



The Society of Rheology 92nd Annual Meeting

Cross Insurance Center, Bangor, Maine

Meeting Schedule

Monday, October 11, 2021

	B5	B7	MAB	MCD	B6	B1	VR
8:30			M. J. Solomon (PL1) - B567				
9:20			Coffee Break				
9:50	SM1	AR1			SC1	GG1	OP1
10:15	SM2	AR2		AB2	SC2	GG2	OP1
10:40	SM3	AR3		AB3	SC3	GG3	OP1
11:05	SM4	AR4		AB4	SC4	GG4	OP1
11:30				AB5	SC5		OP1
11:55	Monday Boxed Lunch / Student-Industry Forum						
1:30		AR6	FE6	AB6	SC6	GG6	
1:55		AR7	FE7	AB7	SC7	GG7	
2:20		AR8	FE8	AB8	SC8	GG8	
2:45		AR9			SC9	GG9	
3:10	Coffee Break						
3:45	SM10	AR10	FE10	IN1	SC10	MC1	
4:10	SM11	AR11	FE11	IN2	SC11	MC2	
4:35	SM12	AR12	FE12	IN3	SC12	MC3	
5:00	SM13	AR13		IN4	SC13	MC4	
5:25		AR14		IN5	SC14	MC5	
5:50	End						

Tuesday, October 12, 2021

	B5	B7	MAB	MCD	B6	B1	VR
8:30			J. Vermant (PL2) - B567				
9:20			Coffee Break				
9:50		AR15	FE15		SC15	GG10	OP2
10:15		AR16	FE16	AB11	SC16	GG11	OP2
10:40	SM17	AR17	FE17	AB12	SC17	GG12	OP2
11:05	SM18	AR18	FE18	AB13	SC18	GG13	OP2
11:30	SM19	AR19		AB14	SC19	GG14	OP2
11:55	Lunch Break / Society Business Meeting						
1:30	SM20	AR20		AB15	SC20	GG15	
1:55	SM21	AR21		AB16	SC21	GG16	
2:20	SM22	AR22	FE22		SC22	GG17	
2:45	SM23	AR23	FE23		SC23		
3:10	Coffee Break						
3:45	SM24	AR24	FE24	IN6	MC6	RI1	
4:10	SM25	AR25	FE25	IN7	MC7	RI2	
4:35	SM26	AR26	FE26	IN8	MC8	RI3	
5:00	SM27	AR27	FE27	IN9	MC9		
5:25	End						
6:00	Awards Reception						
7:00	Awards Banquet						

Wednesday, October 13, 2021

	B5	B7	MAB	MCD	B6	B1	VR
8:30			P. M. Vlahovska (PL3) - B567				
9:20			Coffee Break				
9:50	SM29		AM1	IN11	SC24	GG19	OP3
10:15	SM30	AB20	AM2	IN12	SC25	GG20	OP3
10:40	SM31	AB21	AM3	IN13	SC26	GG21	OP3
11:05	SM32	AB22	AM4	IN14	SC27	GG22	OP3
11:30	SM33	AB23		IN15	SC28	GG23	OP3
11:55	Lunch Break						
1:30	SM34	AB24	AM6	IN16	RI6	GG24	
1:55	SM35	AB25	AM7	IN17	RI7	GG25	
2:20	SM36	AB26	AM8	IN18	RI8	GG26	
2:45	SM37	AB27	AM9	IN19	RI9	GG27	
3:10	Coffee Break						
3:45	SM38	AR29	AM10	IN20	SC29		
4:10	SM39	AR30	AM11	IN21	SC30		
4:35	SM40	AR31	AM12	IN22	SC31		
5:00	SM41	AR32	AM13	IN23	SC32		
5:25		AR33	AM14	IN24	SC33		
5:50	End						
6:30	Poster Session & Reception						
6:30	Gallery of Rheology Contest						

Thursday, October 14, 2021

	B5	B7	B2	B3	B6	B1
8:30			Q. Chen (MP1) - B567			
9:10			Transition Remarks - B567			
9:20			Coffee Break			
9:50	Gather.Town Networking for In-Person & Virtual Attendees					
11:55	End of Meeting					

Session and Room Codes

AB = Active and Biological Materials

AM = Additive Manufacturing and Composites

AR = Applied Rheology and Rheology Methods

FE = Foams, Emulsions, Surfactants, and Micelles

GG = Arrested Systems: Gels and Glasses

GR = Gallery of Rheology Contest

IN = Flow-induced Instabilities and Non-Newtonian Fluids

MC = Micro- and Nanofluidics and Confined Flows

MP = Metzner Presentation

OP = Online Program

PL = Plenary Lectures

PO = Poster Session

RI = Rheology and Mobility at Interfaces

SC = Suspensions, Colloids, and Granular Materials

SM = Polymers Solutions, Melts, and Blends

VP = Pre-recorded Flash Presentations

B1 = Ballroom 1

B1234 = Ballroom 1-2-3-4

B2 = Ballroom 2

B5 = Ballroom 5

B567 = Ballroom 5-6-7

B6 = Ballroom 6

B7 = Ballroom 7

B3 = Ballroom 3

MAB = Meeting Room A-B

MCD = Meeting Room C-D

VR = Virtual

Monday, October 11

Morning

	Ballroom 5 Polymers Solutions, Melts and Blends	Ballroom 7 Applied Rheology and Rheology Methods	Meeting Room A-B	Meeting Room C-D Active and Biological Materials	Ballroom 6 Suspensions, Colloids & Granular Materials	Ballroom 1 Arrested Systems: Gels and Glasses	Virtual Online Program
8:30	PL1. Manipulating the rheology of colloidal gels with embedded active matter. <i>M. J. Solomon</i> Ballroom 5-6-7						
9:20	COFFEE BREAK						
9:50	SM1. Pressure drop measurements of Newtonian and non-Newtonian fluids in a hyperbolic channel. <i>D. F. James, C. Roos and A. Tripathi</i>	AR1. The dynamics of parallel-plate and cone-plate flows. <i>D. C. Venerus and A. U. Oza</i>			SC1. Linear viscoelastic properties of adhesive soft particle glasses. <i>A. Shahmohammadi and R. T. Bonnecaze</i>	GG1. Time-connectivity superposition and the gel/glass duality of weak colloidal gels. <i>B. Keshavarz, D. Gomes Rodrigues, J.-B. Champenois, M. Frith, J. Ilavsky, M. Geri, T. Divoux, G. H. McKinley and A. Poulesquen</i>	OP1. Online discussion: Session 1. <i>A. M. Grillet and M.-C. Heuzey</i>
10:15	SM2. Rouse model with fluctuating internal friction. <i>R. Kailasham, R. Chakrabarti and J. R. Prakash</i>	AR2. Probing 3D molecular orientation and alignment of flowing fluids by small-angle scattering. <i>P. H. Gilbert, J. Rooks, P. Butler and Y. Liu</i>		AB2. Excess entropy scaling in active matter systems. <i>S. A. Ghaffarizadeh and G. J. Wang</i>	SC2. Rheology of colloids bridged by telechelic polymers: Dynamics of transitions between loops and bridges. <i>A. Travitz and R. G. Larson</i>	GG2. State behavior and kinetics of alkali-activated aluminosilicate gels. <i>J. N. Mills and N. J. Wagner</i>	OP1 continues
10:40	SM3. A thermodynamically consistent model of polymer disentanglement under flow. <i>D. E. Benjamin and P. D. Olmsted</i>	AR3. A rheometer for high-solids, heterogeneous soils. <i>B. A. Appleby, M. Ishaq, J. Rostami and J. R. Samaniuk</i>		AB3. A front-back flow asymmetry controls locomotion dynamics in viscoelastic fluids. <i>S. Wu, K. Shoele and H. Mohammadigoushki</i>	SC3. Responsive yielding in soft capsule suspensions. <i>R. Poling-Skutvik, A. Dhand, D. Keane and C. Osuji</i>	GG3. Gel and glassy states in macro- and nano-emulsions in the presence of micellar depletion attraction. <i>N. Sanatkar, M. Zhou and R. Foudazi</i>	OP1 continues
11:05	SM4. Revisiting nonlinear flow behavior of rouse chain: Roles of FENE, friction-reduction, and Brownian force intensity variation. <i>H. Watanabe, Y. Matsumiya and T. Sato</i>	AR4. Advancing towards thermal nonequilibrium rheometry. <i>R. McKenzie</i>		AB4. Self-propulsion of a freely suspended swimmer by a swirling tail in a viscoelastic fluid. <i>J. P. Binaglia, L. Kroo, M. Prakash and E. Shaqfeh</i>	SC4. Rheological properties of phase transitions in polydisperse and monodisperse colloidal rod systems. <i>S. He, D. R. Pascucci, M. Caggioni, S. Lindberg and K. M. Schultz</i>	GG4. Multi-staged progression of the viscoelastic moduli during gelation of Aiyu pectin. <i>Y.-L. Chen, F.-W. Wang, M. Geri, Y.-R. Chen, J.-R. Huang and G. H. McKinley</i>	OP1 continues
11:30				AB5. Life in a tight spot: How bacteria swim, disperse, and grow in complex spaces. <i>T. Bhattacharjee, D. B. Amchin, R. Alert, J. A. Ott and S. S. Datta</i>	SC5. High shear capillary rheology and flow birefringence of rod-like viruses. <i>S. Kuei, P. Salipante, R. Murphy, K. Weigandt and S. Hudson</i>		OP1 continues
11:55	MONDAY BOXED LUNCH / STUDENT-INDUSTRY FORUM (Virtual, 12:15 to 1:15 pm)						

