

Wednesday, April 18th							
Opening Ceremony (Sirene)							
Plenary talk (PL1) - M. Cates - Flow of dense suspensions: Protocols to prevent jamming (Sirene)							
Sirene		Ulisse		Tritone		Nettuno 2-3	
George Petekidis		Patrick D. Anderson		Daniel J. Read		Luigi Grassia	
Chairperson		Patrick D. Anderson		Nikolai Denkov		Valery G. Kulichikhin	
10:00	CS1 - T. <b>Liberto</b> - Rheology of CaCO3 paste: the solution's physico-chemical role	NF1 - J. <b>Ma</b> - The behaviours of the elastic capsules in viscoelastic fluid Poiseuille flow with finite inertia	SM1 - R. <b>Ewoldt</b> - Intrinsically-nonlinear rheometry	MN1 - H. <b>Bodiguel</b> - Flow of foam in model porous media	SG1 - K. <b>Trachenko</b> - New understanding of collective modes and thermodynamics of the liquid state	PG1 - F. <b>Marchesini</b> - Crude oils: wax crystallization and rheological behavior	BE1 - J. <b>Hong</b> - Interrelationship between bulk and interfacial rheology of emulsions stabilized with clay particles
10:20	CS2 - M. <b>Cidade</b> - Rheological properties of injection grouts incorporating nano-silica	NF2 - A. <b>Sucena</b> - Numerical study of three-dimensional multiphase flows of viscoelastic fluids with the Level-Set method		MN2 - J. <b>Kim</b> - Flow instability and mixing in dilute polymer solution in a gear-shaped microchannel	SG2 - R. <b>Bonnecaze</b> - Shear-induced structural rearrangement in jammed suspensions of soft particle glasses	PG2 - B. <b>Mena</b> - Lubricated transport of very viscous oil in pipes	BE2 - A. <b>Kannan</b> - Dilatation mechanics and bubble coalescence of monoclonal antibody interfaces
10:40	CS3 - Y. <b>Grasselli</b> - Discontinuous shear thickening and stick-slip oscillations tuned by a magnetic field	NF3 - D. <b>Izbassarov</b> - Dynamics of an elastoviscoplastic drop in a Newtonian medium under shear flow		SM2 - T. <b>Schweizer</b> - Non-linear shear rheology of dendronized polymethacrylate melts studied with the cone-partitioned plate technique	MN3 - S. <b>Yang</b> - Realization of multiple-line particle focusing under viscoelastic flow	SG3 - M. <b>Gruber</b> - The delocalization transition in a colloidal glass	PG3 - C. <b>Carotenuto</b> - Effect of solvents on the asphaltene aggregation in a heavy crude oil
11:00 Coffee Break							
Richard Sear		Peter Olmsted		Thomas Schweizer		Alexander Y. Malkin	
Chairperson		Peter Olmsted		Francesco Del Giudice		Jan Vermant	
11:30	CS4 - A. <b>Papadopoulos</b> - Particles in complex formulations: rheology, dynamics and microstructure	NF4 - G. <b>D'Avino</b> - Numerical simulations on the dynamics of a spheroid in a viscoelastic liquid in a slit microchannel	SM3 - Q. <b>Huang</b> - Novel flexible polystyrenes show increased tensile strength	MN4 - V. <b>Preziosi</b> - A novel microfluidic technique to measure interfacial tension of emulsions	SG4 - A. <b>Furukawa</b> - Shear thinning in glassy liquids	PG4 - P. <b>de Souza Mendes</b> - Water-in-crude oil emulsions: stability, separation, bulk rheology, and interfacial rheology	BE4 - A. <b>Huerre</b> - Transient string formation in colloid monolayers at fluid interfaces under ultrafast deformation
11:50	CS5 - O. <b>Ozenda</b> - A new elastoviscoplastic model for highly concentrated suspensions of solid particles	NF5 - P. <b>Capobianchi</b> - Thermocapillary motion of a Newtonian droplet in a viscoelastic fluid under Stokes flow conditions	SM4 - Y. <b>Matsumiya</b> - Uniaxial extensional viscosity of Poly(n-alkylstyrene)s	MN5 - M. <b>Villone</b> - Determination of the mechanical properties of soft particles through a non-invasive microfluidic technique	SG5 - L. <b>Ramos</b> - Microscopic dynamics during the yielding of a dense glass of soft spheres		BE5 - N. <b>Baldino</b> - Surface behaviour of vegetable protein by pendant drop method
