

Apr 18th							
Wednesday							
08:30 Opening Ceremony (Sirene)							
09:00 Plenary talk (PL1) - M. Cates - Flow of dense suspensions: Protocols to prevent jamming (Sirene)							
Sirene		Ulisse		Tritone		Nettuno 1	
Nettuno 2-3		Nettuno 4		Nettuno 5-6			
10:00	CS1 - T. Libertò - Rheology of CaCO ₃ paste: the solution's physico-chemical role	NF1 - J. Ma - The behaviours of the elastic capsules in viscoelastic fluid Poiseuille flow with finite inertia	SM1 - R. Ewoldt - Intrinsically-nonlinear rheometry	MN1 - H. Bodiguel - Flow of foam in model porous media	SG1 - K. Trachenko - New understanding of collective modes and thermodynamics of the liquid state	PG1 - F. Marchesini - Crude oils: wax crystallization and rheological behavior	BE1 - J. Hong - Interrelationship between bulk and interfacial rheology of emulsions stabilized with clay particles
10:20	CS2 - M. Cidade - Rheological properties of injection grouts incorporating nano-silica	NF2 - A. Sutil - Numerical study of three-dimensional multiphase flows of viscoelastic fluids with the Level-Set method	SM2 - T. Schweizer - Non-linear shear rheology of dendronized polymethacrylate melts studied with the cone-partitioned plate technique	MN2 - J. Kim - Flow instability and mixing in dilute polymer solution in a gear-shaped microchannel	SG2 - R. Bonnecaze - Shear-induced structural rearrangement in jammed suspensions of soft particle glasses	PG2 - B. Mena - Lubricated transport of very viscous oil in pipes	BE2 - A. Kannan - Dilatation mechanics and bubble coalescence of monoclonal antibody interfaces
10:40	CS3 - Y. Grasseili - Discontinuous shear thickening and stick-slip oscillations tuned by a magnetic field	NF3 - D. Izassarov - Dynamics of an elastoviscoplastic drop in a Newtonian medium under shear flow	SM3 - Q. Huang - Novel flexible polystyrenes show increased tensile strength	MN3 - S. Yang - Realization of multiple-line particle focusing under viscoelastic flow	SG3 - M. Gruber - The delocalization transition in a colloidal glass	PG3 - C. Carotenuto - Effect of solvents on the asphaltene aggregation in a heavy crude oil	BE3 - L. Walker - Impact of adsorbed colloidal complexes on fluid-fluid interfaces
11:00	Coffee Break						
11:30	CS4 - A. Papadopoulos - Particles in complex formulations: rheology, dynamics and microstructure	NF4 - G. D'Avino - Numerical simulations on the dynamics of a spheroid in a viscoelastic liquid in a slit microchannel	SM4 - Y. Matsumiya - Uniaxial extensional viscosity of Poly(n-alkylstyrenes)	MN4 - V. Preziosi - A novel microfluidic technique to measure interfacial tension of emulsions	SG4 - A. Furukawa - Shear thinning in glassy liquids	PG4 - P. de Souza Mendes - Water-in-crude oil emulsions: stability, separation, bulk rheology, and interfacial rheology	BE4 - A. Huerre - Transient string formation in colloid monolayers at fluid interfaces under ultrafast deformation
11:50	CS5 - O. Ozenda - A new elastoviscoplastic model for highly concentrated suspensions of solid particles	NF5 - P. Capobianchi - Thermocapillary motion of a Newtonian droplet in a viscoelastic fluid under Stokes flow conditions	SM5 - T. Shahid - Assessing the monomeric friction reduction mechanism with monodispersed linear polystyrene blends	MN5 - M. Villone - Determination of the mechanical properties of soft particles through a non-invasive microfluidic technique	SG5 - L. Ramos - Microscopic dynamics during the yielding of a dense glass of soft spheres	PG5 - G. Fuller - Spontaneous emulsification in the presence of asphaltenes	BE5 - N. Baldino - Surface behaviour of vegetable protein by pendant drop method
12:10	CS6 - R. Seto - Extensional versus shear rheologies for dense suspensions	NF6 - S. Kumar - Transfer of rate-thinning and rate-thickening liquids between separating plates and cavities	SM6 - R. Hodgkinson - The effect of extensional flow on shear viscosity	MN6 - E. André - Drop deformation in microfluidics for viscosity measurements	SG6 - R. Zia - The colloidal glass transition: Relaxing into arrest	PG6 - S. Khalilnezhad - Experimental investigation of the effect of hydrophilic nanoparticles on the rheological behavior of hydrolyzed polyacrylamide polymers: application in enhanced oil recovery	BE6 - M. Heuzey - Interfacial rheology of bacterial biofilms
12:30	CS7 - R. Chacko - Vorticity banding in dense suspensions	NF7 - A. Hojiej - Hydrodynamic mixing of yield stress fluids by gas injection	SM7 - M. Wagner - A novel criterion for brittle fracture of entangled polymer liquids	MN7 - A. Lindner - Microfluidic in situ mechanical testing of flexible particles	SG7 - G. Rossi - Dry granular flows rheology: experimental investigation and particles simulations	PG7 - R. Maitri - Lateral particle migration in random porous media	BE7 - M. Picicelli - Dilatational viscoelasticity of a polymer multilayer system at the air-water interface
12:50	Lunch Break						
14:20	CS8 - D. Parisi - Effects of shape on the dynamics of concentrated solutions of polymer-grafted nanoparticles	NF8 - M. De Corato - Acoustically enhanced bubble removal from yield stress fluids	SM8 - A. Berger - Molecular conformation of star polymers in nonlinear extensional flow followed by relaxation in small angle neutron scattering	MN8 - R. Cerbino - Differential dynamic microscopy microrheology: frequency-dependent moduli without tracking!	SG8 - D. Harris - A Cosserat plasticity model for the deformation and flow of granular materials and soils	PG8 - F. De Vita - Dynamics of elastoviscoplastic flows in porous media	BE8 - A. Bykov - Dilational surface rheology of pulmonary surfactants in broad range of surface pressures
