setups to in-situ correlate molecular insights with mechanical properties*	**FR6 - N. Grizzuti** *Rheology-driven design of pizza gas foaming*	11:40
12:00	**NF23 - M. Krapez** *Soft blade coating of complex fluids*	**GS23 - S. Perez Robles** *Multiwave rheological tests to study thermogelation of HydroxyPropyl Methyl-Cellulose (HPMC) aqueous solutions*	**SM7 - V. Hirschberg** *Molecular origin of rheological properties of well-defined Polystyrene POM-POM model systems and comparison with well-defined PS combs and stars*	**IP7 - C. Gracia Fernández** *Rheological characterization of composites used in 3D printing*	**EM7 - K. Amini** *High resolution Doppler Optical Coherence Tomographic (D-OCT) measurements of near-wall velocity profiles in duct flows of viscoelastic fluids*	**FR7 - I. Sousa** *Lupin and chickpea yoghurts, the importance of rheology measurements on product development*	12:00
12:20	**Lunch**						12:20

Conference Program (IV)

Wednesday 27th - Afternoon

	Giralda I-II	Santa Cruz	Nervión	Prado	Arenal	Giralda VI-VII	
Chairs	**Ian Frigaard**	**Manlio Tassieri**	**Ole Hassager**	**María Graça Rasteiro**	**Loic Hilliou**	**Isabel Sousa**	**Chairs**
13:40	**NF24 - S. Sinha** *Disorder and non-linearity in immiscible two-phase flow in porous media*		**SM8 - C. Hannecart** *Tube-based modeling of stress relaxation of bidisperse linear polymer blends in the linear regime of deformation*	**IP8 - I. Calafel** *Flexible PVC foams by 3D-printing: Rheological aspects*	**EM8* - D. Curtis** *"Keynote Lecture Interconversion of parallel and orthogonal superposition rheometry data"*	**FR8 - P. Mouraka** *Jamming of non-colloidal plant cell-wall particles: the role of packing, mechanical properties, and surface interactions*	**13:40**
14:00	**NF25 - V. Niggel** *Imaging dense suspensions under shear*	**GS25 - Q. Sun** *Polymer induced liquid crystal phase behaviour of cellulose nanocrystal (CNC)*	**SM9 - S. Coombs** *Complex viscosity of star-branched macromolecules from analytical general rigid bead-rod theory*	**IP9 - P. Laure** *Identification of foaming parameters for polyurethane with the FOAMAT© device*		**FR9 - R. Cardinaels** *Extensional stress-relaxation measurements on wheat flour dough – The key to finalizing the Fractional K-BKZ framework?*	**14:00**
14:20	**NF26 - F. van Berlo** *Torsional fracture of viscoelastic liquid bridges*	**GS26 - D. Kogan** *Small and large amplitude oscillatory shear behavior of crosslinked polymeric system at the vicinity of the gel point*	**SM10 - V. Ianniello** *Determination of molecular weight distribution of UHMWPE via solution rheology*	**IP10 - E. Peuvrel-Disdier** *Foamability of linear and branched polypropylenes by physical extrusion foaming - Input of the thermomechanical analysis of pressure drop in the die*	**EM10 - M. Hoffmann** *Coupled Rheo-Dielectric: In-situ investigation of the alignment of lamellar blockcopolymers*	**FR10 - M. Nunes** *Improving dough rheology using partially purified algae biomass*	**14:20**
14:40	**NF27 - M. Villalba Chehab** *Visualizing plug formation in cavities and apertures with a yield stress fluid*	**GS27 - R. Aguirresarobe** *Rheological implications of chemically dynamic polymer networks*	**SM11* - C. Ligoure** *"Keynote Lecture Competition between shear and biaxial extensional viscous dissipation in the expansion dynamics of polymeric liquid sheets"*	**IP11 - T. Gibaud** *Mechanics and structure of carbon black gels under high-power ultrasound*	**EM11 - C. Misra** *Dichotomous behavior of stress and dielectric relaxations in dense suspensions of swollen thermoreversible hydrogel microparticles*	**FR11 - G. Della Valle** *Rheological properties of artificial boluses of cereal foods enriched with legume proteins to quantify food-saliva interactions*	**14:40**