12:10	CS6 - R. <b>Seto</b> - Extensional versus shear rheologies for dense suspensions	NF6 - S. <b>Kumar</b> - Transfer of rate-thinning and rate-thickening liquids between separating plates and cavities	SM5 - T. <b>Shahid</b> - Assessing the monomeric friction reduction mechanism with monodispersed linear polystyrene blends	MN6 - E. <b>André</b> - Drop deformation in microfluidics for viscosity measurements	SG6 - R. <b>Zia</b> - The colloidal glass transition: Relaxing into arrest		PG5 - G. <b>Fuller</b> - Spontaneous emulsification in the presence of asphaltenes
12:30	CS7 - R. <b>Chacko</b> - Vorticity banding in dense suspensions	NF7 - A. <b>Hojeij</b> - Hydrodynamic mixing of yield stress fluids by gas injection	SM6 - R. <b>Hodgkinson</b> - The effect of extensional flow on shear viscosity	MN7 - A. <b>Lindner</b> - Microfluidic in situ mechanical testing of flexible particles	SG7 - G. <b>Rossi</b> - Dry granular flows rheology: experimental investigation and particles simulations	PG6 - S. <b>Khalilnezhad</b> - Experimental investigation of the effect of hydrophilic nanoparticles on the rheological behavior of hydrolyzed polyacrylamide polymers: application in enhanced oil recovery	BE7 - M. <b>Pepicelli</b> - Dilatational viscoelasticity of a polymer multilayer system at the air-water interface
12:50 Lunch Break							
Matthias Fuchs		Satish Kumar		Qian Huang		Aronne Armanini	
Chairperson		Satish Kumar		Manlio Tassieri		Rossana Pasquino	
14:20	CS8 - D. <b>Parisi</b> - Effects of shape on the dynamics of concentrated solutions of polymer-grafted nanoparticles	NF8 - M. <b>De Corato</b> - Acoustically enhanced bubble removal from yield stress fluids	SM7 - M. <b>Wagner</b> - A novel criterion for brittle fracture of entangled polymer liquids	MN8 - R. <b>Cerbino</b> - Differential dynamic microscopy microrheology: frequency-dependent moduli without tracking!	SG8 - D. <b>Harris</b> - A Cosserat plasticity model for the deformation and flow of granular materials and soils	PG7 - R. <b>Maitri</b> - Lateral particle migration in random porous media	BE8 - A. <b>Bykov</b> - Dilational surface rheology of pulmonary surfactants in broad range of surface pressures
14:40	CS9 - J. <b>Ruiz-López</b> - Biaxial extensional rheology of shear thickening fluids	NF9 - I. <b>Karimfazli</b> - Analysis of flow development in yield stress fluids	SM8 - A. <b>Borger</b> - Molecular conformation of star polymers in nonlinear extensional flow followed by relaxation in small angle neutron scattering		SG9 - L. <b>Sardo</b> - Low impact cratering on granular beds under low gravity	PG8 - F. <b>De Vita</b> - Dynamics of elastoviscoplastic flows in porous media	BE9 - A. <b>Audebert</b> - Topological rearrangements and surface rheology: a multi-scale approach on dairy proteins foams
15:00	CS10 - J. <b>Park</b> - Influence of latex SBR binder on the rheological and adhesive properties of capillary suspension battery slurries	NF10 - S. <b>Hatzikiakos</b> - Dynamic slip of polydisperse linear polymers using partitioned plate	SM9 - M. <b>Abbasi</b> - Rheological properties of model comb polystyrenes with entangled and unentangled side chains	MN9 - L. <b>Mason</b> - Investigating the viscoelastic properties of complex materials and cells to study cancer migration	SG10 - T. <b>Barker</b> - Well-posed continuum equations for granular flow	PG9 - S. <b>Sinha</b> - Crossover from linear to non-linear rheological behavior of two-phase flow of Newtonian fluids in porous media	BE10 - S. <b>Tcholokova</b> - Shear and dilatational viscoelasticity of saponin adsorption layers
15:20	CS11 - M. <b>Liard</b> - Jet instability of a shear-thickening suspension of solid particles	NF11 - F. <b>Mollica</b> - Exit effects in the wall slip of polymeric concentrated suspensions	SM10 - J. <b>Madsen</b> - Exploring the dependence of polymer architecture on rheology	MN10 - E. <b>Bradt</b> - Microrheology of biofluids	SG11 - R. <b>Delannay</b> - High speed confined granular flows down inclines: numerical simulations	PG10 - L. <b>Paduano</b> - Apparent wall slip of viscoelastic fluids with roughened geometries: a porous medium approach	BE11 - J. <b>Bergfreund</b> - Effect of oil hydrophobicity on adsorption and rheology of $\beta$ -lactoglobulin at oil-water interfaces