14:40	CS9 - J. Ruiz-López - Biaxial extensional rheology of shear thickening fluids	NF9 - I. Karimfazli - Analysis of flow development in yield stress fluids	SM9 - M. Abbasi - Rheological properties of model comb polystyrenes with entangled and unentangled side chains	MN9 - L. Mason - Investigating the viscoelastic properties of complex materials and cells to study cancer migration	SG9 - L. Sardo - Low impact cratering on granular beds under low gravity	PG9 - S. Sinha - Crossover from linear to non-linear rheological behavior of two-phase flow of Newtonian fluids in porous media	BE9 - A. Audebert - Topological rearrangements and surface rheology: a multi-scale approach on dairy proteins foams
15:00	CS10 - J. Park - Influence of latex SBR binder on the rheological and adhesive properties of capillary suspension battery slurries	NF10 - S. Hatzikiriakos - Dynamic slip of polydisperse linear polymers using partitioned plate	SM10 - J. Madsen - Exploring the dependence of polymer architecture on rheology	MN10 - E. Bradt - Microrheology of biofluids	SG10 - T. Barker - Well-posed continuum equations for granular flow	PG10 - L. Paduano - Apparent wall slip of viscoelastic fluids with roughened geometries: a porous medium approach	BE10 - S. Tcholakova - Shear and dilatational viscoelasticity of saponin adsorption layers
15:20	CS11 - M. Liard - Jet instability of a shear-thickening suspension of solid particles	NF11 - F. Mollica - Exit effects in the wall slip of polymeric concentrated suspensions	SM11 - F. Stadler - Understanding and classifying thermorheological complexity for linear and branched polyolefins	MN11 - R. Hidema - Polymer-polymer interaction in a flow measured by a scanning probe microscopy	SG11 - R. Delannay - High speed confined granular flows down inclines: numerical simulations	PG11 - M. Geri - Controlled formation of hydrate suspensions via frozen emulsions	BE11 - J. Bergfreund - Effect of oil hydrophobicity on adsorption and rheology of β -lactoglobulin at oil-water interfaces
15:40	CS12 - B. Schroyen - High frequency rheology of colloidal dispersions: from hard to soft, from smooth to frictional	NF12 - P. Coussot - Yielding, wall-slip and instability, of yield stress fluids in "true" elongation (experiments)	SM12 - S. Pan - Entangled Double-stranded and single-stranded DNA soft gels under LAOS: nonlinearity and shear-banding instability	MN12 - G. Nava - Viscosity of a DNA transient network: Newtonian to shear thinning transition	SG12 - T. Trewthella - Size segregating intruders in oscillating shear cells	PG12 - J. Vermant - Towards rheology of lipid bilayers	BE12 - J. Vermant - Towards rheology of lipid bilayers
16:00	Coffee Break						
16:30	CS13 - R. Radhakrishnan - Understanding shear thinning of dense suspensions through simulations	NF13 - P. Bourrianne - Diving into a shear-thickening bath	SM13 - J. Den Doelder - Modeling the kinetics and rheology of thermo-mechanically degraded LDPE	MN13 - F. Tesser - Chiral micro-particles interacting with viscous shear flows	SG13 - A. Valance - Compressibility regularizes the μ ($\dot{\gamma}$)-rheology for dense granular flows	PG14 - N. Gaudel - Granular avalanches down vibrated inclines: an experimental and numerical approach	BE13 - M. Gottlieb - Viscous, elastic, and viscoelastic interfaces: the effect of polymer chain flexibility
16:50	CS14 - T. Gibaud - Dynamics of shear-thickening dispersions	NF14 - C. Williams - Molecular dynamics simulations of shear-thickening behaviour using a ...	SM14 - D. Tsalkis - Melt rheology of ring poly(ethylene oxide) melts and comparison with experimental data	MN14 - S. Haward - Viscoelastic Poiseuille flow through wavy-wall microchannels	SG15 - M. Korhonen - Interparticle friction controls submerged granular flows in simulations	PG15 - M. Le Merrec - Wall slip regimes in suspensions of polymer microgels	BE14 - M. Rubio - The bicone interfacial shear rheometer revisited: flow field based data processing for the oscillating conical bob
17:10	CS15 - R. O'Neill - Liquid migration during extrusion of concentrated shear thickening suspensions	NF15 - I. Frigaard - Inline settling of particles in a Bingham Fluid	SM15 - C. Das - Tube theory modelling for the linear rheology of polydisperse linear polymers	MN15 - L. Ducloux - Secondary flows of viscoelastic fluids in curved microchannels	SG16 - T. Kranz - Rheology of dense granular fluids from first principles	PG17 - J. Sun - Rheology of dense granular materials under steady or dynamic shear	BE15 - F. Martinez-Pedrero - Linear shear rheology of aging β -casein films adsorbing at the air/water interface
17:30	CS16 - J. Royer - Contact forces and particle interactions in shear thickening suspensions	NF16 - M. Zare - Hydrodynamic instabilities in displacing a viscoplastic fluid with a Newtonian fluid	SM16 - H. Taghipour - Nonlinear shear behavior in binary blends of linear polymers with well-separated molecular weights	MN16 - J. Morillas - Steady shear flow behavior of magnetorheological fluids in microchannels	SG17 - J. Sun - Strand plasticity governs fatigue in colloidal gels	PG18 - E. Di Maio - The role of elasticity in pore wall breaking	BE16 - P. Moldenaers - Understanding the foamability and mechanical properties of foamed polypropylene blends by shear and extensional rheology
17:50	CS17 - S. Jesinghausen - Wall slip and concentration measurements by means of modified PIV methods	NF17 - M. Daneshi - Experiments on obstructed viscoplastic flow in a thin slot					BE17 - E. Di Maio - The role of elasticity in pore wall breaking
18:10	Poster Session with reception sponsored by Anton Paar (Foyer Sirene)						
20:00	End						