15:00	**NF33 - K. Isukwem** *Stretching and breakup of falling viscoplastic sheets*	**GS28 - R. Pasquino** *Hardening phenomenon in wormlike micelles*		**IP12 - M. Staropoli** *Nanoscale investigation of the Payne effect in silica-filled rubbers through in-situ SAXS-rheological tests*	**EM12 - C. Marraffa** *Characterization of flow-induced soft particle glasses with a plane-plane rheometer and small-angle light scattering.*	**FR15 - D. Gabriele** *Functional bigels for food uses*	**15:00**
15:20	**Technical Exhibition & Coffee Break**						**15:20**
Chairs	**Baltasar Mena**	**Domenico Gabriele**	**Giovanni Ianniruberto**	**Edith Peuvrel-Disdier**	**Manfred Wilhelm**	**Alberto Romero**	**Chairs**
16:20	**NF29 - J. Cochran** *Slow fatigue and delayed sudden failure of amorphous and soft glassy materials in large amplitude oscillatory shear strain*	**GS29 - D. Vlassopoulos** *How to tailor the nonlinear rheology of supramolecular assemblies by changing their environment*	**SM13 - M. Sattari** *Melt rupture and wall slip of metallocene-catalyzed bimodal molecular weight distribution polyethylene under simple shear*	**IP13* - P. de Souza Mendes** *"Keynote Lecture Displacement of a yield strength material in a radial Hele-Shaw cell"*	**EM13 - A. Geffrault** *Shapes of 3D printed filaments of yield stress fluids*	**BM17 - M. Cidade** *Injectable composite systems of ALG:-GG microparticles in pluronic hidrogels for bioactive cargo controlled delivery: Optimization of hydrogel composition based on rheological behavior*	**16:20**
16:40	**NF30 - P. Edera** *Tuning internal stress distributions in soft particle glasses*	**GS30 - A. Huysecom** *Unravelling the network topology and elasticity of hydrophobically associating multiblock copolymers in aqueous solutions using a novel mechano-statistical transient network model*	**SM14 - S. Vervoort** *Assessment of a melt rheology approach to estimate composition in binary blends of linear low-density polyethylene (LLDPE) and low-density polyethylene (LDPE)*		**EM14 - M. Daneshi** *Flow onset mechanics of bubbles in yield stress fluids*	**BM18 - J. Ferreira** *Shear-induced crystallization of a therapeutic protein*	**16:40**
17:00	**NF31 - A. Pourzahedi** *Flow onset for a single bubble in a yield-stress fluid*	**GS31 - G. Legrand** *Phase diagram and rheology of polymer-carbon black aqueous suspensions*	**SM15 - S. Magalhães** *Intrinsic viscosity as a tool to study the effect of the extraction conditions on the molecular weight of lignin*	**IP15 - N. Jaouadi** *Rheological and morphological investigation of poly (lactic acid)/polyamide 11 biosourced multiphase systems going from polymer blends to multi-micro-nanolayers*	**EM15 - M. Coppens** *Measuring the stress ratio and the corresponding wall friction coefficient in powders*	**BM19 - V. Perez-Puyana** *Rheology as a key tool for the characterization of protein-based scaffolds for tissue engineering*	**17:00**
17:20	**NF32 - I. Frigaard** *Rising cloud of bubbles in a yield-stress fluid*		**SM16 - L. Hawke** *Tube model predictions accounting for flow induce disentanglement and tumbling*	**IP16 - E. Cortés-Triviño** *Rheological behaviour of green thickened matrices obtained from natural deep eutectic solvents (NADEs) and lignocellulose*	**EM16 - N. Germann** *Impact of CaCl2 concentration and in situ rheometric setup configuration on fast alginate-Ca2+ reaction*	**BM20 - M. Abrami** *Designing of polymeric gels mimicking the normal and fibrotic liver tissues: Effect of viscoelasticity on cells adhesion and survival*	**17:20**
17:40	**End**						**17:40**