Afternoon

	Ballroom 5	Ballroom 7 Applied Rheology and Rheology Methods	Meeting Room A-B Foams, Emulsions, Surfactants & Micelles	Meeting Room C-D Active and Biological Materials	Ballroom 6 Suspensions, Colloids & Granular Materials	Ballroom 1 Arrested Systems: Gels and Glasses	Virtual
1:30		AR6. In-vitro cell-on-cell dry eye model incorporating normal stress control. <i>P. Baumli, C. Liu, M. Braunreuther and G. G. Fuller</i>	FE6. Mixing dynamics of bilgewater emulsions in Taylor Couette flows. <i>V. Panwar and C. Dutcher</i>	AB6. The colloidal nature of complex fluids leads to enhanced motility of flagellated bacteria. <i>S. Kamdar, S. Shin, L. F. Francis, X. Xu and X. Cheng</i>	SC6. Effect of geometric frustration on the linear viscoelasticity of dense colloidal suspensions. <i>S. Pradeep, A. Wessel and L. C. Hsiao</i>	GG6. Colloidal vitrification is a spontaneous non-equilibrium transition driven by osmotic pressure. <i>R. N. Zia and J. Wang</i>	
1:55		AR7. Gaborheometry: Applications of the Gabor transform to time-resolved oscillatory rheometry. <i>J. D. John Rathinaraj and G. H. McKinley</i>	FE7. Mesoscale simulation approach for dynamics and assembly of deformable objects. <i>T. Bello, S. Lee and P. T. Underhill</i>	AB7. Opto-rheology of biologically derived active gels. <i>D. L. Blair, C. Dessi and D. A. Gagnon</i>	SC7. Contact mechanics between colloidal particles. <i>F. M. Eric</i>	GG7. Bijels: 2D glasses or 3D gels? <i>H. Ching and A. Mohraz</i>	

2:20	AR8. High throughput microrheology: A path to rapid phase diagram and formulation mapping. <i>Y. Luo, M. Gu, Y. He, C. Edwards, M. E. Helgeson and M. Valentine</i>	FE8. Toward a biological toolkit: Systematic characterization of double emulsions for screening applications. <i>S. G. Calhoun, K. K. Brower, G. Kim, V. Chandran Suja, R. Radzaminski, M. Khariton, P. M. Fordyce and G. G. Fuller</i>	AB8. Effects of collagen on viscoelasticity of <i>Pseudomonas aeruginosa</i> biofilms grown in mouse wound beds. <i>G. F. Christopher and M. Ur Rahman</i>	SC8. Coupling between attractions and repulsions in flow of colloidal suspensions. <i>S. Virk and P. T. Underhill</i>	GG8. Relaxation processes in partially arrested soft matter. <i>H. Winter</i>	
2:45	AR9. In-situ microrheology of drying paint. <i>M. C. Roffin, C. L. Wirth, S. V. Barancyk, R. M. Rock, A. Surface and J. F. Gilchrist</i>			SC9. Network physics analysis of short-range attractive. <i>M. Nabizadeh, N. Farzaneh, R. Babak and S. Jamali</i>	GG9. Microscopic origins of non-exponential stress relaxations in arrested soft materials. <i>J. Song, Q. Zhang, F. de Quesada, M. H. Rizvi, J. Ilavsky, J. B. Tracy, S. Narayanan, R. L. Leheny, E. Del Gado, N. Holten-Andersen and G. H. McKinley</i>	
3:10	Polymers Solutions, Melts and Blends		COFFEE BREAK			
3:45	SM10. Dynamic dilution in bidisperse ring polymer melts. <i>T. C. O'Connor, J. Smrek and G. S. Grest</i>	AR10. Practical rheological investigation of industrial soft solids. <i>D. J. Moonay</i>	FE10. Drainage via stratification in foam films made with polymer-surfactant complexes. <i>C. Xu, C. Martinez and V. Sharma</i>	IN1. How much of the transient rheological behavior of geological shear zones can be explained using granular physics alone? <i>B. Ferdowsi, B. M. Alessio and A. M. Rubin</i>	SC10. Relationships among structure, memory, and flow in sheared disordered materials. <i>L. Galloway, E. Teich, M. Ma, C. Kammer, I. Graham, N. Keim, C. Reina, D. Jerolmack, A. Yodh and P. Arratia</i>	Micro- and Nanofluidics & Confined Flows
4:10	SM11. Entanglement kinetics during interrupted orthogonal shear flow. <i>P. D. Olmsted, M. G. Cuhna and M. O. Robbins</i>	AR11. Three-dimensional technique for measuring sag in drying coatings. <i>M. W. Issa, H. Yu, M. C. Roffin, J. F. Gilchrist, S. V. Barancyk, R. M. Rock and C. L. Wirth</i>	FE11. The impact of viscous stress and Marangoni stress on the micro-scale droplet film drainage time. <i>Y. Chen and C. Dutcher</i>	IN2. Computational models and experimental studies of mold filling in thin channels with yield stress fluids. <i>R. R. Rao, J. T. McConnell, A. M. Grillet, W. Ortiz, B. Dey, P. Newell and C. C. Roberts</i>	SC11. Shear induced geometry and jamming in sphere packings. <i>V. H A and S. Sastry</i>	MC1. Let's set the (error) bar high: Quantifying uncertainties in MD simulations of transport under nanoscale confinement. <i>Y. Li and G. J. Wang</i>
4:35	SM12. Diffusion of thin nanorods in polymer melts. <i>J. Wang, T. C. O'Connor, G. S. Grest, Y. Zheng, M. Rubinstein and T. Ge</i>	AR12. Active probe rheology simulations: General formalism and applications. <i>P. Nourian, R. Islam, D. Sundaravadivelu Devarajan and R. Khare</i>	FE12. Drainage kinetics of sodium caseinate foam films. <i>L. Hassan, C. Xu, M. Boehm, S. Baier and V. Sharma</i>	IN3. Microphase separation and flow-induced crystallization in entangled polymeric solutions in extensional flows. <i>B. J. Edwards, M. H. Nafar Sefiddashti and B. Khomami</i>	SC12. Irreversible aggregation in sheared non-Brownian suspensions of clathrate hydrates. <i>M. Geri and G. H. McKinley</i>	MC2. Diffusion into dead-end pores of non-uniform cross-section. <i>F. Bernardi, J. P. Remeis, E. Abele, G. Lee, A. W. Taylor and D. M. Harris</i>
5:00	SM13. Exploring the origins of the distinct relaxation times measured in shear and extensional rheometry for concentrated polymer solutions. <i>J. Du, H. Ohtani, K. Ellwood and G. H. McKinley</i>	AR13. Volatile dripping-onto-substrate (vDoS) extensional rheometry of polymeric fluids. <i>B. P. Robertson and M. A. Calabrese</i>		IN4. An experimental study on vortex-induced vibrations of a cylinder in shear thinning flow. <i>P. R. Boersma, J. P. Rothstein and Y. Modarres-Sadeghi</i>	SC13. Going with the flow: Multiscale dynamics of colloidal deposition, erosion, and interactions with immiscible fluids. <i>J. Schneider, N. Bizmark, R. D. Priestley and S. S. Datta</i>	MC3. Flow rate–pressure drop relation for complex fluids in narrow geometries. <i>E. Boyko and H. Stone</i>
5:25	AR14. Macromolecular engineering of rheology and pinching dynamics of formulations. <i>C. Martinez Narvaez, L. Jimenez, J. Dinic and V. Sharma</i>			IN5. Numerical study of vortex-induced vibrations of a cylinder in shear-thinning and shear-thickening power-law fluids. <i>U. N. Patel, J. P. Rothstein and Y. Modarres-Sadeghi</i>	SC14. Virtual mass of an oscillating sphere. <i>N. Snow and X. Yin</i>	MC4. High-pressure microfluidics identifies homogeneous bubble nucleation in polymer foams. <i>A. S. Ylitalo, H. Chao, T. C. Fitzgibbons, W. Zhou, S. Mantha, E. Di Maio, R. C. Flagan, Z.-G. Wang and J. A. Kornfield</i>
5:50					MC5. Growth and coalescence of nanoscopic mesas in stratifying, ultrathin freestanding films. <i>C. Xu, S. Yilixiati, Y. Zhang and V. Sharma</i>	