Apr 19th		Thursday						
08:30		Plenary talk (PL2) - M. Cloitre - Microscopic design of soft colloidal materials (Sirene)						
		Sirene	Ulisse	Tritone	Nettuno 1	Nettuno 2-3	Nettuno 4	Nettuno 5-6
09:30	CS18 - H. Goswami - Rheology of jammed suspensions of anisotropic particles	NF18 - A. Pereira - Buckling of viscoplastic fluid filaments under compression stresses	MN17 - A. Domingues - Inertial and elastic flow instabilities in a mixing-separating microfluidic device	NF52 - M. Hulsen - Stable simulation of viscoelastic fluid flow using integral models	SG18 - X. Jia - Acousto-Rheology: probing and triggering of unjamming in dense granular media	P55 - K. Rementzi - Linking extensional deformation of flagfish mucin hydrogels to their environment and dynamic structure	BE18 - C. Mitras - Simulation of bubble growth during the foaming process	
09:50	CS19 - J. Férec - A rheological constitutive model for semiconcentrated rod suspensions in Bingham fluids	NF19 - K. Cho - Equations of motion from the nonequilibrium statistical mechanical theory for material in deformation	MN18 - S. Shin - Inertial micropump in microfluidics	NF53 - A. Mackay - Theoretical & computational modelling of compressible viscoelastic fluids		P56 - S. Goujard - Viscoplastic materials based on surfactant-activated microgels	BE19 - U. Handge - Strain-softening of polystyrene-block-poly(4-vinylpyridine) diblock copolymers in melt elongation for foam processing	
10:10	CS20 - M. Ellero - Modeling, simulation and rheology of particulate systems interacting with a viscoelastic matrix	NF20 - K. Sato - Direct observation of orientation distributions of actin filaments in a solution undergoing shear banding	MN19 - F. Del Giudice - High throughput viscoelastic ordering of particles in a straight microfluidic channel	NF54 - A. Rüttgers - Sparse grids - an approach to reduce the complexity of multiscale simulation	SG19 - J. Goddard - Dissipation potentials and gradient regularization of granular Hadamard instability	P57 - S. Aime - Power law viscoelasticity of a fractal colloidal gel	BE20 - P. Martiny - Linear and non-linear mechanical properties of solid closed and open cell foams	
10:30	CS21 - P. Kuzhir - Dimorphic magnetorheological suspension based on sepiolite needles	NF21 - J. Adams - Transient shear banding in the nematic dumbbell model of liquid crystalline polymers	MN20 - R. Georgiev - Tuning particle translation and rotation in shallow microfluidic channels via particle shape - experiments and simulations	NF55 - C. Balan - Fluid - spherical particles interaction in confined domains: the glass bead game	SG20 - A. Arseni - 3D simulation of dense granular flow in a rotating drum	P58 - R. Cabriolu - Precursors to failure in a gel forming system	BE21 - J. Sepulveda - Rheological properties of biosourced foams produced by microchannels at high throughput	
10:50	Coffee Break sponsored by Malvern							
11:20	CS22 - F. Fneich - Structure and rheology of cellulose nanofibrils suspensions and hydrogels: effect of volume fraction and ionic strength	NF22 - M. Jenny - Shear-banding and Taylor vortices in thixotropic yield stress fluids according to a structural parameter model	SM17 - B. Khomami - Molecular rheology of entangled polymeric fluids: understanding bulk flow behavior based on single molecule dynamics	NF56 - S. Claus - A cut finite element method for multi-phase viscoelastic flows	SG21 - Y. Chung - Granular column collapse in fluid: combined CFD-DEM modelling and experimental validation	P59 - Y. Leong - Microstructure of Hectorite Clay Gels with Long Ageing Timescale	BE22 - V. Schmitt - Use of rheology to determine water fluxes and encapsulation efficiency in double emulsions	
11:40	CS23 - E. D'Ambrosio - Shear-induced resuspension of spherical particles in a Couette device: measurement of the steady concentration profiles	NF23 - V. Vasisht - Inertia induced permanent shear band instability of dense amorphous systems	SM18 - J. Takimoto - Stress relaxation of polymer melts under fast shear flow: a simulation study	NF57 - K. Zografos - A two-phase viscoelastic solver considering a diffuse interface model	SG22 - M. Le Goff - Finite shear rate critical point in a mesoscopic model of flowing disordered materials	PS10 - C. Oelschlaeger - Structural, macro- and micro-mechanical properties of supramolecular bi-component L-Lysine-sodium tetraphenyl borate based hydrogels		
