

## Rheo Iceland 2009 - preliminary programme (22.07.2009)

Please note: Changes might occur! Only the presenter of paper is named in the programme!

Wednesday, 19/8		
Time	Hall A	Hall B
8:30-9:00	Registration	
9:00-10:30	<b>Opening</b> the conference host: Olafur H. Wallevik Minister of Industry invited speaker Rilem : Phil F. G. Banfill (25 min) invited speaker NRS : Peter Fischer (25min)	
10:20-10:50	Coffee break	
10:50-12:50	<b>Session Rilem 1</b> <b>Cement suspension</b>	<b>Session NRS 1</b> <b>Measurement technique and rheology (1)</b>
	Dirk Lowke: Robustness of Cement Suspensions – Particle Separation, Superplasticizer Adsorption and Interparticle Forces	Jörg Läger: Combined Rheological Methods: From Rheo-Optics to Magneto-Rheology and Beyond
1		
	Raissa Ferron: In-situ characterization of fresh-state microstructure in cementitious materials: Impact of aggregation kinetics	Anne Ladegaard Skov: Planar Elongation Measurements on Soft Elastomers
2		
	Stefan Erfurt: Particle Size Growth of Early Hydrating Cement – Influence of Water Content and Admixtures	Ulf Björkman: A Band Rheometer for Fibre Flow Studies
3		
	Bogdan Cazacliu: Flow properties of cement pastes, influence of mixing method, water reducer and water to cement ratio	Anca Gabriela Bejenariu: Optimization of the Synthesis Parameters for Obtaining PDMS Samples Suitable for Filament Stretch Rheometer Measurements
4		
12:20-13:20	Lunch break	
13:20-15:20	<b>Session Rilem 2</b> <b>Self Compacting Concrete</b>	<b>Session NRS 2</b> <b>Suspension rheology (1)</b>
	Leandro Sanchez: Rheological characterization of self compacting concretes – a critical analysis	Helge Hodne: Rheological Measurements of Cementitious Suspensions Using a Grooved Measuring Device
1		
	Florian V. Müller: Eco-SCC	Rudolf Hela: Study of Meta Kaolin Influence on Rheological Properties of Cement Mortars
2		
	Hedda Vikan: Influence of rheology on the pumpability of concrete	Sarah Maria Frankær: Characterization of Polymer Networks by Swelling
3		
	Olga R. Suárez: On the real time assessment of pumping mixes under actual or quasi actual conditions	Arja-Helena Vesterinen: Rheological Properties of Water-Soluble Methacrylate Block-Copolymers
4		
	Dimitri Feys: The mechanisms behind shear thickening behaviour of fresh self-compacting concrete	Juha-Pekka Huhtanen: Methods to Analyze Problems in Coating Flows by Non-Newtonian Fluid Dynamics
5		
	Nicolas Roussel: Influence of Air Bubbles Size and Volume Fraction on Rheological Properties of Self-Compacting Concrete	Søren Hvidt: Rheology and Structures of EO-PO-EO Block Copolymers in Aqueous Solutions
6		

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15:20-15:50	Coffee break	
15:50-17:10	<b>Session Rilem 3 Models and Simulation (1)</b>	<b>Session NRS 3 Measurement technique and rheology (2)</b>
1	Knut Krenzer: Calibration of Parameters for particle Simulation of Building Materials, Using Stochastic Optimization Procedures	Carlos Salas Bringas: Development of a New Capillary Rheometer that uses Direct Pressure Measurements in the Capillary
2	Annika Gram: Risk of Blocking for Self-Compacting Concrete	Rune W. Tømme: On End-Effect Correction for Couette Type Viscometers for Newtonian and Non-Newtonian Fluids
3	Ksenija Vasilic: Computational Modelling of SCC Flow: Reinforcement Network Modelled as Porous Medium	Peter Hodder: Measuring the Rheological Properties of Ultrathin Films at the Water-Air and Water-Oil Interface by Using a Novel Double Wall Ring (DWR) Geometry
4	Samir Mokéddem: Perturbation Patterns and Velocity Modelling of a Fresh Concrete Around a Spherical Probe Viscoprobe™ Immersed in Concrete Mixer	Lennart Bergström: Relating the Molecular Structure of Comb-Type Superplasticizers to the Compression Rheology of MgO Suspensions
18:30-20:30	Reception City Hall	