END

Tuesday, October 12

Morning

8:30	PL2. Do interfaces matter in rheology? <i>J. Vermant</i> (Bingham Lecture) Ballroom 5-6-7						
9:20	COFFEE BREAK						
	Ballroom 5 Polymers Solutions, Melts and Blends	Ballroom 7 Applied Rheology and Rheology Methods	Meeting Room A-B Foams, Emulsions, Surfactants & Micelles	Meeting Room C-D Active and Biological Materials	Ballroom 6 Suspensions, Colloids & Granular Materials	Ballroom 1 Arrested Systems: Gels and Glasses	Virtual Online Program
9:50		AR15. Rheology of aluminum copper alloys in the solidification region. <i>L. Ravi Narayan and R. J. Hebert</i>	FE15. Factors governing rod formation and growth in polymer micelles. <i>P. J. McCauley, S. Kumar and M. A. Calabrese</i>		SC15. Two-step relaxation of shear-thickening dense suspensions. <i>A. Griese, J. H. Cho, I. Peters and I. Bischofberger</i>	GG10. Crazing reveals entanglement network in glassy ring polymers. <i>J. Wang and T. Ge</i>	OP2. Online discussion: Session 2. <i>A. M. Grillet and M.-C. Heuzey</i>
10:15		AR16. The kitchen pot thickens, drop by drop. <i>K. Suresh, L. Hassan, C. Martínez Narváez, M. Boehm, S. Baier and V. Sharma</i>	FE16. In situ rheodielectric investigation of alignment of lyotropic liquid crystal mesophases under large amplitude oscillatory shear. <i>A. Bandegi and R. Foudazi</i>	AB11. Rheological characterization of covalent adaptable thioester networks. <i>S. Desai, B. Carberry, K. Anseth and K. M. Schultz</i>	SC16. Scaling of the viscosity in discontinuously shear-thickening suspensions. <i>B. Chakraborty and J. F. Morris</i>	GG11. Microscopic interactions and emerging elasticity in model soft particulate gels. <i>M. Bantawa, W. A. Fontaine-Seiler, P. D. Olmsted and E. Del Gado</i>	OP2 continues
10:40	SM17. Probing nonequilibrium dynamics of entangled polymers using orthogonal superposition rheometry. <i>J. Zhang, A. Jurzyk, M. E. Helgeson and L. G. Leal</i>	AR17. Fingerprints of thixotropy, anti-thixotropy, and viscoelasticity: A comparison of protocols. <i>Y. Wang and R. H. Ewoldt</i>	FE17. Magneto-rheology and field-induced ordering in polymer solutions via a mechanism alternate to phase alignment. <i>K. Suresh, G. V. Kresge and M. A. Calabrese</i>	AB12. Blood thixotropy and rheological hysteresis under shear. <i>E. Javadi and S. Jamali</i>	SC17. A first-principles approach toward characterizing the rheology of starch granules during granule swelling. <i>V. Narsimhan, G. P. Desam, J. Li, N. L. Deghani and G. Narsimhan</i>	GG12. Elasticity in gels of discoidal colloids. <i>M. Ganesan, P.-K. Kao and M. J. Solomon</i>	OP2 continues
11:05	SM18. Flow-induced crystallization of a polyethylene liquid above the melting temperature and its nonequilibrium phase diagram. <i>M. H. Nafar Sefiddashti, B. J. Edwards and B. Khomami</i>	AR18. Using hydrogel autofluorescence to determine elastic modulus in spatially nonuniform hydrogels. <i>J. A. McGlynn and K. M. Schultz</i>	FE18. Why can we measure interfacial rheology for some polymers at the A/W interface and not for others? <i>D. Ashkenazi, S. Alexandris, D. Vlassopoulos and M. Gottlieb</i>	AB13. Effects of sustained low-dosage aspirin consumption on the thixotropic behavior, microstructure and rheology of human blood. <i>M. J. Armstrong, T. Corrigan, E. Milner, D. Bailey, A. Pincot and T. Brown</i>	SC18. Understanding granular clogging of porous media and continuum flow in rapid underground tunneling. <i>B. A. Appleby and J. R. Samaniuk</i>	GG13. Colloidal bond kinetics govern the rheology of weakly attractive gels. <i>M. Nabizadeh and S. Jamali</i>	OP2 continues
11:30	SM19. A thermodynamically inspired method for quantifying phase transitions in polymeric liquids with application to flow-induced crystallization of a polyethylene melt. <i>B. J. Edwards, M. H. Nafar Sefiddashti and B. Khomami</i>	AR19. Rheology empowered failure analysis of insulating glass unit performance enables a more accurate prediction of sustainability and resiliency to a changing climate. <i>C. White, M. Dimitriou and H. Nejad</i>		AB14. Effect of excipient addition on the extensional flow of protein solutions. <i>K. T. Lauser, A. Rueter, I. Jones and M. A. Calabrese</i>	SC19. Rheo-small angle neutron scattering measurements of shear-thickening colloidal suspensions with varying interparticle friction. <i>Y.-F. Lee, B. C. Scott and W. J. Norman</i>	GG14. Tuning viscoelastic behavior of vitrimers via crosslinker and backbone control. <i>L. E. Porath and C. M. Evans</i>	OP2 continues
11:55	LUNCH BREAK / SOCIETY BUSINESS MEETING (Ballroom 2-3, 12:00-1:30 pm)						

Afternoon

	Ballroom 5 Polymers Solutions, Melts and Blends	Ballroom 7 Applied Rheology and Rheology Methods	Meeting Room A-B Foams, Emulsions, Surfactants & Micelles	Meeting Room C-D Active and Biological Materials	Ballroom 6 Suspensions, Colloids & Granular Materials	Ballroom 1 Arrested Systems: Gels and Glasses	Virtual
1:30	SM20. Polypropylene ionomers: Extensional strain-hardening and extensional-flow-induced crystallization. <i>C. R. López-Barrón and T.-P. Lin</i>	AR20. Materials that alter the interfacial liquid film in soft tribology. <i>L. C. Hsiao, Y. Peng, C. M. Serfass and E. E. Schmidt</i>		AB15. Rheological study of epithelial cell layer by air-liquid interface induced delamination. <i>C. Liu and G. G. Fuller</i>	SC20. Shear thickening: A transition from unconstrained to the constrained state. <i>A. Singh, J. J. de Pablo and H. M. Jaeger</i>	GG15. Hierarchical nature of linear viscoelastic response in colloidal gels. <i>M. Bantawa, B. Keshavarz, M. Geri, M. Bouzid, T. Divoux, E. Del Gado and G. H. McKinley</i>	

1:55	SM21. Short-chain branching and rheology of crystallizing LLDPEs. <i>M. Andreev, G. C. Rutledge, A. Kotula, J. Moore and J. den Doelder</i>	AR21. Defluidization of cohesive particles on an air-bearing rheometer for estimation of particle-level cohesion. <i>A. Shetty, I. Mishra and C. Hrenya</i>	AB16. A dilatational rheology perspective on acute respiratory distress syndrome. <i>C. Ciutara, S. Barman and J. Zasadzinski</i>	SC21. Unifying disparate non-Newtonian regimes in suspensions: One model to unify them all. <i>R. V. More and A. M. Ardekani</i>	GG16. Intersection of percolation, phase separation and glassy behavior sets minimal conditions for gelation of colloidal systems. <i>B. K. Ryu, S. Fenton, T. Nguyen, P. Padmanabhan, M. E. Helgeson and R. N. Zia</i>	
2:20	SM22. Rheology during crystallization of mixed polyolefins. <i>D. E. Huang, A. Kotula, C. R. Snyder and K. D. Migler</i>	AR22. A new rapid DSR separation method for polymer modified asphalt. <i>Y. Cui</i>	FE22. Tuning the thermoresponsive assembly and gelation of ABA/BAB triblock polymers for targeted antibiotic delivery to treat middle ear infections. <i>J. M. White and M. A. Calabrese</i>	SC22. Shear-induced transition from disorder to coexisting ordered states in dense colloidal suspensions. <i>A. Goyal, E. Del Gado, S. Jones and N. Martys</i>	GG17. Bond forming dynamics of a model colloidal suspension with depletion interaction. <i>Q. Li and E. M. Furst</i>	
2:45	SM23. Attraction and indifference in the flow and crystallization of poly(L-lactide) with tungsten disulfide inorganic nanotubes (PLLA/WS2NT). <i>L. Rocher, A. S. Ylitalo, T. Di Luccio, R. Miscioscia, G. De Filippo, G. Pandolfi, F. Villani, A. Zak, G. H. Menary, A. B. Lennon and J. A. Kornfield</i>	AR23. RhIGNets: Rheology-informed graph neural networks for learning hidden rheology of complex fluids. <i>M. Mahmoudabadbozchelou and S. Jamali</i>	FE23. Constitutive modeling of dilute wormlike micelle solutions: Shear-induced structure, transient dynamics, and inhomogeneous flows. <i>R. J. Hommel and M. D. Graham</i>	SC23. Modeling the flow of aggregating suspensions using a multiscale tensor approach. <i>S. Jariwala, M. J. Armstrong, N. J. Wagner and A. N. Beris</i>		
3:10						
COFFEE BREAK						
			Flow Induced Instabilities & Non-Newtonian Fluids	Micro- and Nanofluidics & Confined Flows	Rheology and Mobility at Interfaces	
3:45	SM24. Effect of flow on the rheology-crystallinity relationship in crystallizing polyethylenes. <i>A. Kotula</i>	AR24. Rheology and texture of dairy and alternative cheeses using fractional calculus. <i>F. De Vito, S. D. Dieng and J. B. Hirsch</i>	FE24. Medium amplitude parallel superposition (MAPS) rheology of a wormlike micellar solution. <i>K. R. Lennon, G. H. McKinley and J. W. Swan</i>	IN6. Transiently linked FENE dumbbells under shear flow. <i>L. E. Quintero F., P. L. Cook and L. Zhou</i>	MC6. Capillary flow of chiral liquid crystals. <i>S. Norouzi, M. Esmaeili, K. George, J. A. Martinez-Gonzalez, N. Taheri-Qazvini, R. Zhang and M. Sadati</i>	RI1. Shear and dilation rheology of complex fluid interfaces. <i>Y. S. Tein, C. Majkrzak, B. Maranville, J. Vermant, B. Thompson and N. J. Wagner</i>
4:10	SM25. Shear-induced nematic phase in entangled rod-like PEEK melts. <i>D. Parisi, J. Seo, R. P. Schaake, A. M. Rhoades and R. H. Colby</i>	AR25. Pseudo-linear large-amplitude oscillatory shear stress (LAOStress): A delicious gift from Afuega'l Pitu Spanish cheese. <i>N. Ramlawi, L. Piñeiro-Lago, I. Franco, C. A. Tovar, L. Campo-Deaño and R. H. Ewoldt</i>	FE25. Rheology of wormlike micellar gels formed by long-chained zwitterionic surfactants. <i>R. R. Gupta, R. Mitishita, G. J. Elfring and I. Frigaard</i>	IN7. Unification of the rheological physics of yield stress fluids. <i>K. M. Kamani, G. J. Donley and S. A. Rogers</i>	MC7. Rheological analysis of complex fluids at the point-of-need via capillary filling dynamics. <i>J. C. Contreras-Naranjo and V. M. Ugaz</i>	RI2. Influence of interfacial viscosity on the stability of droplet shapes during sedimentation. <i>N. Singh and V. Narsimhan</i>
4:35	SM26. Relating the entanglement of semiflexible polymer melts to their local inter- and intra-chain structure. <i>R. S. Hoy, J. D. Dietz and M. Kröger</i>	AR26. Liquid sheet breakup and droplet evaporation in agricultural sprays. <i>I. Makhnenko, E. Alonzi, F. Steven, C. Christine and C. Dutcher</i>	FE26. Measuring the structure and rheology of wormlike micelles at high shear rates with capillary rheoSANS. <i>K. Weigandt, R. Murphy, P. Salipante and S. Hudson</i>	IN8. The specific sequence of physical processes that causes the loss modulus overshoot in yield stress fluids. <i>G. J. Donley, K. M. Kamani, P. K. Singh, A. Shetty and S. A. Rogers</i>	MC8. Experimental and theoretical studies of cross-stream migration of non-spherical particles in a quadratic flow of viscoelastic fluid. <i>C.-W. Tai, S. Wang and V. Narsimhan</i>	RI3. High throughput assessment of shear surface viscosity of bilayer membranes. <i>H. A. Faizi, R. Dimova and P. M. Vlahovska</i>
5:00	SM27. Predicting the plateau modulus from molecular parameters of conjugated polymers. <i>A. M. Fenton, E. D. Gomez and R. H. Colby</i>	AR27. The effects of pH and ionic strength on the extensional relaxation time of agricultural sprays. <i>M. Xu, A. Riseman and J. Frostad</i>	FE27. Developing a scattering model for semiflexible chains in flow to assess flow-enhanced scission of wormlike micelles. <i>J. Zhang, G. S. Smith, P. T. Corona, L. G. Leal and M. E. Helgeson</i>	IN9. Reynolds "stress" realizability and Cauchy stress objectivity. <i>C. A. Petty and A. Benard</i>	MC9. Controlling alginate gelation dynamics in confined flows. <i>B. T. Smith and S. M. Hashmi</i>	