15:40	CS12 - B. <b>Schroyen</b> - High frequency rheology of colloidal dispersions: from hard to soft, from smooth to frictional	NF12 - P. <b>Coussot</b> - Yielding, wall-slip and instability, of yield stress fluids in "true" elongation (experiments)	SM11 - F. <b>Stadler</b> - Understanding and classifying thermorheological complexity for linear and branched polyolefins	MN11 - R. <b>Hidema</b> - Polymer-polymer interaction in a flow measured by a scanning probe microscopy	SG12 - T. <b>Trewhela</b> - Size segregating intruders in oscillating shear cells	PG11 - M. <b>Geri</b> - Controlled formation of hydrate suspensions via frozen emulsions	BE12 - J. <b>Vermant</b> - Towards rheology of lipid bilayers
16:00 Coffee Break							
Jan Engmann		Phillippe Coussot		Florian Stadler		Véronique Trappe	
Chairperson		Phillippe Coussot		Sehyun Shin		Lynn Walker	
16:30	CS13 - R. <b>Radhakrishnan</b> - Understanding shear thinning of dense suspensions through simulations	NF13 - P. <b>Bourrianne</b> - Diving into a shear-thickening bath	SM12 - S. <b>Pan</b> - Entangled Ddouble-stranded and single-stranded DNA soft gels under LAOS: nonlinearity and shear-banding instability	MN12 - G. <b>Nava</b> - Viscosity of a DNA transient network: Netwonian to shear thinning transition	SG13 - A. <b>Valance</b> - Compressibility regularizes the $\mu(I)$ -rheology for dense granular flows	PS1 - E. <b>Del Gado</b> - Network topology in soft gels: hardening and softening materials	BE13 - M. <b>Gottlieb</b> - Viscous, elastic, and viscoelastic interfaces - the effect of polymer chain flexibility
16:50	CS14 - T. <b>Gibaud</b> - Dynamics of shear-thickening dispersions	NF14 - C. <b>Williams</b> - Molecular dynamics simulations of shear-thickening behaviour using a ...	SM13 - J. <b>Den Doelder</b> - Modeling the kinetics and rheology of thermo-mechanically degraded LDPE	MN13 - F. <b>Tesser</b> - Chiral micro-particles interacting with viscous shear flows	SG14 - N. <b>Gaudel</b> - Granular avalanches down vibrated inclines: an experimental and numerical approach		BE14 - M. <b>Rubio</b> - The bicone interfacial shear rheometer revisited: flow field based data processing for the oscillating conical bob
17:10	CS15 - R. <b>O'Neill</b> - Liquid migration during extrusion of concentrated shear thickening suspensions	NF15 - I. <b>Frigaard</b> - In-line settling of particles in a Bingham Fluid	SM14 - D. <b>Tsalikis</b> - Melt rheology of ring poly(ethylene oxide) melts and comparison with experimental data	MN14 - S. <b>Haward</b> - Viscoelastic Poiseuille flow through wavy-wall microchannels	SG15 - M. <b>Korhonen</b> - Interparticle friction controls submerged granular flows in simulations	PS2 - A. <b>Pommella</b> - Microstructural failure under creep of an agarose gel investigated by space-resolved dynamic light scattering	BE15 - F. <b>Martinez-Pedrero</b> - Linear shear rheology of aging $\beta$ -casein films adsorbing at the air/water interface
17:30	CS16 - J. <b>Royer</b> - Contact forces and particle interactions in shear thickening suspensions	NF16 - M. <b>Zare</b> - Hydrodynamic instabilities in displacing a viscoplastic fluid with a Newtonian fluid	SM15 - C. <b>Das</b> - Tube theory modelling for the linear rheology of polydisperse linear polymers	MN15 - L. <b>Ducloue</b> - Secondary flows of viscoelastic fluids in curved microchannels	SG16 - T. <b>Kranz</b> - Rheology of dense granular fluids from first principles	PS3 - M. <b>Le Merrer</b> - Wall slip regimes in suspensions of polymer microgels	BE16 - P. <b>Moldenaers</b> - Understanding the foamability and mechanical properties of foamed polypropylene blends by shear and extensional rheology