12:00	CS24 - A. Zinchenko - Flocculation of non-Brownian suspensions	NF24 - L. Noirez - Thermal shear banding observed in ordinary low molecular weight polymer melts	SM19 - Y. Masubuchi - Stress undershoot of entangled polymers under fast startup shear flows in primitive chain network simulations	NF58 - S. Ingelsten - Simulating the dispensing of complex rheological fluids on arbitrary geometries using the immersed boundary method	SG23 - L. Gömze - Rheological principles of development self-healing ceramic based composite materials with extreme dynamic strength	PS11 - J. Godefroid - Dynamics of alginate/ceramic suspension droplets impacting a bath of calcium ions	BE23 - M. Govaec - Rheology and structure of drying emulsions	
12:20	CS25 - N. Wagner - Advances in thixotropy modeling of suspensions applied to fumed silica, carbon black and blood	NF25 - H. Jin - Effect of non-local stress on shear banding flow in confined geometry: numerical simulation and rheological measurement	SM20 - G. Milano - Exploring polymeric materials with multiscale simulations for interface engineering	NF59 - M. Cracco - Linear stability and transient behavior of viscoelastic fluids in boundary layers	SG24 - K. Kang - Non-uniform flow in soft glasses of DNA-virus suspensions	PS12 - S. Rektenwald - Elongational flow behavior of low concentrated surfactant solutions	BE24 - L. Paduano - Flow-induced nanostructuring of gel emulsions: a small-angle neutron scattering study	
12:40	CS26 - J. Schmitt - TEMPO-oxidized cellulose nanofibrils: probing the mechanisms of gelation via small-angle X-ray scattering and rheology	NF26 - S. Fielding - Edge fracture versus shear banding in entangled polymeric fluids	SM21 - P. Bacova - Computational design of nanostructured polymer materials: atomistic simulations of self-assembled miktoarm star copolymers	NF60 - K. Housiadas - The singularity of the Oldroyd-B model for the viscoelastic flows past a cylinder and past a sphere	SG25 - O. Alean - Time-dependent behavior of polymer-metal composite stripe for magnetic encoders	PS13 - N. Denkov - Control of surfactant solution rheology using medium-chain cosurfactants	BE25 - M. Barra - Monitoring complex fluids microstructure by using organic electrochemical transistors	
13:00	Lunch Break							
14:30	CS27 - S. Hormozi - The interaction of spherical particles in simple-shear flows of yield stress fluids	NF27 - O. Manero - Localized structures in rheologically complex fluids	SM22 - H. Watanabe - Viscoelastic and dielectric relaxation of reptating type-A chains affected by head-to-head association/dissociation	FP1 - M. Grassi - Swelling of viscoelastic matrices by viscoelastic fluids	IP1 - N. Grizzuti - Blending microcrystalline and resin constituents of a chewing gum: dependence of the blend viscoelastic properties on the temperature history	PS14 - G. Park - Exploring Shear Thickening of Telechelic Associating Polymers through Stochastic Simulations	BE26 - M. Denn - Carbopol: from a simple to a thixotropic yield stress fluid	
14:50	CS28 - S. Kumar - Rheology and electric field response of fumed nanoparticles in nematic liquid crystal suspensions	NF28 - G. Georgiou - Solutions of pressure-driven flows of yield stress fluids with pressure-dependent rheological parameters	SM23 - F. Zhuge - Shear and extensional rheology of entangled bulk polymers functionalized with metal-ligand coordination	FP2 - D. Gaudino - Drug release in a micellar solution: a study based on DWS micro-rheology		PS15 - P. Bertsch - The Self-Assembly and Aggregation of Nanocrystalline Cellulose in two and three Dimensions	BE27 - M. Jalaal - Viscoplastic water-entry	
15:10	CS29 - J. Maia - Rheology and microstructure of colloidal suspensions in confined flows	NF29 - A. Syrakos - Simulation of the flow in fluid dampers: effects of fluid elasticity and plasticity	SM24 - T. Tomkovic - Rheology and Capillary Flow of Ionomers	FP3 - F. Lupi - A rheological and microstructural characterisation of MAGs organogel at different stearate/palmitate ratio for medical applications	IP2 - C. Xu - How rheological properties affect fine line screen printing of pastes: a combined rheological and high-speed video imaging study	PS16 - P. Sudersan - Unusual self-assembly behavior of polyelectrolytes	BE28 - F. Léonardi - From recycled polymers waste to microfibillar composites	