END

AWARDS RECEPTION Ballroom Pre Function, Tent, until 7 pm

AWARDS BANQUET Ballroom 1-2-3

Wednesday, October 13

Morning

8:30	PL3. Electrified droplets: Instabilities, interactions, and rheology. <i>P. M. Vlahovska</i> Ballroom 5-6-7						
9:20	COFFEE BREAK						
	Ballroom 5 Polymers Solutions, Melts and Blends	Ballroom 7 Active and Biological Materials	Meeting Room A-B Additive Manufacturing and Composites	Meeting Room C-D Flow Induced Instabilities & Non-Newtonian Fluids	Ballroom 6 Suspensions, Colloids & Granular Materials	Ballroom 1 Arrested Systems: Gels and Glasses	Virtual Online Program
9:50	SM29. Spinnability and centrifugal force spinning of fibers of poly(ethylene oxide) solutions. <i>J. Merchiers, C. Slykas, C. Martínez Narváez, N. Reddy and V. Sharma</i>		AM1. Rheology and formulation in material extrusion additive manufacturing of high solids suspensions. <i>A. Marmot and B. K. Brettmann</i>	IN11. Linear versus branched: Flow of a wormlike micellar fluid past a falling sphere. <i>S. Wu and H. Mohammadigoushki</i>	SC24. Spherically confined Brownian suspensions: Influence of locally heterogenous structure on diffusion and rheology. <i>A. M. Sunol and R. N. Zia</i>	GG19. Dynamics of polymer gels near surfaces. <i>S. Morozova, S. Dhakal, D. Estrin, E. Hitimana and H. Chen</i>	OP3. Online discussion: Session 3. <i>A. M. Grillet and M.-C. Heuzey</i>
10:15	SM30. Extensional rheology and pinching dynamics of polysaccharide food thickener. <i>K. Suresh, M. Boehm, S. Baier and V. Sharma</i>	AB20. Giant vesicle dynamics in large amplitude oscillatory extension. <i>C. Lin, D. Kumar, C. Richter, S. Wang, C. M. Schroeder and V. Narsimhan</i>	AM2. Flow-induced stretch, alignment, and relaxation of semi-crystalline polymers in material extrusion additive manufacturing. <i>J. E. Seppala, A. Kotula, Z. Wang, O. Agarwal, T. Nguyen and K. J. Hemker</i>	IN12. Effects of micellar entanglement density on kinetics of shear banding flow formation in wormlike micelles. <i>P. Rassolov, L. Zhou, P. L. Cook and H. Mohammadigoushki</i>	SC25. Effect of confinement, flow rate and particle rigidity on the microstructure of semi-dense and dense suspensions. <i>B. Erika, K. Shaghayegh, O. Fellipe, A. Boromand, M. F. Naccache and J. Maia</i>	GG20. Under pressure: Hydrogel swelling in a granular medium. <i>J.-F. Louf and S. S. Datta</i>	OP3 continues
10:40	SM31. Rheological investigation of magnetically induced disorder/order transition in block copolymer micelles. <i>G. V. Kresge, K. Suresh and M. A. Calabrese</i>	AB21. Mechanical characterization of alginate hydrogel beads. <i>M. M. Uddin, A. Pore and S. Vanapalli</i>	AM3. 3D printing of a Diels-Alder covalent adaptable network with microparticle reinforcement. <i>D. J. Bischoff and M. E. Mackay</i>	IN13. Flow-induced concentration non-uniformity and shear banding in entangled polymer solutions. <i>M. C. Burroughs, A. Shetty, L. G. Leal and M. E. Helgeson</i>	SC26. Predicting particle wall penetration in multicomponent systems using Machine Learning. <i>B. Erika, K. Shaghayegh, A. Boromand, M. F. Naccache and J. Maia</i>	GG21. Modeling temperature-dependent rheological aging in bentonite suspensions. <i>J. D. J. Rathinaraj, K. R. Lemmon, M. Gonzalez, A. Santra, J. W. Swan and G. H. McKinley</i>	OP3 continues
11:05	SM32. Magneto-rheology and field-dependent phase separation of aqueous solutions of nanorods and thermo-responsive polymers. <i>C. A. Neal, M. C. Quan, V. Leon and M. A. Calabrese</i>	AB22. Correlation of dynamic scaffold rheology with molecular release during material degradation. <i>N. Wu and K. M. Schultz</i>	AM4. High strength, high toughness parts via dual material fused filament fabrication. <i>B. Koker, J. H. Park, R. Ruckdashel, H. Abajorga, R. Dunn, E. Wetzel and D. Kazmer</i>	IN14. The influence of polymer entanglement on air entrainment dynamics under droplet impacts. <i>Z. He and M. Y. Pack</i>	SC27. Thixotropic spectra and Ashby-style charts for thixotropy. <i>S. Sen and R. H. Ewoldt</i>	GG22. Local mechanism governing the global reinforcement of filler-hydrogel composites. <i>I. Dellatolas, M. Bantawa, B. Damerou, T. Divoux, E. Del Gado and I. Bischofberger</i>	OP3 continues
11:30	SM33. Microscopic dynamics and rheology of vitrimers. <i>A. Perego, D. Lazarenko, M. Cloitre and F. Khabaz</i>	AB23. Metal-coordination crosslink dynamics: A bio-inspired toolbox for engineering hydrogel mechanics. <i>N. Holtén-Andersen</i>		IN15. Instabilities and turbulence in planar jets of dilute polymer solutions. <i>S. Yamanidouzisorkhabi, Y. Raj, T. A. Zaki, G. H. McKinley and I. Bischofberger</i>	SC28. Rheology of sheared suspensions of conductive particles in an electric field. <i>S. Mirfendereski and J. S. Park</i>	GG23. New insights into the rheological aging of a model thermoreversible colloidal gel with short-range interactions. <i>K. Suman and N. J. Wagner</i>	OP3 continues
11:55	LUNCH BREAK						

Afternoon

	Ballroom 5 Polymers Solutions, Melts and Blends	Ballroom 7 Active and Biological Materials	Meeting Room A-B Additive Manufacturing and Composites	Meeting Room C-D Flow Induced Instabilities & Non-Newtonian Fluids	Ballroom 6 Rheology and Mobility at Interfaces	Ballroom 1 Arrested Systems: Gels and Glasses	Virtual
1:30	SM34. Unentangled vitrimer melts: Generalized Rouse theory illuminates interplay of cross-link exchange and backbone relaxations on linear viscoelasticity. <i>R. G. Ricarte and S. Shambhag</i>	AB24. Polymer nanoparticle hydrogels: Physical hydrogels with extreme extensibility. <i>A. K. Grosskopf, M. Joseph, E. A. Appel and Y. Anthony</i>	AM6. Multi-material fused filament fabrication via core-shell die design. <i>A. Naqi and M. E. Mackay</i>	IN16. Route to elastoinertial turbulence via Tollmien-Schlichting instability. <i>A. Shekar, R. M. McMullen, B. J. McKeon and M. D. Graham</i>	RI6. Nonlinear interfacial rheology and adsorption behavior of clinical lung surfactant. <i>S. Barman, C. Ciutara and J. Zasadzinski</i>	GG24. Cellulose nanocrystals for gelation and percolation-induced reinforcement of a photocurable poly(vinyl alcohol) derivative. <i>R. D. Corder, P. Adhikari, M. C. Burroughs, O. J. Rojas and S. A. Khan</i>	

