

ISoR 2014
Nov. 24, 2014 Leonardo City Tower, Ramat Gan
Meeting Program

8:00		Registration and get together
9:00	Moshe Gottlieb (BGU)	Opening remarks
9:15	Jan Vermant (ETH)	Interfacial rheology and its role in materials design
10:00	Daphne Weihs (Technion)	The microscopic nature of yield stress
10:25	<u>Adar Sonn-Segev</u> , Anne Bernheim-Groswasser, Yael Roichman, Haim Diamant (TAU,BGU)	Microrheology of in-vitro Acto-Myosin networks in steady-state
10:50		Coffee Break
11:30	Joachim Sunder (Gottfert)	On-line testing of rheological parameters at laboratory and production plants
11:55	Inna Solomonov, <u>Nir Kampf</u> , Irit Sagi (WIS,TAU)	Rheology as a means of examining collagen-reached extra-cellular matrix degradation
12:20	Fritz Soergel (Thermo)	Comprehensive characterization of polymer-based formulations for Pharma Hot Melt Extrusion processing using rheometry and polarization light microscopy
12:45		Posters and Lunch
14:00	Manfred Wilhelm (KIT)	Non-linear rheology and combined methods in rheology and processing
14:45	Massimo Baiardo (TA)	Cone & Partitioned Plate and Orthogonal Superposition for a better understanding of structure-properties relationships
15:10	Peter Forgacs (HP-Indigo)	Rheological fundamentals of HP-Indigo ElectroInk
15:35	Eyal Zussman (Technion)	Polymer network in a strong extensional flow: a study of the electro-spinning jet
16:00		Coffee Break
16:30	Panel discussion	Troubleshooting in rheological measurements
17:15	Daphne Weihs	Closing remarks



Posters

1. Indications of phase transition of OMCTS nanometrically-thin films during Stick - Slip Friction, Irit Goldian, Nir Kampf, Arie Yeredor, and Jacob Klein – (Weizmann, Tel Aviv University)
2. Hierarchical structure of multicomponent polysaccharide-based ECM mimetics, Ortal Levi ,Guy Hochbaum and Ronit Bitton (Ben Gurion University)
3. Analysis of cocoa content in chocolate using **tribo-rheometry** and its correlation to mouth feel, Alina K. Higham and Massimo Baiardo (TA Instruments)
4. Orthogonal Superposition Measurements on Thermo reversible Gels, Madhu Namani and Massimo Baiardo (TA Instruments)
5. The Effects of Emulsifying Additives for Personal Care Products on Oil/Water Interfacial Rheology, Cotts and Massimo Baiardo (TA Instruments)
6. Rheological behavior of Nanofluid materials sensitive to external fields, Massimo Baiardo, (TA Instruments)
7. Simultaneous or subsequent thermal and UV curing detected with simultaneous rheometry and FT-IR spectroscopy, Jan Philip Plog, Fritz Soergel (Thermo Fisher Scientific)
8. Ink jet printing with suspensions – rheological characterization with Capillary Break-up Extensional Rheometry, Fabian Meyer and Fritz Soergel (Thermo Fisher Scientific)
9. Full structural recovery in thixotropic coatings investigated in CS mode with a robust mechanical bearing rheometer, Fabian Meyer and Fritz Soergel (Thermo Fisher Scientific)
10. Controlling Collagen Gel Stiffness and Pore Size through Gelation Conditions, Noa Kirschner, Oshrit Poliker-Aharon, and Daphne Weihs (Technion)