17:50	CS17 - S. <b>Jesinghausen</b> - Wall slip and concentration measurements by means of modified PIV methods	NF17 - M. <b>Daneshi</b> - Experiments on obstructed viscoplastic flow in a thin slot	SM16 - H. <b>Taghypour</b> - Nonlinear shear behavior in binary blends of linear polymers with well-separated molecular weights	MN16 - J. <b>Morillas</b> - Steady shear flow behavior of magnetorheological fluids in microchannels	SG17 - J. <b>Sun</b> - Rheology of dense granular materials under steady or dynamic shear	PS4 - J. <b>Van der Gucht</b> - Strand plasticity governs fatigue in colloidal gels	BE17 - E. <b>Di Maio</b> - The role of elasticity in pore wall breaking
18:10	Poster Session with reception sponsored by Anton Paar (Foyer Sirene)						
20:00	End						

Thursday, April 19th							
Plenary talk (PL2) - M. Cloitre - Microscopic design of soft colloidal materials (Sirene)							
08:30	Sirene	Ulisse	Tritone	Nettuno 1	Nettuno 2-3	Nettuno 4	Nettuno 5-6
Chairperson	Véronique Trappe	Georgios C. Georgiou	Anke Lindner	Patrick Anderson	Philippe Coussot	Gareth H. McKinley	Paula Moldenaers
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. Hulsén - Stable simulation of viscoelastic fluid flow using integral models	SG18 - X. Jia - Acousto-Rheology: probing and triggering of unjamming in dense granular media	PS5 - K. Rementzi - Linking extensional deformation of hagfish mucin hydrogels to their environment and dynamic structure	BE18 - C. Mitrias - 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	SG19 - J. Goddard - Dissipation potentials and gradient regularization of granular Hadamard instability	PS6 - 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 simulations	SG20 - A. Arseni - 3D simulation of dense granular flow in a rotating drum	PS7 - S. Aime - Power law viscoelasticity of a fractal colloidal gel	BE20 - P. Martinoty - 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	PS8 - R. Cabriolu - Precursors to failure in a gel forming system	BE21 - J. Sepulveda - Rheological properties of bioinspired foams produced by microchannels at high throughput
10:50	Coffee Break sponsored by Malvern						
Chairperson	Hans Joachim Schmid	Helen Wilson	Chinmay Das	Martien A. Hulsen	Xiaoping Jia	Dganit Danino	Jan Vermant
11:20	CS22 - F. Fneich - Structure and rheology of entangled 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 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	PS9 - 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	BE23 - M. Goavec - Rheology and structure of drying emulsions
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	BE24 - L. Paduano - Flow-induced nanostructuring of gelled emulsions: a small-angle neutron scattering study
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 behaviour of viscoelastic fluids in boundary layers	SG24 - K. Kang - Non-uniform flow in soft glasses of DNA-virus suspensions	PS12 - S. Recktenwald - Elongational flow behavior of low concentrated surfactant solutions	BE24 - L. Paduano - Flow-induced nanostructuring of gelled 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. Aken - 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						
Chairperson	Norm Wagner	Ian A. Frigaard	Evelyne van Ruymbeke	Patricia López Sánchez	Dino Ferri	Thibaut Divoux	Ernesto Di Maio
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 microrheology	IP2 - C. Xu - How rheological properties affect fine line screen printing of pastes: a combined rheological and high-speed video imaging study	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	IP3 - M. Kralacik - Assessment of reinforcement in polymer nanocomposites using cumulative rheological parameters	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. Kralacik - 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						
Chairperson	Emanuela Zaccarelli	Suzanne M. Fielding	Hiroshi Watanabe	Mats Stading	Joao Maia	Pietro Cicutta	Ernesto Di Maio