1:55	SM35. Determination of the number-average molecular weight of polyelectrolytes. <i>A. Han, S. Uppala, B. J. Dixon, L. A. Madsen and R. H. Colby</i>	AB25. Non-affine deformation of semiflexible polymer networks. <i>S. Chen, T. Markovich and F. C. MacKintosh</i>	AM7. Suppression of filament defects in embedded 3D printing. <i>L. M. Friedrich and J. E. Seppala</i>	IN17. Axisymmetric numerical simulations of viscoelastic jets. <i>K. Zinelis, T. Abadie, G. H. McKinley and O. K. Matar</i>	RI7. Interfacial tensions and film drainage times with surfactant stabilized emulsions: Towards improved liquid-liquid separation. <i>R. B. Bachmak, D. B. Moravec, B. G. Hauser, D. J. Andrew and C. Dutcher</i>	GG25. Investigation of the yielding transition in concentrated colloidal systems via rheo-XPCS. <i>G. J. Donley, J. Park, M. A. Wade, S. Narayanan, R. L. Leheny, J. L. Harden and S. A. Rogers</i>
2:20	SM36. Influence of small ions on composition and viscoelasticity of polyelectrolyte complexes. <i>S. Srivastava, V. Syed, D. Iyer and A. Holkar</i>	AB26. Mechanical response of phantom tissues to compressive loading. <i>B. Carroll, J. Adekunle and A. E. Pateson</i>	AM8. Can the power law model predict behavior of colloidal dispersions for 3D printing applications? <i>N. Hoque and G. F. Christopher</i>	IN18. Torsional fracture of viscoelastic liquid bridges. <i>F. van Berlo, S. T. Chan, H. A. Faizi, A. Matsumoto, S. Haward, P. D. Anderson and A. Chen</i>	RI8. Coronavirus rotational diffusivity. <i>M. Kanso, A. J. Giacomini, J. A. Hanna and J. H. Piette</i>	GG26. Transient yielding of soft particle glasses. <i>B. Di Dio, F. Khabaz, R. T. Bonnecaze and M. Cloitre</i>
2:45	SM37. Polyelectrolytes dynamics and rheology, in a pinch. <i>L. Jimenez, C. Martínez Narváez, J. Dinic and V. Sharma</i>	AB27. Strain-induced critical slowing of stress relaxation in elastic networks. <i>J. L. Shivers, A. Sharma and F. C. MacKintosh</i>	AM9. Methods of microencapsulation of responsive microparticle suspensions. <i>S. Wilson-Whitford, J. Gao, M. C. Roffin, T. Kaewpetch and J. F. Gilchrist</i>	IN19. Secondary or adverse effects in the use of polymer additives for turbulent drag reduction. <i>E. A. Davis and J. S. Park</i>	RI9. Artificial tap water and interfacial rheology of tea varieties. <i>C. E. Giacomini, R. Y. Chen and P. Fischer</i>	GG27. Accelerated yielding of binary colloidal gels. <i>J. H. Cho and I. Bischofberger</i>
3:10	Applied Rheology and Rheology Methods					
3:45	SM38. Dynamic signatures of gelation in associative polymer solutions. <i>A. Santra, G. H. McKinley and J. R. Prakash</i>	AR29. Connecting structural thixotropic models with non-equilibrium thermodynamic principles for human blood. <i>M. J. Armstrong, A. Pincot, S. Jariwala, J. Horner, A. N. Beris and N. J. Wagner</i>	AM10. 3D-printing of chiral inks within jammed microgels. <i>M. Esmaeili, K. George, N. Taheri-Qazvini and M. Sadati</i>	IN20. Reverse transition routes from inertial to elasticity-dominated turbulence in viscoelastic Taylor-Couette flow. <i>J. Song, N. Liu and B. Khomami</i>	Suspensions, Colloids & Granular Materials	
4:10	SM39. Understanding solvation of cellulose in ionic liquids by time dissolution evolution (TiDE) rheometry. <i>C. E. Owens, P. Sanchez, J. Du, A. J. Hart and G. H. McKinley</i>	AR30. Method to compute time-for-flight in a viscoelastic material by linear network model. <i>N. V. Salvi and J. Tan</i>	AM11. Robust networks of interfacial localized graphene in cocontinuous polymer blends. <i>Y. Kou, X. Cheng and C. W. Macosko</i>	IN21. Interfacial flows and instabilities of elastic fluids. <i>F. Albreiki, V. Sharma, A. Kubinski, A. Rasmussen and D. Jelena</i>	SC29. Shear-induced grain boundary dynamics in magnetically actuated colloidal crystals. <i>D. Lobmeyer and S. L. Biswal</i>	
4:35	SM40. Associating polymer features of native cellulose in ionic liquid solutions. <i>D. Parisi, J. Bostwick, N. W. Utomo, R. Wattana, B. Nazari and R. H. Colby</i>	AR31. Determination of the most probable molecular weight distribution function for given dynamic moduli and other linear viscoelastic data using the maximum entropy method. <i>D. W. Mead</i>	AM12. Rheological optimization of high solids loading for additive manufacturing. <i>K. J. Donovan, T. W. Walker and L. J. Groven</i>	IN22. Influence of polymer diffusivity in nanoconfinement on the onset of viscous fingering. <i>T. Kaewpetch, S. Wilson-Whitford, C. Heil, A. Jayaraman and J. F. Gilchrist</i>	SC30. Periodic deformation of semiflexible colloidal filaments in eccentric time-varying magnetic fields. <i>A. S. Spatafora Salazar, L. H. P. Cunha and S. L. Biswal</i>	
5:00	SM41. Retaining structural color in a diblock bottlebrush copolymer solution. <i>M. A. Wade, Y. Kamble, D. Walsh, D. Guirounet and S. A. Rogers</i>	AR32. Validation of the three component model using a newly formulated yield stress model fluid and analytical solution for laminar pipe flow. <i>M. Caggioni, E. Tozzi, J. B. Hipp and W. H. Hartt</i>	AM13. Viscosity and storage modulus recovery of direct ink write polymer inks. <i>E. S. Elton, L. Perez Perez, T. S. Wilson and J. M. Lenhardt</i>	IN23. Elastic turbulence generates anomalous flow resistance in porous media. <i>C. A. Browne and S. S. Datta</i>	SC31. Dynamics of interacting paramagnetic particles with finite magnetic relaxation time in rotating fields. <i>L. Hildebrand Pires da Cunha, F. C. MacKintosh and S. L. Biswal</i>	
5:25		AR33. Spiral mold flow processability characterization of polyethylene. <i>M. Q. Ansari, K. A. Koppi, D. Ramirez, E. Marchbanks, J. Kohn, D. Kababik and R. Schneider</i>	AM14. Inorganic micro-particle transfer from liquid carrier system by dipping. <i>S. N. Shovon, M. I. Khalil, A. I. Alam and B. Khoda</i>	IN24. Transient dynamics of viscoelastic turbulent flows subject to a sudden injection of polymer additives. <i>A. Martinez Ibarra and J. S. Park</i>	SC32. The dynamics in and rheology of dilute suspensions of semi-flexible, 2-D colloids. <i>J. W. Swan and K. Sillmore</i>	
5:50	END					
6:30	POSTER SESSION & RECEPTION Ballroom 1-2-3-4, Pre Function, Tent, until 8:30 pm					
6:30	GALLERY OF RHEOLOGY CONTEST Ballroom Pre Function; Online voting 10 am - 8 pm ET					

Thursday, October 14

Morning

8:30	MP1. Dynamics of physically and chemically reversible polymers. <i>Q. Chen</i> (Metzner Award Presentation) Ballroom 5-6-7
9:10	TRANSITION REMARKS Ballroom 5-6-7
9:20	COFFEE BREAK
9:50	GATHER.TOWN NETWORKING FOR IN-PERSON AND VIRTUAL ATTENDEES Virtual
11:55	END OF MEETING

Pre-Recorded Flash Presentations

Asynchronous Viewing through [Meeting Web App](#)

