NIC 2020, Tellialive Flogram								
	200524							
Tuesday August 25								
14:00– 15:00	Reception and logging in							
Lecture Hall		A		В				
Sympo- sium		Non-Newtonian fluid mechanics and simulations		Polymer solutions, melts and composites				
15:00–15:20		Simon Ingelsten A backwards-tracking Lagrangian-Eulerian method for viscoelastic free surface flow		Olli-Ville Laukkanen Photorheology of UV- crosslinkable polymer solutions				
15:20–154:40	Chair: xx	Sajjad Pashazadeh Simulation of FENE-P fluid flows at high Weissenberg number using conformation transformation	Chair: xx	Ram Rohit Vannarth Frequency Sweep Response of a Simarouba Based Green Magneto- Rheological Fluid				
15:40–16:00		Christos K. Georgantopoulos Rheological investigation of extrusion flow for styrene-butadiene rubber: highly sensitive detection slit die in comparison with capillary die		Marko Bek The effect of filler materials and particle loading onto rheology of highly filled polymers				
16:00–16:20	Chair: xx	Gustaf Mårtensson Numerical simulation of droplet impact of solder paste on a flat surface	Chair: xx	Georgia Manika Viscoelastic and dielectric response in a melt-mixed low percolation high density polyethylene/graphene system				
15:20–16:40		Adrian Rodriguez-Palomo Lyotropic liquid crystals in flow. Nanostructure, alignment and flow behaviour studied by SAXS and microfluidics		Alexandra Aulova Modelling creep compliance at different temperatures using multilayer perceptron: Effect of training data				

NRC 2020, Tentative Program								
Wednesday August 26								
From 8:00	Logging in to the Virtual Conference Centre							
		Perspectives of 3D viscoelastic simulations in process design and optimization - dough kneading as a example of an industrial food process						
8:30–9:00		Plenary lecture by Nathalie Germann in the Virtual Auditorium						
Lecture Hall		A		В				
Sympo- sium		Bio-rheology		Rheology of cellulose systems				
9:10–9:30		Catherine Taylor Nordgård Rheology of skin mucus from yolk-sac salmon fry	Chair: xx	Roland Kádár Controlling the dynamic self- organization of cellulose nanocrystal dispersions through surface topological tuning with asymmetric dialkylchains				
9:30–9:50	Chair: xx	Mercedes Jiménez-Rosado Evaluation of the gelation process of collagen-based hydrogels via rheological and microstructural analyses		Maria Alonso-González The importance of rheology in the fabrication of nanofibrous materials with potential application in active packaging				
9:50–10:10		Estefanía Álvarez-Castillo Improving mechanical properties of a plasma based superabsorbent material through the addition of a crosslinker		Sylwia Wojno Topological mapping of cellulose nanocrystals (CNC) surface modifications via nonlinear oscillatory shear				
10:10-		Coffee Break						
11:40-12:00 11:20-11:40 11:00-11:20 10:40-11:00 10:40-11:00 10:40		Ioanna N. Besiria <i>In-situ</i> real-time rheological characterization of alginate-Ca ^{2*} gelation using custom-made setup	Chair: xx	Mina Fazilati Time-dependency and structural alignment of cellulose nanocrystal suspensions in shear-rheometry coupled with polarized light visualizations				
11:00–11:20	Chair: xx	Marwa Tallawi Rheological studies of self- crosslinked gelatin hydrogel filled oxidized alginate microspheres		Juha Koivisto Flow of nanocellulose laden flow through a narrow constriction				
11:20–11:40	Cha	Carlos G. López Large amplitude oscillatory shear rheology of polysaccharide solutions		Mohor Mihelčič The effect of different molar weight of HEC addition on rheological properties of micro-fibrillated cellulose				
		Heidi Liva Pedersen Novel NUTRAVATM Citrus Fiber and it's ability to Stabilize Emulsions		Pauliina Ahokas Rheological properties of aqueous alkali cellulose solutions				
12:00		Lunch break and networking in the Exhibitor Area						
13:00–13:30		Rheology and flow induced crystallisation of polydisperse linear polymers Plenary lecture by Daniel Read in the Virtual Auditorium						
Sympo- sium		Food rheology Rheology of drilling fluids						
	×	Mats Stading Food oral processing – Rheology of the bolus	Chair: xx	Titus Ntow Ofei Effect of barite on the rheological properties of an oil-based drilling fluid				
14:00–14:20 13:40–14:00	Chair: xx	Pietro Rando Food 3D Printing: Effect of Heat Transfer on Print Stability		Ali Ettehadi A comparative study on thixotropic behaviour of clay based drilling fluids				
14:20– 15:30		Coffee break and poster session in the Exhibitor Area						
15:30–15:50		Johanna Andersson Rheology of suspensions of root vegetables as function of processing conditions		Janaki Umashanker The shear and extensional rheology of xanthan gum and oil-field fluids				
		Rheometry		Dispersion rheology				
16:10–16:30 15:50–16:10	Chair: xx	Adrian J Hill A practical overview of the methods of yield stress determination using a rotational rheometer	Chair: xx	Panu Noppari Sol-gel transition of colloidal silica suspension investigated by time-resolved rheometry				
16:10–16:30	Cha			Martin Trulsson Enhanced flowability of dense suspensions due to oscillatory shear				
16:40– 17:00		Closing remarks and presentation of NRC&NPD 2021 in the Virtual Auditorium						

NRC 2020, Posters

Ram Rohit Vannarth Amplitude Sweep Response of a Mahua Based Green Magneto-Rheological Fluid

Herman Camilo Pedrosa Cellulose nanofibers facilitate heavy particle suspension in drilling fluids

Elling-Olav Rukke Influence of freeze storage on rheological properties in Quark

Blandine Feneuil Particle sedimentation during shearing of a transparent emulsions in a Couette cell

Marie Skov Pedersen Rheological methods for characterization of industrially produced jam

A.V. Mityukov The rheology of highly concentrated suspensions for powder injection molding

María Luisa López-Castejón Interfacial rheology and stability of food foams containing inulin

Athanasios Theodoridis Electrical and rheological percolation in high density polyethylene/graphenecomposites