

AERC 2015 - Friday, April 17

8:15 - Maurice Couette Award Lecture (Auditorium 800)  
 Lydéric Bocquet - Flow and Transport at the Nanoscales : Fast and Curious

9:15 - Poster Awards sponsored by EPL; Rheologica Acta Best Paper Award (Auditorium 800)

	Auditorium 450	Room 200	Room GH	Room KL	Room I	Room J
09:50	<b>CS35 - A. Amon</b> Visualization of the strain fluctuations before the failure of a granular material	<b>MB35 - F. Léonardi</b> Rheology of all-acrylic gradient copolymers obtained from NMP batch polymerisation	<b>AT27 - M. Ballauff</b> Dynamics of thermosensitive core-shell dumbbells as analyzed by rheo-SANS	<b>CR17 - S. Riber</b> Direct simulation of dam-break of granular materials from dry to dilute suspensions	<b>SG19 - A. Ponton</b> From elaboration to rheological study of soft magnetic nanocomposites biopolymer-based materials	<b>IE17 - C. Derec</b> Vibration in liquid foams: focus on the soap films and Plateau borders
10:10	<b>CS36 - A. Seguin</b> Shear modulus and dilatancy softening in granular packings above jamming	<b>MB36 - E. de Boer</b> Entanglement formation in block copolymers of protonated and deuterated polyethylene	<b>AT28 - A. Poulesquen</b> Sol/gel transition during geopolymerisation	<b>CR18 - F. Pinho</b> Influence of polymer additives on the classical energy cascade between resolved and unresolved scales	<b>SG20 - P. Martinoty</b> Mechanical properties of uniaxial side-chain liquid crystalline elastomers swollen with a nematic solvent	<b>IE18 - I. Cantat</b> Extension of a suspended soap film
10:30	<b>CS37 - J. Dijkstra</b> Shear jamming in granular experiments without basal friction	<b>MB37 - P. Carreau</b> Rheological properties of polylactide (PLA)/cellulose nanocrystals (CNCs)	<b>AT29 - F. Mondiot</b> Diffusing Wave Spectroscopy: applications beyond microrheology	<b>CR19 - D. Fedosov</b> Microvascular blood flow resistance: the role of red blood cell migration and dispersion	<b>SG21 - L. Slemenik Perše</b> Rheological study of alkoxysilyl-functionalised poly(dimethylsiloxane)-based sols for anticorrosion coatings	<b>IE19 - H. Rehage</b> Deformation, orientation and bursting of microcapsules in simple shear flow: Wrinkling processes, tumbling and swinging motions
10:50 - Coffee Break						
11:20	<b>CS38 - T. Voigtmann</b> History dependence in glassy colloidal rheology	<b>MB38 - F. Chinesta</b> Modeling entangled suspensions involving flexible rods	<b>AT30 - A. Davies</b> Derivative spectroscopy and the continuous relaxation spectrum	<b>CR20 - R. Winkler</b> Non-equilibrium properties of sheets under shear flow	<b>SG22 - C. Pellet</b> Solution properties of polyelectrolyte brush-like polymers	<b>FB20 - S. Baldursdottir</b> Characterization of animal soft tissue for development of a new in vitro model for drug release in intramuscular injections
11:40	<b>CS39 - F. Aangenendt</b> Mechanics of soft particles from calorimetry measurements	<b>MB39 - R. Pasquino</b> Rheological properties of molten polymers suspensions	<b>AT31 - S. Lee</b> Determination of relaxation time spectrum using piecewise cubic polynomials with complex decomposition	<b>CR21 - K. Housiadas</b> Analytical solutions of two-dimensional, non-linear, viscoelastic flows for fluids with pressure-dependent viscosity	<b>SG23 - P. Lopez-Sanchez</b> Fluid phase effects on the rheology of cellulosic hydrogel composites	<b>FB21 - C. Oelschlaeger</b> Structural, macro- and microrheological properties of hyaluronic acid cryogels
12:00	<b>CS40 - R. Dannert</b> Brownian stress relaxation in sheared nanocomposites: non-monotonic concentration dependency of relaxation frequencies	<b>MB40 - X. Hao</b> Rheological and thermo-mechanical properties of Polylactide/Poly(methylmethacrylate) blends	<b>AT32 - R. Pileggi</b> New mixer rheometer for granular suspensions	<b>CR22 - O. Aouane</b> Boundary integral formulation for Stokes flow: Application to the flow of red blood cells	<b>SG24 - W. Janssens</b> Rheology of gliadin in aqueous urea solutions	<b>FB22 - D. Donnarumma</b> Macro- and micro-rheology of bronchial mucus
12:20	<b>CS41 - A. Shukla</b> Applying Boltzmann superposition principle to ageing soft glassy materials	<b>MB41 - B. Jofore</b> A comparison between multilayer films and their corresponding blends	<b>AT33 - C. Barentin</b> What can a capillary rise of yield-stress fluids tell us about the flow curves?	<b>CR23 - E. Mitsoulis</b> Capillary flow behavior of PP-Polymer Nanocomposites	<b>SG25 - X. Callies</b> Viscoelasticity of supramolecular center-functionalized polymers	<b>FB23 - J. Aho</b> Drug release from 3D printed PLA-HPMC implants: correlation between the viscosity of HPMC solution and the release rate of nitrofurantoin
12:40 - Lunch Break						