- VP1.** Re-entrant melting in interpenetrating and interconnected grafted nano cylinders from amphiphilic star block copolymers. *E. Moghimi, I. Chubak, L. Cipelletti, K. Mortensen, C. Likos and D. Vlassopoulos*
- VP2.** Microscopic dynamics and shear rheology of unentangled polymer nanocomposite melts: Simulation and theoretical description. *E. N. Skountzos, K. S. Karadima and V. G. Mavrantzas*
- VP3.** Mechanical degradation of polyacrylamide solutions in nanoparticle suspensions. *A. Mora, J. Avendano, A. Hutin and M. S. Carvalho*
- VP4.** Nonmonotonic variation of terminal relaxation in star-linear blends. *S. Shanbhag*
- VP5.** Can short, unentangled polymers be effective (self)compatibilizers in polymer blends? *A. Bharati, R. Cardinaels and P. Moldenaers*
- VP6.** Use of tailored blend morphologies to obtain electrically conductive composites. *D. Strugova, E. David and N. Demarquette*
- VP7.** Investigation of compatibilization of PE/PP blend by graphene. *S. M. N. Sultana, E. Helal, G. Gutierrez, N. Moghimian, E. David and N. Demarquette*
- VP8.** Die shape optimization for extrudate swell using feedback control. *M. Spanjaards, M. A. Hulsen and P. D. Anderson*
- VP9.** Capillary extrusion of entangled polymer melts at high stress. *S. Cheng, Z. Xu and R. Sun*
- VP10.** Sculpting hydrogels using additive advective processing. *A. V. Bayles, T. Pleij, M. Hofmann and J. Vermant*
- VP11.** Extrudate instabilities in fused filament fabrication additive manufacturing. *Z. Swain and M. E. Mackay*
- VP12.** Molecular view on mechanical reinforcement in polymer nanocomposites: New insights from small-angle neutron scattering. *R. Sun, M. Melton, N. Safaie, R. Ferrier, S. Cheng, Y. Liu, X. Zuo and Y. Wang*
- VP13.** Reprocessable, soft, 3D printable elastomers. *L. Cai*
- VP14.** Probing in-cage particle dynamics in hard sphere glasses with high frequency rheometry. *T. Athanasiou, B. Mei, K. Schweizer and G. Petekidis*
- VP15.** Thixotropy, non-monotonic stress relaxation, and the second law of thermodynamics. *Y. M. Joshi*
- VP16.** Cellulose nano-crystalline (CNC) hydrogels as yield stress fluids (YSFs): Effect of temperature, ultrasonication and concentration. *B. Zakani and D. Grecov*
- VP17.** Elastic storage during flow of yield stress materials. *M. Marchand, M. Caggioni and V. Trappe*
- VP18.** Linear viscoelasticity of associating star polymer networks. *D. M. Robe, G. H. McKinley and J. R. Prakash*
- VP19.** Simulation of rhamnolipids. *J. Antony and E. Mani*
- VP20.** Uses of large amplitude oscillatory shear in food products. *H. S. Joyner*
- VP21.** An application of lubrication theory for the flow of liquid crystals in a slider bearing. *S. Li and G. Dana*
- VP22.** The impact of multiple fluids on the purely-elastic instabilities that arise in a microfluidic flow focusing device. *G. Houston and M. Oliveira*
- VP23.** Characterizing the linear viscoelastic behavior of bimodal polyethylene using their continuous relaxation spectra. *S. Kwakye-Nimo, Y. Yu, Y. Inn and P. Wood-Adams*
- VP24.** Molecular origin of rheological and mechanical properties of well-defined polystyrene POM-POM model systems. *V. Hirschberg, M.-C. Röppert, L. Faust, K. Masood and M. Wilhelm*
- VP25.** The role of hydrodynamics in flowing semidilute solutions of ring/linear polymer blends. *C. E. Sing and C. D. Young*
- VP26.** Rheology of semiflexible polymers in shear flow via Brownian dynamics and quasi-two-parameter theory. *I. M. Pincus, R. Alison and J. R. Prakash*
- VP27.** A two-species model for the rheology of associative polymer solutions from nonequilibrium thermodynamics. *P. S. Stephanou, I. C. Tsimouri and V. G. Mavrantzas*
- VP28.** Charge screening effects on the rheology of polymerized ionic liquid solutions in the semidilute unentangled regime. *A. Matsumoto, R. Yoshizawa, O. Urakawa, T. Inoue and A. Q. Shen*
- VP30.** Melt rupture and wall slip of metallocene-catalyzed bimodal molecular weight distribution polyethylene under simple shear. *M. Sattari, Y. Inn and P. Wood-Adams*

- VP31. Unravelling the transient network topology of hydrophobically associating multiblock copolymers and their resulting elasticity and relaxation times. A. S. Huysecom, W. Thielemans, R. Cardinaels and P. Moldenaers
- VP32. Photopolymerization of methacrylate: From conversion via rheology to mechanical properties. R. Anastasio, W. Peerbooms, N. Steensma, R. Cardinaels and L. van Breemen
- VP33. Understanding the morphology and self-stratification in multiphase polymer colloidal films. P. K. Singh, M. L. Pacholski, J. Gu, G. Singhal, Y. Go, C. Leal, P. V. Braun, K. Patankar, R. Drumright, S. A. Rogers and C. M. Schroeder
- VP34. Protocol-agnostic material functions and more accurate flow diagnostics based on recoverable strain measurements. P. K. Singh, J. C. Lee, K. Patankar and S. A. Rogers
- VP35. On simultaneous fitting of nonlinear and linear rheology data: Preventing a false sense of certainty. P. K. Singh and R. H. Ewoldt
- VP36. Impact of various environmental chemical conditions on the rheological behaviour of a system of mixed clay gels using response surface methodology. C. Boulet, A. Brown, C. Formstone and D. Aarts
- VP37. Relating photovoltaic module stresses to encapsulant thermomechanics. C. C. Roberts, A. M. Maes, A. McMaster, M. R. Phillips, R. D. Charles and J. Y. Hartley
- VP38. Extensional rheology and pinching dynamics of associative polysaccharide solutions. X. Lu, C. Martíne, J. Dinic, C. Wang, H. Sun, B. Rearick and V. Sharma
- VP39. Calculation method for the relaxation time spectra of viscoelastic fluids using dynamic moduli. L. E. Hamel Ascanio and S. D. Rosales-Anzola
- VP40. The rheology of methane and carbon dioxide hydrates at extreme high pressures. A. Guerra and A. D. Rey
- VP41. Interplay of inertia and stress diffusion in shear flows of viscoelastic fluids. S. Sharma, Y. M. Joshi and V. Shankar
- VP42. Effect of MW, concentration and anionicity on the linear and non-linear viscoelastic properties of high performance EOR polymers. M. S. Azad
- VP43. The effect of rheological properties on pyroelectrodynamics jets. D. Tammaro, R. Rega, S. Itri, V. Tkachenko, V. Vespini, S. Coppola, P. Ferraro, G. D'Avino, S. Grilli and P. L. Maffettone
- VP44. Koopman with control for constitutive law identification. E. J. Southern and E. E. Keaveny
- VP45. Development of a lab simulation process to evaluate melt fracture of underwater pelletized polymer. Y. Jin, D. Reuschle, T. Gambrel, J. den Doelder, J. Van Leeuwen and A. Inthurn
- VP46. Advances in rheo-optical methods. J. Laeuger
- VP47. Non-linear transient stretching and relaxation of highly deformed vesicles reveals a deflation-dependent bending modulus. C. M. Schroeder and D. Kumar
- VP48. Saliva rheology and its effect on aerosol generation during sneezing. M. Rodriguez Hakim, L. Rüz and J. Vermant
- VP49. Spinning a yarn of the molecular rheology of natural silk spinning: Sticky reptation in extensional flow. C. Schaefer and T. C. McLeish
- VP50. Rheology and direct write printing of chitosan - graphene oxide nanocomposite hydrogels for differentiation of neuroblastoma cells. P. Thareja
- VP51. Diffusion of proteins in the continuous phase of block polymer liquid crystals. C. S. Valentine and L. M. Walker
- VP52. Millifluidic bulge test reveals local and bulk mechanical properties of engineered biofilms. P. K. Chittur, H. Liu, D. A. Tirrell and J. A. Kornfield
- VP53. Mechanical pre-metastatic lung terraforming by breast cancer-derived extracellular vesicles. D. Weihs, T. Barenholz-Cohen, Y. Merkher, D. Shechter, J. Haj, D. Kirchmeier and Y. Shaked
- VP54. Determining the yield stress of a biopolymer-bound soil composite for extrusion-based 3D printing applications. A. O. Biggerstaff, G. G. Fuller, M. D. Lepech and D. J. Loftus
- VP55. Physical aging in chocolate subsequent to thermal and mechanical rejuvenation. T. Bhattacharyya and Y. M. Joshi
- VP56. Drying-induced stratification in complex mixes of dairy proteins. L. Lanotte, M. Yu, C. Le Floch-Fouéré, F. Boissel, L. Pauchard, A. Saint-Jalmes and R. Jeantet
- VP57. Application of high pressure shear rheology to assess CO₂ gas bubble nucleating proficiency of native starch particles and dispersed proteins. J. I. Zink and E. J. Windhab
- VP58. Propagating high stress fronts responsible for shear thickening in a cornstarch suspension. V. Rathee, J. Miller, D. L. Blair and J. S. Urbach
- VP59. Extensional stress-relaxation measurements on wheat flour dough – The key to finalizing the Fractional K-BKZ framework? Y. Meeus, M. Meerts, D. Szilvási, G. H. McKinley, R. Cardinaels and P. Moldenaers
- VP60. Colloidal gelation in foam: Probing the impact of elastic continuous phases on foam mechanics. A. Mikhailovskaya, V. Trappe and A. Salonen
- VP61. Delayed elastic and ageing creep response of foams. F. A. Lavergne, P. Sollich and V. Trappe
- VP62. An essential factor of perfluoroalkyl surfactant attributing to efficacy in firefighting foams. A. Banerjee and Y. Liu
- VP63. Simulating foam and bubble suspensions using an extended Stokesian dynamics approach with bubble interaction. E. J. Rosenbaum, M. Massoudi and K. Dayal
- VP64. Controlling the morphology of polymeric foams: An experimental and numerical investigation. D. Tammaro, M. M. Villone, G. D'Avino and P. L. Maffettone
- VP65. Nanometric sized ions as foam Stabilizers. P. Bauduin, M. Hohenschutz, O. Diat, P. Schmid, L. Girard, C. Dewhurst and I. Grillo
- VP66. Foam coarsening under steady shear: Interplay between bubble rearrangement and film thinning dynamics. A. Saint-Jalmes and C. Trégouet
- VP67. Evaporation and atomization of ultra-stable emulsion droplets. P. Rastogi, B. Krishan, D. C. K. Rao, S. Basu, N. S. Kaisare and B. M. Gurappa
- VP68. Microstructure and interfacial rheology of ellipsoids at interfaces - Role of surface modification. H. Kumar and B. M. Gurappa
- VP69. Structure-rheology relationship of β -lactoglobulin's quaternary structure through interfacial rheology. S. Ramamirtham, C. P. Whitby, D. Zare, M. Weeks and M. A. Williams
- VP70. Effect of aromatic and non-aromatic solvents in the interfacial viscoelasticity of Brazilian asphaltene. I. F. Soares, E. Marín, J. Limberger and M. F. Naccache
- VP71. Drag on a spherical particle at the air-liquid interface: Interplay between compressibility, Marangoni flow and surface viscosities. M. Pourali, M. Kröger, J. Vermant, P. D. Anderson and N. O. Jaensson
- VP72. Super resolution microscopy to study rheological transitions during egg-white cooking. J. C. Bonilla and M. P. Clausen
- VP73. Colloid-polymer mixtures revisited: Assessing the role of macromolecular depletant. E. Moghimi, K. Parvin, D. Parisi and D. Vlassopoulos
- VP74. Evaporative shape transformations in polymeric sessile droplets. J. R. Belanger
- VP75. Influence of surface roughness on the yielding of thermo-reversible colloidal gels. F. J. Müller and J. Vermant
- VP76. Assessing rheological properties of highly-filled polymers for material extrusion additive manufacturing of metallic parts. S. Ancé, J. Soulestin, V. Demers and N. Demarquette
- VP77. Active particles in external fields. V. A. Shaik and G. J. Elfring
- VP78. On the inverse quenching technique applied to gelatin solutions. P. R. Avallone, R. Pasquino, S. Costanzo, A. Sarrica, M. Delmonte, F. Greco and N. Grizzuti
- VP79. Nonlinear shear rheometry of unentangled polymers. S. Costanzo, K. Peponaki, S. Alexandris, D. Parisi, N. Grizzuti and D. Vlassopoulos
- VP80. Determination of the molecular weight distribution of ultra-high molecular weight polyethylene from solution rheology. V. Ianniello, S. Costanzo, R. Pasquino, G. Ianniruberto, T. Tervoort and N. Grizzuti