15:30	CS30 - A. Giuliani - Interfacial slip of colloidal suspensions investigated by near-wall dynamic light scattering	NF30 - T. Divoux - Pattern formation and fingering instability in carbon black gels	SM25 - M. Shivokhin - Linear and non-linear rheology of hyper-branched EAA-cb-PP comb block copolymers	FP4 - S. Varghese - Controlled release of hydrophobic drug-ibuprofen using Fe-based nano biocomposite impregnated on a polymeric matrix	IP3 - M. Kracalik - Assessment of reinforcement in polymer nanocomposites using cumulative rheological parameters	PS17 - B. Wolf - Viscosity of polyelectrolyte solutions as a function of composition in the absence and in the presence of extra salt	BE29 - Y. Niu - Effects of ionic liquids and thermal annealing on the rheological behavior and electrical properties of poly(methyl methacrylate)/carbon nanotubes composites	
15:50	Coffee Break							
16:20	CS31 - V. Labelette - Rheology of a suspension of colloidal plate-like particles with repulsive electrostatic interactions	NF31 - P. Anderson - Elastic instabilities in injection molding	SM26 - H. Winter - Viscoelasticity of microphase separated brush block copolymers - molecular weight dependence	FP5 - R. Pasquino - Zeolites as support for anti-inflammatory drugs: rheology as a tool to track the release in a gel-like fluid	IP4 - R. Kádár - Linear and nonlinear shear rheology of low percolation graphene polymer nanocomposites	LA1 - R. Winkler - Dynamics and rheology of active particles in microchannel flows	BE30 - R. Gallu - Rheology and morphology relationships of polyurethane modified bitumen	
16:40	CS32 - C. Lang - Polydispersity influences on the shear thinning behavior of rodlike colloids	NF32 - C. Barentin - Wetting of yield-stress fluids	SM27 - A. Louhichi - Shear strain hardening and uniaxial stress relaxation after flow cessation of supramolecular living polymers	FP6 - C. Zhang - The rheology of environmentally friendly personal care products	IP5 - R. Andrade - Rheology and processing of polymer nanocomposites with graphene and other 2D materials		BE31 - E. Helal - Effect of graphene on the rheological behavior of linear low density polyethylene/ethylene vinyl acetate co-continuous blends	
17:00	CS33 - P. Ilg - Magnetic nano-colloids in viscoelastic media: magnetic susceptibility, nanorheology and magnetoviscous effect	NF33 - C. Kusina - Spreading behaviour, structures and properties of complex fluids	SM28 - A. Sharma - Effect of polymer architecture on viscoelastic properties of thermoplastic elastomers	FP7 - F. Meyer - The use of rheological measurements to study the stability of food and cosmetic emulsions	IP6 - D. Ferri - Correlation between polymer and powder characteristics and the properties of items produced by means of the rotational molding technique	LA2 - D. Fedosov - Formation and dissociation of VWF-platelet aggregates in blood flow	BE32 - G. Filippone - Self-assembly of nanoparticles in immiscible polymer blends	
17:20	CS34 - R. Massaro - Role of polymer matrix architecture on the rheology and flow induced microstructure of colloidal dispersions	NF34 - C. Metivier - Natural convection in shear-thinning fluids: velocity and temperature measurements by MRI	SM29 - E. Van Ruymbeke - Understanding and modelling the viscoelastic properties of metallo-supramolecular networks moving in a linear polymer matrix	FP8 - P. Lopez-Sanchez - Viscoelastic properties of plant polysaccharides impact mechanics and rheology of cellulose hydrogels	IP7 - B. Robertson - Computer simulations and experimental studies of extrudate swell in monodisperse and polydisperse polystyrenes	LA3 - C. Dessi - Activity modifies shear-thinning rheology in dilute suspensions of kinesin-driven microtubules	BE33 - W. Wong - Constitutive modelling of dispersive polymer blends	
17:40	CS35 - M. Fuchs - Channel flow of a colloidal suspension	NF35 - T. Burghellea - Elastic turbulence in a serpentine micro-channel: onset, development, statistics and decay properties	SM30 - X. Wang - Linear-nonlinear dichotomy of Nonlinear rheological behavior in polymer melts filled with particles	FP9 - D. Gabriele - A rheological approach to bigel investigation	IP8 - G. Peters - A full model for flow-induced, multi-phase, multi-morphological crystallization of isotactic polypropylene: application to inhomogeneous slit flow	LA4 - C. de Loubens - Flow induced by active intestinal mucosa at macro- and micro- scales	BE34 - S. Caserta - Multilamellar vesicles morphology under flow	
18:00	End							
19:00	Concert in the Cathedral (Sorrento Cathedral)							
20:00	Conference Dinner (ristorante 'o Parrucchiano) (sponsored by TA Instruments)							