Conference Program (V)

Thursday 28th - Morning

	Giralda I-II	Santa Cruz	Nervión	Prado	Arenal	Giralda VI-VII	
09:00	**A. Colin (PL3) - Giralda I-II** *Rheological behavior of non-Brownian suspensions: towards a quantitative modeling*						9:00
Chairs	Paulo de Souza Mendez	Moshe Gottlieb	Octavio Manero	Alexandra Aulova	Paula Moldenaers	Olivia du Roure	Chairs
10:00	**IP17 - N. Baldino** *SAOS and LAOS tests response of modified bitumens with SBS supported by morphological characterization*	**SM17 - L. Brandfellner** *Interplay of molecular weight distribution, drag reduction and degradation in shear for polyacrylamide*	**SP20 - C. Carotenuto** *Alteration of the water-soluble organic carbon induced by a simulated rainfall and its effect on natural slurries' rheology*	**SG1 - H. Winter** *Relaxation processes in partially arrested soft matter*	**EM17 - A. Rodriguez-Barroso** *Modeling and optimization of magnetic tweezers design*	**MN17* - G. D'Avino** *"Keynote Lecture* *Numerical simulations of viscoelastic particle ordering in a microfluidic channel"*	10:00
10:20	**IP18 - A. Neveu** *How does the rheology of lactose powders influence the pharmaceutical tablets weight consistency?*	**SM18 - A. André** *Linear viscoelasticity of unentangled and entangled linear supramolecular chains with sticky side groups*	**SP18 - J. López-Aguilar** *Effects of confinement-induced non-Newtonian lubrication forces on the rheology of a dense suspension*	**SG4 - H. Weingrill** *Powder rheological investigations of powder coatings in the fluidized state*	**EM18 - D. Tammaro** *Rheological characterization of microliter sized olefin block copolymers*		10:20
10:40	**Coffee Break**						10:40
Chairs	Paulo de Souza Mendez	Moshe Gottlieb	Octavio Manero	Helena Weingrill	Paula Moldenaers	Olivia du Roure	Chairs
11:10	**IP19 - F. Galindo-Rosales** *Influence of rheology and microscale on graphene-based inks in the gravure printing process*	**SM19* - F. Christakopoulos** *"Keynote Lecture* *""Tying the knot"",* *enhanced recycling through ultra-fast entangling across ultra-high molecular weight polyethylene interfaces"*	**SP19 - O. Ranquet** *Rheology of artists' paints: Study of oil-based mock-up paints containing egg yolk proteins*	**SG3 - A. Izzet** *Probing the mechanical properties of a weakly jammed granular packing through acoustic wave propagation in weightlessness*	**EM19 - P. Heyer** *Measurement and visualization of slip in rubber flow*	**MN19 - F. García Daza** *Microrheology in anisotropic colloidal suspensions by dynamic Monte Carlo simulations*	11:10
11:30	**IP20 - A. Tenorio-Alfonso** *Phototriggered curing of polyurethane adhesives based on o-nitrobenzyl-protected pentanediol and cadaverine precursors*		**SP17 - L. Gonzalez-Garcia** *Concentrated suspensions of conductive particles as electronic flowing leads*	**SG2 - S. Aime** *The yielding transition of soft glasses*	**EM20 - R. Hudson** *Stress-controlled optimally windowed chirp rheometry (∑-OWCh)*	**MN20 - A. Oseli** *Understanding carbon-nanotube network formation in polymer-based nanocomposites*	11:30
11:50	**IP21 - J. Rodríguez Agudo** *Characterization of the frequency and temperature dependency of the complex Poisson's ratio by combining axial and torsional measurements in a single rheometer*	**SM21 - D. Parisi** *Associative properties of poly(vinyl alcohol) solutions*	**SP21 - R. Andrade** *The influence of hexagonal boron nitride nanostructures on the xanthan gum rheological behavior*	**SG5 - K. Cerdan** *Magnetorheological self-healing elastomers based on thermoreversible Diels-Alder networks*	**EM21 - T. Athanasiou** *Measurement of both normal stress differences using two partitions and piezoelectric sensor*	**MN21 - C. Oelschlaeger** *Imaging of the microstructure of Carbopol dispersions and correlation with their macroelasticity: a micro-and macrorheological study*	11:50
12:10	**IP22 - M. Rasteiro** *Effects of poly(vinyl chloride) morphological properties on the rheology/aging of plastisols formulated using nonconventional plasticizers*	**SM22 - S. Coppola** *Rheology of associating and non-associating Ethylene-Propylene copolymers in lubricating hydrocarbon oils*	**SP22 - M. Zakhari** *Slip in soft permeable particles near a rigid wall*	**SG6 - D. Fauser** *Rheological characterization of humidity influences on thermoresponsive Shape Memory Polymers*	**EM22 - M. Khabazian Esfahani** *Quantifying simultaneous first normal stress and shear viscosity at high shear rates via capillary rheology for different LDPEs*	**MN22 - R. Biswas** *Investigating the micro-rheology of an aging colloidal clay suspension using an optical tweezer*	12:10
12:30	**Lunch**						12:30