- VP81. Frequency dependence and critical transition can be induced by a negligible Van der Waals force in non-Brownian Newtonian suspensions. *Z. Ge, R. Martone, L. Brandt and M. Minale*
- VP82. Mechanical and structural analysis of channel networks in bacterial biofilms. *S. Geisel, E. Secchi and J. Vermant*
- VP83. Entrance flow of unfoamed and foamed Herschel-Bulkley fluids. *K. S. Mishra, L. Grob, L. Kohler, S. Zimmermann, S. Gstöhl, P. Fischer and E. J. Windhab*
- VP84. Interfacial rheology of phospholipid monolayers. *D. Renggli and J. Vermant*
- VP85. Fast flows on linear and branched wormlike micelles. *M. Tonti, S. Costanzo, G. Ianniruberto, N. Grizzuti and R. Pasquino*
- VP86. A numerical study of extensional flow-induced crystallization in filament stretching rheometry. *P. D. Anderson, F. van Berlo, G. Peters and R. Cardinaels*
- VP87. Lubricant effect of graphene in polystyrene. *J. Genover, C. Dufour, E. Helal, G. Gutierrez, N. Moghimian, E. David and N. Demarquette*
- VP88. Ultrasonic dispersion and time evolution of concentrated cellulose nanocrystal suspensions characterized by rheology. *M. Girard, F. Bertrand, J. R. Tavares and M.-C. Heuzey*
- VP89. Rheological implications of pH induced particle-particle association in aqueous suspension of an anisotropic charged clay. *M. Shoaib and E. Bobicki*
- VP90. Alteration of soft glassy dynamics in aqueous suspensions of an anisotropic charged swelling clay through pH changes. *M. Shoaib and E. Bobicki*
- VP91. Yielding of model viscoplastic interfaces in shear and compression: Landmark observations and constitutive modelling. *A. Aliche, T. Tervoort and J. Vermant*
- VP92. Droplet-based microfluidic tool to quantify viscosity of concentrating multicomponent protein solutions. *D. Yang and L. M. Walker*
- VP93. Processing irreversibly adsorbed, solvent-responsive nanoparticles at the oil-water interface. *M. L. Davidson, J. Ma and L. M. Walker*
- VP100. Effect of specific surface area on the rheology of graphene nanoplatelet-filled PEO composites. *H. Haridas and M. Kontopoulou*
- VP101. Pickering interfacial photocatalysis of o-Xylene. *N. C. Maji, N. S. Kaisare and B. M. Gurappa*
- VP102. Analytical modeling of interfacial diffusion for symmetric bilayer entangled polymer films. *A. Dousti and E. Behzadfar*

Poster Session

Wednesday, October 13 6:30 PM – 8:30 PM Ballroom 1, 2, 3 and 4

- PO1. Helical locomotion in yield stress fluids. *F. Nazari and H. Mohammadigoushki*
- PO2. Can micro-pillared surfaces affect the viscoelasticity and attachment strength of *Pseudomonas aeruginosa* biofilms? *B. Bhattarai and G. F. Christopher*
- PO3. Rheological characterization of *Candida albicans* fungal biofilms. *J. K. Beckwith, M. Ganesan, J. S. VanEpps, A. Kumar and M. J. Solomon*
- PO4. Surface layer and bulk viscoelasticity of human airway mucus. *S. Danielsen and M. Rubinstein*
- PO5. Biomass microbeads as sustainable rheological modifiers for personal care consumer products. *B. P. Robertson and M. A. Calabrese*
- PO6. Using bi-disperse microrheology to measure human mesenchymal stem cell remodeling of hydrogels on multiple length scales. *J. A. McGlynn and K. M. Schultz*
- PO7. Earwax deters crawling insects and aids in self-cleaning. *D. S. Ancalle, C. L. Finn, N. Jiang, J. Walter, R. Zhang and D. L. Hu*
- PO8. Rheological characterization of electrosprayed inulin-poly(vinyl) alcohol microparticle suspensions for therapeutic applications. *K. T. Saud, M. J. Solomon, J. Xu and J. J. Moon*
- PO9. Tuning the extent of protein and biofilm deposition on surfaces with liquid layers. *C. K. Fong, M. Andersen, A. Flores-Mireles and C. Howell*
- PO10. Immiscible liquid-coated materials for bioseparations. *J. Hardcastle, D. P. Regan, C. K. Fong, R. Shah, S.-H. Hung, A. Cihanoglu, J. D. Schiffman and C. Howell*
- PO11. Fabrication of vascularized polymers with fugitive ink 3D printing. *B. Dixon and C. Howell*
- PO12. No sagging, no cry. *C. Saengow, S. Aboutaleb, N. Haug, A. J. Wagoner Johnson and R. H. Ewoldt*
- PO13. Coalescence of passively trapped droplets in a microfluidic device with and without confinement. *C. Panigrahi and C. Dutcher*
- PO14. Simultaneous characterization of thermophoresis and fluid properties using multiple particle tracking microrheology. *M. C. Roffin, X. Cheng, K. M. Schultz and J. F. Gilchrist*
- PO15. The rheology of methane and carbon dioxide hydrates at extreme high pressures. *G. Andre, A. D. Rey, M. Maric and P. Servio*
- PO16. Use of thermal analysis and rheometry to study the properties of crude oil. *K. J. Whitcomb and Y. Adhia*
- PO17. Exploring secondary flows while building high-fidelity tools for complex viscoelastic behavior in precision manufacturing. *L. T. Holmes and R. B. Secor*
- PO18. Elastic instabilities in confined geometries. *M. Kumar and A. M. Ardekani*
- PO19. Oreology: Fracture and flow of “milk’s favorite cookie”. *C. E. Owens, M. R. Fan, A. J. Hart and G. H. McKinley*
- PO20. Shear banding and wall slip in polymer wormlike micelles. *P. J. McCauley, L. H. Pham, S. Kumar and M. A. Calabrese*
- PO21. Shear banding in poloxamer wormlike micelles (WLMs) with slow dynamics. *C. Huang, P. J. McCauley and M. A. Calabrese*
- PO22. Droplet-on-fiber: Rheological assessment. *A. L. Co, M. Mueth, B. Khoda and K. Tilbury*
- PO23. Introducing the role of brittleness to the soft materials. *K. M. Kamani and S. A. Rogers*
- PO24. Measurement and prediction of oozing in PSAs. *S. Lalitha Sridhar, V. Pandey and Z. Zhao*
- PO25. Characterizing rheological behavior of dispersions and paints using Orthogonal Superposition. *E. Akbari and S. Cotts*
- PO26. Characterizing yield using Orthogonal Superposition under controlled shear stress. *S. Cotts*
- PO27. Temperature controlled droplet-based extensional rheometry for characterizing thermoresponsive materials. *D. Y. Zhang and M. A. Calabrese*
- PO28. Improving analysis methods for Dripping-onto-Substrate (DoS) extensional rheology measurements. *K. T. Lauser, M. A. Calabrese and D. Y. Zhang*
- PO29. Tandem NIR/rheo cure monitoring of chemical conversion and rheology. *S. V. Barancyk and M. J. DiTucci*
- PO30. High temperature dynamic mechanical analysis of glass and damascene steel in flexure mode up to 950 °C. *M. Walluch, D. Ehgartner, A. Shetty, C. Giehl and D. Schuetz*
- PO31. Shear cessation in the pre-yielding and post-yielding of dense soft solids. *V. HA, D. Gavin, V. V. Vasisht and E. Del Gado*
- PO32. On extrapolation of dynamic data to obtain the limiting steady-state compliance. *M. T. Shaw and R. A. Weiss*
- PO33. Time-resolved microstructural changes and macroscopic sequence of physical processes in large amplitude oscillatory shear of model soft gels. *G. J. Donley, M. Bantawa and E. Del Gado*
- PO34. Comparison of sequence of physical processes and Chebyshev decomposition methods to evaluate and interpret large amplitude oscillatory shear (LAOS) response of hard, soft and semolina flour dough. *M. Yildirim and J. Kokini*
- PO35. How to make medium-amplitude oscillatory shear stress (MAOStress) measurements. *N. Ramlawi, T. Hossain, A. Shetty and R. H. Ewoldt*
- PO36. Protorheology: Visual evidence and inference. *T. Hossain and R. H. Ewoldt*
- PO37. Psychorheology through transient recovery rheology: Importance of timescales. *E. M. Burgess, J. Martin and S. A. Rogers*
- PO38. A complete rheological formalism built on the concept of recovery. *J. Shi and S. A. Rogers*
- PO39. Automatic construction of rheological master curves. *K. R. Lennon, G. H. McKinley and J. W. Swan*