Apr 20th	Friday						
08:30	Awards (Sirene)						
09:00	Plenary talk (PL3) - F. MacKintosh - Mechanical phase transitions and the rheology of stiff polymers (Sirene)						
	Sirene	Ulisse	Tritone	Nettuno 1	Nettuno 2-3	Nettuno 4	Nettuno 5-6
10:00	CS36 - R. Angelini - Multi-responsive soft microgels: phase behaviour and rheology	NF36 - C. Ligoure - Fracture propagation in polymeric transient networks	SM31 - T. Inoue - Viscoelastic properties of semiflexible polymer solutions	FP10 - M. Stading - Nano-rheometry for food oral processing	IP9 - C. Lee - Stability analysis of isothermal and non-isothermal viscoelastic film casting processes	LA5 - D. Antonio - Biological and bio-inspired motility at microscopic scales: locomotion by shape control	EM1 - P. Bohr - Mono- and Biconical Geometries in Rheometers: Exact solution for the Flow Field and Implications for the Design of Measuring Systems
10:20	CS37 - M. Mattiello - Rheology of hydrophobically modified soft colloids in water		SM32 - M. Tassieri - Dynamics of semiflexible polymer solutions in the tightly entangled concentration regime: the fall of a theoretical framework	FP11 - L. Howarth - Understanding starch swelling behavior and how it impacts rheology and functional properties of food systems	IP10 - C. Balemans - Computational modeling of the selective laser sintering process: viscoelastic flow	LA6 - L. Feriani - Collective dynamics of motile cilia	EM2 - E. Stellmanns - Structural rheology at multiple time and length scales
10:40	CS38 - A. Fanost - How artists achieved tempera paints? Rheology a key tool to understand heritage materials behavior	NF37 - I. Skvortsov - Periodic oscillations in shearing complex liquids	SM33 - A. Bellissimo - Rheology of Polyvinyl alcohol in semi-diluted water solution	FP12 - J. Aguilar - How do pH and acid anion affect thermal gelation of egg yolk?	IP11 - B. O. Conchuir - The structural and rheological properties of micelles in a shear flow	LA7 - K. Martens - Non-linear rheology in a model biological tissue	EM3 - D. Gross - Rho-NMR, a combination of nuclear magnetic resonance (NMR) and rheometry to provide complementary information on the rheological properties of matter
11:00	Coffee Break						
11:30	CS39 - R. Sear - Spontaneous stratification in drying films of small and large particles	NF38 - R. Castellani - Colling instabilities for a power-law fluid: experimental and numerical comparison to the Newtonian case	SM34 - X. Li - Interactions between rigid rod polysaccharide solutions and saliva	FP13 - Y. Meewis - Investigation of the rheological behavior of blended dough systems: examining the interplay between wheat and rye flour	IP12 - Z. Li - Rheological analysis to understand the mechanism of sewage sludge dewaterability	LA8 - D. Weis - Rheology of pre-metastatic lung reveals stiffening after in vivo exposure to tumor-derived microparticles	EM4 - A. Koponen - Experimental Investigation of the flow dynamics and rheology of complex fluids in pipe flow by hybrid multi-scale velocimetry
11:50		NF39 - D. Bernardin - Taylor-Couette flow of a shear-thinning fluid	SM35 - T. Shikata - Viscoelastic behaviour of aqueous solution of chemically modified cellulose ethers	FP14 - M. Meerts - Fractional constitutive modelling of the linear and non-linear behaviour of wheat flour...	IP13 - D. Nieto Simavilla - Anisotropic thermal transport in non-linear non-isothermal polymeric flows	LA9 - A. Demiroers - Colloidal shuttles for programmable cargo delivery	EM5 - M. Grosso - Data driven calibration of in line viscosity sensors
12:10	CS40 - Z. Varga - Modeling a hydrodynamic instability in freely settling colloidal gels	NF40 - J. Giacomin - Thermodynamic instability of polymeric liquids in large-amplitude oscillatory shear flow	SM36 - V. Kulichikhin - Rheological and hydrodynamic properties of solutions of binary copolymers based on acrylonitrile prepared by different synthetic procedures	FP15 - I. Sousa - Yoghurt as a nutritional ingredient in bakery foods impact on rheology characteristics of the wheat bread dough	IP14 - M. Naccache - Exchange flow of yield stress materials in vertical tubes	LA10 - G. Zanchetta - Poised between order and disorder: stress and birefringence relaxation in sheared DNA solutions across the Isotropic-Nematic transition	EM6 - H. Dakhlil - Measuring the adhesion limit of cells with a narrow-gap rotational rheometer