Conference Program (VI)

Thursday 28th - Afternoon

	Giralda I-II	Santa Cruz	Nervión	Prado	Arenal	Giralda VI-VII	
Chairs	**Modesto López-López**	**Martin Zatloukal**	**Francisco Galindo-Rosales**	**Joamin González**	**Mariana Rodriguez Hakim**	**Peter Fischer**	**Chairs**
13:50	**GS33 - C. Boulet** *Ageing study of Bentonite, Attapulgite clays and their mixture*	**SM23 - R. Lyons** *On the synthesis and dynamics of polymer networks formed by dynamic covalent bonds and moving in a sticky polymer matrix*	**SP23* - L. Botto** *"Keynote Lecture Suspensions of plate-like particles with slip can display negative intrinsic viscosity"*	**SG7 - M. Alonso-González** *Influence of biopolymeric fractions on rheological, mechanical and functional properties of rice bran-based bioplastics*	**EI17 - K. Schwarzenberger** *Response of a surfactant- and particle-laden bubble surface to asymmetric shear flow*	**MN23 - L. Noirez** *Identification of the thermal response of confined fluids to mechanical shear deformation*	**13:50**
14:10	**GS34 - T. Bhattacharyya** *Ascertaining universal scaling behavior in a thermoresponsive polymeric system*	**SM24 - A. Gaillard** *What determines the drop size in sprays of polymer solutions?*		**SG8 - G. Della Valle** *Processing and mechanical behavior of extruded starch-protein composites*	**EI18 - D. Ashkenazi** *The effect of polymer chain flexibility on the interfacial viscoelasticity at the Air/Water Interface*	**MN24 - S. Fernández-Silva** *Electrorheological characterization of vegetable oil and nanoparticles based ecolubricants*	**14:10**
14:30	**GS35 - J. Ramirez** *Self-diffusion, rheology and network topology of star-shaped associative polymer gels studied by Molecular Dynamics simulations*	**SM25 - R. Miriyala** *A study on the thixotropic response of a filled polymer melt system*	**SP25 - M. Neukötter** *Instability analysis of suspensions with a polymer solution matrix*	**SG9 - S. Pashazadeh** *Extrusion instabilities in highly-filled wood fiber biocomposites*	**EI19 - P. Sánchez-Puga** *Nonlinear interfacial strain profiles and constant strain operation modes in the magnetic needle ISR*	**FR13 - L. Ramos** *Model gluten as near-critical gels*	**14:30**
14:50	**GS36 - D. Schmidt** *Carbon-black assemblies in highly concentrated suspensions: Influence of the solvent polarity and solvent mixtures on the structure*	**SM26 - H. Fatahi** *Rheological study and phase change behavior of adipic acid as a PCM for thermal energy storage at 150 °C*	**SP26 - J. Lalieu** *Rheology of a particle-laden soap film*	**SG10 - G. Baeza** *Topology and dynamics: The two faces of the mechanical reinforcement in crystallizable polymers*	**EI20 - D. Renggli** *Interfacial rheology of crowded phospholipid monolayers shows a fluid behaviour*	**FR14 - C. Leverrier** *Creation of plant particles weak gels through High Pressure Homogeneization (HPH) to limit sedimentation in juices*	**14:50**