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14:10	<b>CS42 - F. Bossler</b> Influence of droplet breakup and particle agglomeration on the rheology of capillary suspensions	<b>CR24 - M. Zakhari</b> Micromechanics of spongy-particle systems: modeling approach	<b>CS55 - M. Abbas</b> Pipe flow of concentrated emulsions: shear-thinning or shear-induced migration?	<b>CM19 - S. Goossens</b> Slippage properties of polymer solutions in microchannels	<b>IE20 - G. Fuller</b> Interfacial rheological properties of vibrio cholerae biofilms	<b>SI16 - M. Renoult</b> The break-up of viscoelastic jets and filaments: the beads-on-a-string structure
14:30	<b>CS43 - P. Kuzhir</b> Magnetorheological effects governed by orientational fluctuations	<b>CR25 - B. Fitzgerald</b> Computational and experimental study of the linear and nonlinear response of unentangled star polymer melts	<b>CS56 - S. Hormozi</b> Shear-induced particle migration in yield stress fluids	<b>CM20 - L. D'Eramo</b> Near-wall velocity measurements based on Total Internal Reflection Fluorescence with continuous tracking	<b>IE21 - J. Vermant</b> Lung surfactants and interfacial flows	<b>SI17 - J. Rothstein</b> Effect of shear thickening on slot die coating
14:50	<b>CS44 - A. Zubarev</b> Theory of the magnetic field-induced deformation in magnetic gels	<b>CR26 - J. Tsamopoulos</b> Sedimentation of a single particle in a cylinder filled with a yield-stress shear thinning fluid	<b>CS57 - K. Housiadas</b> A model for the shear and elongational viscosities of non-Brownian hard-sphere suspensions with Newtonian matrix fluids	<b>CM21 - V. Clavería</b> Clustering of red blood cells flowing through microcapillaries	<b>IE22 - J. Forth</b> Shattered: the brittle interfacial rheology of fatty amine films	<b>SI18 - S. Arora</b> Formation and destabilization of viscoelastic thin sheets
15:10	<b>CS45 - L. Rodriguez-Arco</b> Inverse magnetorheological fluids	<b>CR27 - J. Myung</b> Attractive end-functionalized semiflexible polymer suspensions at equilibrium and under shear flow	<b>CS58 - S. Dagois-Bohy</b> Pressure-imposed rheology of suspensions of non-colloidal particles in yield-stress fluids	<b>CM22 - G. Vleminckx</b> Thin film rheology for the absolute determination of wall slip and gap error	<b>IE23 - B. Leopércio</b> Hydrate formation kinetics using interfacial rheology	<b>SI19 - V. Lutz-Bueno</b> Flow of complex fluids into confined porous media: how does the microstructure change?
15:30	<b>CS46 - L. Jampolski</b> Stabilization of coke-water-slurries for the bioliq-process	<b>CR28 - E. Syerko</b> Numerical experiments for modelling pseudoplastic flows through double-scale porosity fibrous materials	<b>CS59 - R. Mezher</b> Direct simulation of a suspension of rigid, flexible fibers and aggregates	<b>CM23 - T. Narita</b> Microrheological observation of transient percolation transitions in living polymeric networks - Identification of two gel points	<b>IE24 - C. Tregouet</b> Multilayer assembly of polymers on liquid interfaces for encapsulation	<b>SI20 - S. Hatzikiiriakos</b> Slip of HDPEs in capillary flow: broad molecular weight distribution effects
15:50 - Closing						

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