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Thursday, 20/8		
Time	Hall A	Hall B
8:30-9:00	Registration	
9:00-10:20	<b>Session Rilem 4 Models and Simulation (2)</b>	<b>Session NRS 4 Suspension rheology (2)</b>
	1 Jón E. Wallevik: Coplate 5 - Simulation of flow in viscometer	Daniel Johansson: Viscoelastic Properties of Saliva from Different Glands
	2 Sonja Oosterheld: Use of computational rheology to analyze the effect of stabilizer in cement paste	Tommy Munk: Rheological Behaviour of Poly(N-isopropyl acrylamide) in Water-Acetone Mixtures
	3 Viktor Mechtcherine: Self-Compacting Concrete Simulation Using Distinct Element Method	Peter Szabo: Viscosity of Suspensions. Finite Size Effects and Polydispersity
4		Tapio Saarinen: Technical Aspects on Rheological Characterization of Microfibrillar Cellulose Water Suspensions
10:20-10:50	Coffee break	
10:50-12:50	<b>Session NRS 5 Food and polymer rheology</b>	<b>Session NRS 6 Application of rheology</b>
	1 Elling-Olav Rukke: Comparison of Texture Analysis of Fatty Liver from Duck and Goose using an Oscillatory Plate-Plate Rheometer and a Texture Profile Analyser	J.W. Phair: Determination and Assessment of the Rheological Properties of Pastes for Screen Printing Ceramics
	2 Reidar Barfod Schüller: The Effect of Buttermilk and Micro-Particulated Whey Proteins on the Rheological Properties of a Dairy Custard Model System	Manuel Navarro Gonzalez: Influence of Rubber Pre-Processing on the Rheological Behavior of SBS/Crumb Rubber-Modified Bitumen
	3 Martin Gram Christensen: Process Rheology Predictions in a Confectionary Extrusion Process	Fjola Jonsdóttir: Polyether-based magneto-rheological fluid in a prosthetic knee
	4 Katja Nevalainen: Rheological Properties of Melt-Compounded Nanocomposites of Atomic-Layer-Deposition Coated Polyamide and Polystyrene Powders	Herimonja A. Rabenjafimanantsoa: PIV Visualization of Acoustic Streaming in Non-Newtonian Fluid
	5 Giovanna Iannuzzi: Characterization of Flow-Induced Surface Defects in Injection Moulded Components – Case Studies	Abdelhak Kaci: Study of Flow and Blockage of Highly Concentrated Granular Suspensions Under Squeeze Test Conditions
6 Johanna Aho: Extensional Viscosity in Uniaxial Extension and Contraction Flow – Comparison of Experimental Methods and Application of the Molecular Stress Function Model	Reidar Barfod Schüller: A New Statistical Method for Determination of Wax Appearance Temperature	
12:50-13:50	Lunch break + <b>Poster presentation</b>	
13:50-16:20	Annual Business Meeting NRS (60 min)	
	<b>Closing NRS</b> invited speaker NRS: Jón E. Wallvik (25 min) invited speaker NRS: Nicos S. Martys (25 min) invited speaker Rilem: Nicolas Roussel (25 min) Closing NRS (15 min)	
17:30-23:00	<b>Conference Dinner at Blue Lagoon</b> (including bus transfer)	

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Friday, 21/8		
Time	Hall A	Hall B
8:30-9:00	Registration	
9:00-10:20	<b>Session Rilem 5 Chemical Admixtures</b>	<b>Session Rilem 6 SCC - Aggregates and Filler</b>
	1 Su Taylor: Effect of metakaolin, superplasticizer and viscosity modifying admixture on the rheological behaviour and the performance of grouts	Rainer Haldenwang: The reproducibility of a SCC mix developed using regional Western Cape materials
	2 Stefan Kubens: The rheological properties of polymer containing cementitious mixtures (PCC)	Katrin Ostheeren: SCC-Mortars Made of Fine Aggregates with Different Particle Shapes
	3 Ulisses T. Bezerra: Rheological properties of Portland cement slurries with biopolymer: effects from variation of water/cement ratio, age of cement, and biopolymer concentration	M. Skazlic: Influence of fly ash and limestone on the properties of self compacting concrete
4 Jacek Kwasny: The Influence of Different Viscosity-Modifying Admixtures on the Fresh Properties of Superplasticized Cement-based grouts	Michel Mouret: Dry-State Properties of Limestone Fillers in Relation to their Flow Properties in Suspension for an Understanding of Self-Compacting Concrete	
10:20-10:50	Coffee break	
10:50-12:50	<b>Session Rilem 7 Fibre-Reinforced Concrete and SCC</b>	<b>Session Rilem 8 Measurement Techniques</b>
	1 Nilufer Ozyurt: Adapting fresh state properties of fiber-reinforced cementitious material for high performance thin-section elements	Chiara F. Ferraris: Reference Materials for Rheometers and the Flow Tables
	2 Thordur Kristjansson: Rheology of Fibre-Reinforced High Performance Concrete	Peter Billberg: Stress-strain measurement of fresh SCC at rest using a concrete viscometer
	3 Guido Krage: Rheological interrelations between mix-design and fibers in self-compacting cementitious materials	Roel Hendrickx: Yield Stress Measurement of Mortar Using Geotechnical Techniques
	4 Laetitia Martinie: Rheology of fibre reinforced cementitious materials : classification and prediction	Björn Hjartarson: Rheometer for SCC
	5 Gert Heirman: Influence of plug flow when testing shear thickening powder type self-compacting concrete in a wide-gap concentric cylinder rheometer	H. Yamasaki: Fundamental Study on Evaluation Method of Rheological Properties of Cement Mortar Using the Inclined Blades Rotational Rheometer
6 Wanjana Wannaphahoun: Effects of Different Viscosity Modifying Admixtures on Rheology of Cement Paste Matrix of Self-Consolidating Concrete	Michael F. Petrou: Rheology of Self Compacting Concrete and its connection to empirical test measurements	
12:50-13:50	Lunch break	
13:50-15:10	<b>Closing Rilem</b> invited speaker Rilem: Francois de Larrard (25 min) invited speaker Rilem: Michael Khrapko (25 min) Closing by invited speaker: Surendra Shah (25 min)	
16:00-18:00	<b>Lab Exercise and Wallevik Whiskey at ICI Rheocenter</b>	