12:30	CS41 - C. Negro - A constitutive model for reversible structured materials	NF41 - H. Wilson - Channel flow instabilities in shear-thinning viscoelastic fluids	SM37 - D. Read - Redrawing the Viovy diagram for binary polymer blends	FP16 - S. Costanzo - Aging and Rheology of Gluten Doughs	IP15 - M. Gahleitner - Gelation phenomena in polypropylene and polyethylene as caused by phase separation, nucleation or crystallization	LA11 - M. Nicodemi - Polymer physics of chromosome 3D organisation	EM7 - M. Bouzid - Computing the linear viscoelastic properties of soft gels using an Optimally Windowed Chirp protocol
12:50	Lunch Break						
14:20	CS42 - T. Ridley - Computer simulations of packed soft colloids	NF42 - M. Davoodi - Delay of symmetry-breaking instability in cross-slot geometries using a passive flow-control mechanism	CS52 - W. Chèvrement - Rheology of suspension and particles interactions	FP17 - B. Eral - Biodegradable microfluidic microparticles for simultaneous detection of counterfeit and deteriorated edible products	IP16 - G. Märtensson - Filament breakup and satellite formation in the jetting of highly viscous dense suspensions for electronics applications	LA12 - T. Voigtman - Theoretical rheology of activerbrownian particles	EM8 - G. McKinley - Optimal Fourier Transform Rheometry for Probing Oscillatory Rheology of Complex Fluids & Gels
14:40	CS43 - M. Leomach - Gelation as condensation frustrated by hydrodynamics and mechanical isotacticity	NF43 - H. Barlow - Instability of pressure driven channel flows of shear-thinning viscoelastic fluids	CS53 - R. Martone - Effect of the Soil Organic Carbon on the rheology of natural slurries	FP18 - A. Raymundo - Evaluation of the fermentation and aging process of a traditional Eastern fermented product (miso) through its rheological characterization	IP17 - G. Baeza - The reinforcement effect in well-defined segmented copolymers: counting the topological ...	LA13 - E. Herrera Valencia - Simultaneous pulsatile and vibratile flow of a human blood with cholesterol: analytical and numerical solutions	
15:00	CS44 - X. Zhang - Wall slip under unconfined conditions	NF44 - M. Bechert - A combined experimental and theoretical study on draw resonance in polymer melt spinning	CS54 - V. Calabrese - Surfactant controlled zwitterionic cellulose nanofibrils dispersions	FP19 - M. Rouillet - Mixtures of soft colloids: study of the viscosity of protein-stabilised emulsions	IP18 - C. McIlroy - Semi-Crystalline Polymers in Additive Manufacturing	LA14 - A. Undieh - Characterizing the shear rheology of live endothelial cell monolayers	EM9 - E. Reichel - Electrical breakup rheometry of biofluids in oil submersion
15:20	CS45 - D. Truzzolillo - The glass transition of soft colloids	NF45 - H. Suzuki - Flow Characteristics of Visco-elastic Fluids Injected from a Nozzle	CS55 - S. Gstoehl - Four-dimensional characterisation of microstructure and rheology in suspension flow	FP20 - L. Lanotte - Mechanisms of drying-induced particle formation in mixtures of dairy proteins: a multiscale approach	IP19 - P. Olmsted - Fused deposition modeling with amorphous (glassy) polymers	LA15 - P. Boukany - Rheological response of cellular membranes in pulsed electric fields	EM10 - J. Van Aeken - A new filament stretching device and the exploration of its capabilities and complementarity to existing techniques
15:40	CS46 - V. Mahajan - Rheology of non-spherical granular suspensions	NF46 - R. Sayag - Instability of non-Newtonian extensional flows	CS56 - G. Natale - Orientation dynamics of dilute graphene suspensions: dichroism and modeling	FP21 - C. Leverrier - Modelling the viscosity of soft plant particles suspensions	IP20 - M. Yamaguchi - Rheological properties at non-isothermal melt-stretching process and its control by blend technique	LA16 - G. Tomaiuolo - The mechanisms governing red blood cell aggregation. Implications for blood rheology	EM11 - S. Coppola - "Stretching" the operating boundaries of SER: extensional characterization of branched polybutadiene beyond 4 Hencky strain units