16:20	CS31 - V. Labalette - 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 unusual 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	LA2 - D. Fedosov - Formation and dissociation of VWF-platelet aggregates in blood flow	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	LA3 - C. Dessi - Activity modifies shear-thinning rheology in dilute suspensions of kinesin-driven microtubules	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	LA4 - C. de Loubens - Flow induced by active intestinal mucosa at macro- and micro-scales	BE33 - W. Wong - Constitutive modelling of dispersive polymer blends
17:40	CS35 - M. Fuchs - Channel flow of a colloidal suspension	NF35 - T. Burghelaa - 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 silt 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, via Santa Maria della Pietà 44						
20:00	Conference Dinner Ristorante 'o Parrucchiano, Corso Italia 71 (sponsored by TA Instruments)						

Friday, April 20th							
Awards (Poster Session) (Sirene)							
Plenary talk (PL3) - F. MacKintosh - Mechanical phase transitions and the rheology of stiff polymers (Sirene)							
Sirene		Ulisse		Tritone		Nettuno 2-3	
Nettuno 4		Nettuno 5-6					
Chairperson	Joao Maia	Peter Olmsted	Toshiyuki Shikata	Pietro Matricardi	Gerrit Peters	Roberto Cerbino	Christian Clasen
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. Stellamanns - 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. Gonchuir - 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 - Rheo-NMR, a combination of nuclear magnetic resonance (NMR) and rheometry to provide complementary information on the rheological properties of matter
Coffee Break							
Chairperson	Patrick Ilg	Fernando T. Pinho	Yuichi Masubuchi	Pietro Matricardi	Nino Grizzuti	Roberto Cerbino	Christian Clasen
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. Meeus - 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. Weihs - 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. Giacomini - Thermodynamic instability of polymeric liquids in large-amplitude oscillatory shear flow	SM36 - V. Kulichikhin - Rheological and hydrodynamic properties of solutions of ternary 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. Dakhil - Measuring the adhesion limit of cells with a narrow-gap rotational rheometer
12:30	CS41 - C. Negrao - 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 - A. Capaccio - Analysis of the Raman O-H stretching band of water as a sensitive tool to monitor surfactants phase transitions	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
Lunch Break							
Chairperson	Roberto Cerbino	Amy Shen	Sarah Hormozi	Bruno de Cindio	Paulo R. de Souza Mendes	Gerhard Gompper	Qian Huang
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. Chevremont - Rheology of suspension and particles interactions	FP17 - B. Eral - Biodegradable microfluidic microparticles for simultaneous detection of counterfeit and deteriorated edible products	IP16 - G. Mårtensson - Filament breakup and satellite formation in the jetting of highly viscous dense suspensions for electronics applications	LA12 - T. Voigtmann - Theoretical rheology of activebrownian particles	EM8 - G. McKinley - Optimal Fourier Transform Rheometry for Probing Oscillatory Rheology of Complex Fluids & Gels
14:40	CS43 - M. Leocmach - 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. Roulet - 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. Truzzoillo - 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
Coffee Break							
Chairperson	Norbert Willenbacher	Fernando T. Pinho	Ryohei Seto	Bruno de Cindio	Ricardo E. Andrade	Antonio De Simone	Salvatore Coppola
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 micro-particles	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. Rohmann - 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. Shahriyar - 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. Golby - 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		EM16 - J. Laeuger - On the use of a new Shear-Induced Polarized Light Imaging (SIPLI) technique
Closing Ceremony and Awards (Oral Presentations)							
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**