15:10	**GS37 - Y. Stergiou** *Viscous fingering in a non-Newtonian liquid radial displacement by oppositely-charged surfactant-polymer interaction*	**SM27 - E. van Ruymbeke** *Dynamics and structure of metallo-supramolecular polymers based on telechelic precursors*	**SP28 - L. Hildebrand Pires da Cunha** *Settling dynamics of Brownian colloidal chains*	**SG11 - P. Bacova** *Dynamics and rheology in the vicinity of rough silica surfaces: Insight from the atomistic simulations*		**FR12 - P. Avallone** *Inverse quenching on gelatin solutions*	**15:10**
15:30	**Coffee Break**						**15:30**
Chairs	**Jorge Ramírez**	**Evelyn van Ruymbeke**	**Ricardo Andrade**	**Guy Della Valle**	**Carlos Bengoechea**	**Teresa Cidade**	**Chairs**
16:00	**NF28 - E. Missi** *Drag reduction assisted emulsification in cross-slot microchannel*	**SM28 - C. Coutouly** *ABA triblock copolymers as precursors for transient double networks with multiscale viscoelastic response*	**SP29 - M. Naccache** *Rheology of Amino-Functionalized Graphene Oxide Suspensions on Yield Stress Fluid*	**SG12 - D. Truzzolillo** *A cusp catastrophe model with disorder for the yielding transition of soft glasses*	**EI22 - L. Gala** *Fingers formation and oscillatory Kelvin-Helmholtz instability in miscible fluids*	**FR16 - S. Simões** *Clean Label emulsions based on vegetable proteins*	**16:00**
16:20	**NF34 - P. Moschopoulos** *Filament-stretching dynamics of elasto-viscoplastic materials*	**SM29 - H. Müller** *Polymer degradation and ageing of the poly(ethylene oxide) drag reduction reference system in long-distance turbulent pipe flow*	**SP30 - A. Aubel** *Effects of a non ionic surfactant on the rheology of colloidal suspensions*	**SG13 - G. Arnold** *From stiff to soft: glass characterization with dynamic mechanical analysis (DMA) up to 950 °C*	**EI23 - P. Palak** *Emergent patterns and stable interfaces during radial displacement of a viscoelastic fluid*	**FR17 - F. Martin** *Heat treatment of concentrated milk protein system affects viscosity and enzymatic coagulation properties*	**16:20**
16:40	**NF35 - A. Ghazal** *Density unstable displacement of a Newtonian fluid by a viscoplastic fluid: Effect of buoyancy*	**SM30 - A. Foroozani Behbahani** *Dynamics and rheology of polymer melts via hierarchical atomistic and coarse-grained simulations*	**SP31 - M. Marchand** *Stress relaxations upon flow cessation in dense soft sphere packings*	**SG14 - A. Aulova** *Modelling creep behavior of PEEK at different temperatures using artificial neural networks*	**EI24 - Y. El Omari** *Probing the elongational behaviour at interfaces of immiscible polymer systems using the dilational tensiometry: Effect of viscosity and temperature on the interfacial rheological properties*	**FR18 - M. Campos Assumpcao de Amarante** *Effect of acid precipitation on the gelation properties of quinoa protein isolate*	**16:40**
17:00	**NF36 - S. Habibi** *Numerical study of particle suspensions in elastoviscoplastic (EVP) duct flows*			**SG15 - D. Strugova** *Linear viscoelasticity of PP/PS/MWCNTs composites: investigating of co-continuous morphology evolution and filler network stability during steady shear*	**EI25 - L. Esteban** *Heterogeneous viscoelastic fluids in porous media*	**FR19 - H. Hernández** *Rheology, texture, and chemical characterization of Halloumi cheese enriched with algae biomass*	**17:00**
17:20	**Closing - Giralda I-II**						**17:20**
17:40	**End**						**17:40**