16:00	Coffee Break						
16:30	CS47 - L. Gury - Can soft colloids jam? A comparison between polyelectrolyte microgels and star polymers	NF47 - M. Zatloukal - Effect of die exit stress state, Deborah number, uniaxial and planar extensional rheology on the neck-in phenomenon in polymeric flat film production	CS57 - R. Lapasin - Aging and rheology of salt-free aqueous Laponite dispersions	FP22 - J. Engmann - Rheological design spaces for foods, beverages and skin care products	IP21 - F. Baldi - Capillary flow of HDPE melts filled with lamellar rigid microparticles	LA17 - C. Wagner - 3-D tomography of blood flow	EM12 - Z. Stary - On the role of the initial sample geometry in the extensional behaviour of a LDPE melt
16:50	CS48 - V. Trappe - Hallmarks of local intermittent relaxation events in the creep behavior of a colloidal gel	NF48 - S. Mirzaagha - Physical stability of structured fluids containing air bubbles	CS58 - R. Tanner - A Quest for a model of non-colloidal suspensions	FP23 - P. Fuhrmann - Clustering of oil droplets in o/w emulsions: Methodologies to control cluster size and interaction strength	IP22 - F. Briatico Vangosa - Effects of mold surface treatment on flow behavior and flash formation in BMC injection molding	LA18 - U. Windberger - The Newtonian behavior of whole blood in dromedary camels	EM13 - P. Rohlmann - Some experimental pitfalls in measuring viscosity of Ionic Liquids
17:10	CS49 - G. Colombo - High speed confocal microscopy of sheared colloidal gels	NF49 - A. Shen - Inertioelastic flow instability at a stagnation point	CS59 - K. Shahrivar - Effect of Confinement in the Field-induced Aggregation of Magnetorheological Fluids	FP24 - J. Zhang - Bulk and interfacial rheology oil-in-water emulsions stabilised with different types of sugar beet pectin-sodium caseinate conjugates	IP23 - R. Colby - Shear-induced conformational changes of flexible and semi-rigid engineering thermoplastics and their influence on crystallization	LA19 - F. Lamer - LAOStress studies of fibrin clots: The role of incipient clot microstructure in the nonlinear viscoelastic properties of fully formed fibrin clots	EM14 - D. Vlassopoulos - First and second normal stress differences in polymer fluids
17:30	CS50 - G. Petekidis - Yielding mechanisms and internal relaxations in sheared attractive glasses	NF50 - M. Doi - Onsager principle in viscoelastic flows	CS60 - M. Rosti - Numerical study of suspensions of deformable particles	FP25 - M. Kristiawan - Bolus rheology during chewing of high protein extruded snack from pea flour	IP24 - J. Ruiz-Franco - Crystallization of star polymers under shear flow	LA20 - S. Varchanis - Identification of the viscoelastic properties of human blood plasma	EM15 - T. Prenveille - Partitioned plate arrangement: a rheological tool to characterize reactive polymers
17:50	CS51 - R. Pastore - Dense vesicle suspensions: relaxation processes and dynamic heterogeneities	NF51 - S. Formenti - Jetting of weakly viscoelastic fluids: a study on polymer degradation in ROJER experiments	CS61 - P. Carreau - Rheological behavior of cellulose nanocrystals (CNCs) in molten polymers	IP25 - R. Pantani - Mutual effects of flow and crystallization: analysis of morphology development and hardening in a polypropylene	LA21 - G. Pesce - Investigation of red blood cell membrane deformability during aging	EM16 - J. Laeuger - On the use of a new Shear-Induced Polarized Light Imaging (SIPLI) technique	
18:10	Closing Ceremony						
18:30	End						

BE - Blends, Emulsions, Foams & Interfacial Rheology

CS - Colloids & Suspensions

EM - Experimental Methods & Progress in Rheometry

FP - Food, Pharmaceuticals & Cosmetic

IP - Industrial Rheology & Processing

LA - Living & Active Matter

MN - Micro, Nano Fluidics & Microrheology

NF - Non Newtonian Fluid Mechanics & Flow Instabilities

PS - Polyelectrolites, Self Assembling, Fluids & Gels

SM - Polymer Solutions & Melts

PG - Porous Media, Geo Fluids, Crude Oil & Derivatives

SG - Solids, Glasses, & Granular Materials

Poster