- PO40.** Kinetics of solvation using Time Dissolution Evolution (TiDE) rheometry. *C. E. Owens, J. Du, P. Sanchez, A. J. Hart and G. H. McKinley*
- PO41.** Quantifying thixotropy using step-rate tests and kinetic structure-based constitutive modeling. *S. Sen, X. Lu, C. Wang and R. H. Ewoldt*
- PO42.** Creeping flows of smooth and rough colloids. *Y. C. Saraswat and L. C. Hsiao*
- PO43.** Extensional rheology of colloid-polymer mixtures with depletion attractions. *D. D. Soetrisno, M. J. Gallegos, N. Park and J. C. Conrad*
- PO44.** Probing plastic rearrangements in colloidal gels during creep. *P. Lehericey, L. Stricker, L. Isa and J. Vermant*
- PO45.** Time dependent rheological behavior of particulate suspensions: Portland cement vs silicon carbide. *B. Y. Onanuga, E. J. Garboczi, N. Moser and J. J. Biernacki*
- PO46.** Characterization of powders from non-cohesive to cohesive through rheological means. *J. P. Eickhoff*
- PO48.** Rheological signatures in colloidal gels of oppositely charged particles. *D. R. Khakal, A. P. Deshpande and B. G. Madivala*
- PO49.** Impact of silica nanorod concentration on the nonlinear rheology of aqueous poly(acrylamide)-nanoparticle suspensions. *C. A. Neal, V. Leon, M. C. Quan, N. Chibambo and M. A. Calabrese*
- PO50.** Rheological characterization of high-solids, drilling fluids by flow loop. *B. A. Appleby, J. Yu and J. R. Samaniuk*
- PO51.** Dynamic magnetochromatic response of concentrated suspensions of Janus particles. *J. Gao, S. Wilson-Whitford and J. F. Gilchrist*
- PO52.** Study of the depletant concentration on the rheology of concentrated nanoemulsion. *Z. Abbasian Chaleshtari, H. Salimi-kenari and R. Foudazi*
- PO53.** Drainage via stratification in micellar foam films. *X. Chenxian, Z. Yiran, K. I. Subinur, O. Chrystian and S. Vivek*
- PO54.** Normal stresses at the yielding point. *P. R. de Souza Mendes, T. N. Rochinha and P. R. Varges*
- PO55.** Poroelasticity of confined hydrogel films. *G. D. Degen and A. A. Pitenis*
- PO56.** Exploration of slide-ring gelation kinetics using rheology. *K. Dikshit and C. J. Bruns*
- PO57.** Modulating the rheology of collagen-based hydrogels using morphology-controlled tannic acid particles. *P. Sarker, O. J. Rojas and S. A. Khan*
- PO58.** Tuning rheological and structural transitions in ABA/BAB poloxamer hydrogels. *J. M. White and M. A. Calabrese*
- PO59.** Rheological properties of phase transitions in polydisperse and monodisperse colloidal rod systems. *S. He, D. R. Pascucci, M. Caggioni, S. Lindberg and K. M. Schultz*
- PO60.** Magneto-rheological studies on the role of hydration in anomalous magnetically-induced block copolymer ordering. *G. V. Kresge and M. A. Calabrese*
- PO61.** Role of glass fiber on the crystallization of poly(ether ether ketone). *J. D. Alexander, X. Zhang, J. Seo, R. P. Schaake, A. M. Rhoades and R. H. Colby*
- PO64.** Dynamics of entangled linear polymers at fast deformations: Influence of matrix viscoelasticity. *H. Taghipour, L. Hawke, D. Vlassopoulos and E. van Ruyambeke*
- PO65.** Interfacially compatibilized PI/PDMS blends with reduced octadecylamine-functionalized graphene oxide. *J. Nasrollah Gavvani, F. Goharpey and S. Velankar*
- PO66.** Relaxation dynamics of polyelectrolyte solutions. *A. Han and R. H. Colby*
- PO67.** Rheology of an associating polymer solution: Poly(vinyl alcohol) in water. *C. D. D'Amico, D. Parisi, S. Lindberg, M. W. Hamersky and R. H. Colby*
- PO68.** "Tying the knot", enhanced recycling through ultra-fast entangling across ultra-high molecular weight polyethylene interfaces. *F. Christakopoulos, E. M. Troisi, N. Friederichs, J. Vermant and T.ervoort*
- PO69.** Crosslinking poly(acrylamide-co-diallyldimethylammonium chloride) membrane with glutaraldehyde for fuel cell application. *U. Asogwa and M. W. Liberatore*
- PO70.** Extensional rheology, pinching dynamics, and processability of polymer solutions. *C. Martinez and V. Sharma*

Gallery of Rheology

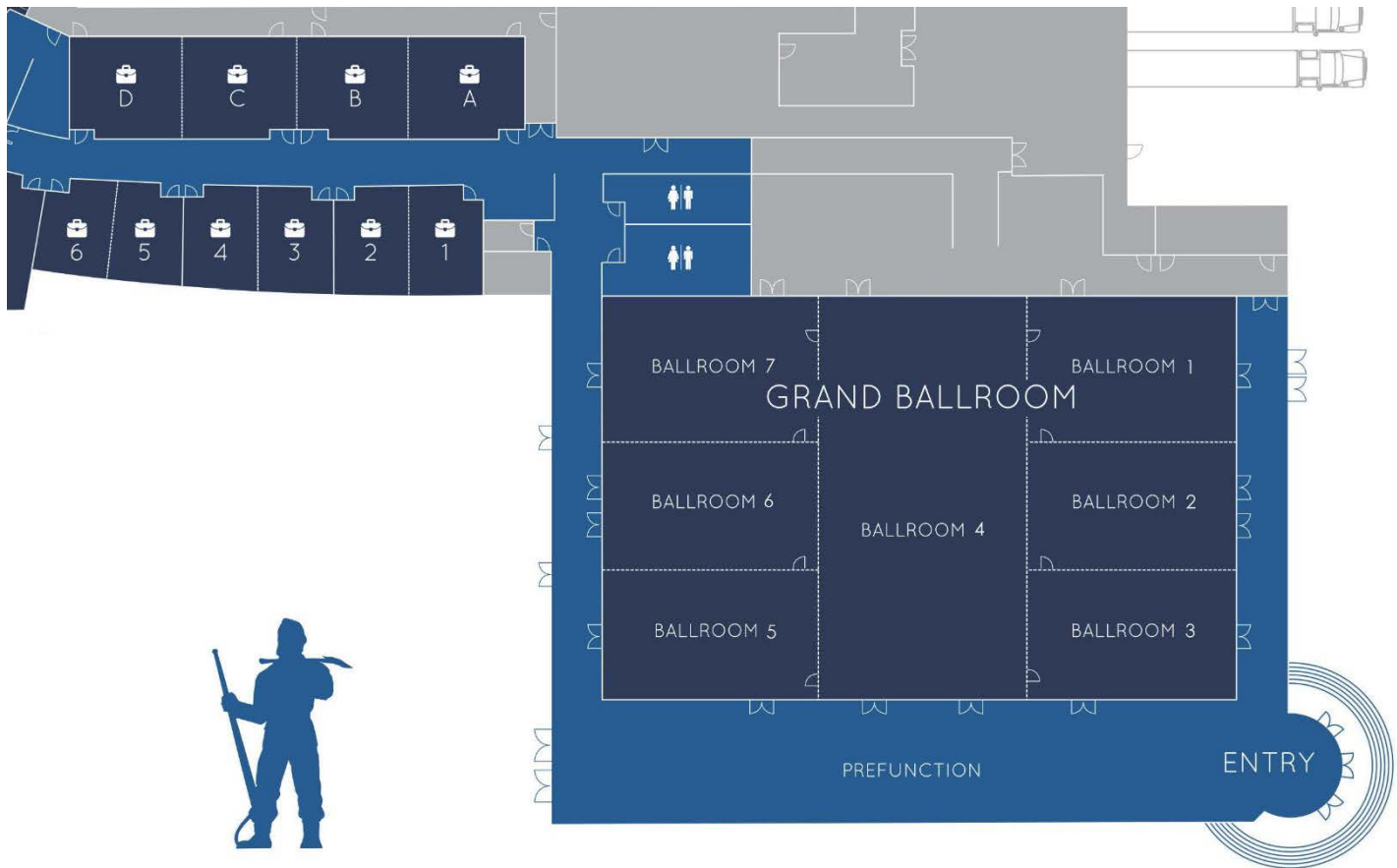
Preview: Starts Monday 1:30 PM at Ballroom Pre Function and on [Meeting Web App](#)

Contest: Wednesday 6:30 PM – 8:30 PM (Online voting 10:00 AM – 8:00 PM ET) at Ballroom Pre Function

- GR1.** Axisymmetric numerical simulations of viscoelastic jet thinning and breakup. *K. Zinelis, T. Abadie, G. H. McKinley and O. K. Matar*
- GR2.** Starry starry spherulite. *K. D. Migler, D. E. Huang and A. Kotula*
- GR3.** Patterns of fluorescent quantum dots in polymerizing polymer beads passing through regular arrays of micro tubes under UV radiation. *B. Iurii, A. P. Udepurkar, S. Kuhn and C. Clasen*
- GR4.** NanoAmazon: Tropical rainforest of Brazilian asphaltene. *I. F. Soares, E. M. Castaño and M. F. Naccache*
- GR5.** Rolling around a spinning top. *B. Keshavarz and M. Geri*
- GR6.** Reawakening. *A. S. Ylitalo and J. A. Kornfield*
- GR7.** Emerging patterns in polymers. *T. Bello and P. T. Underhill*
- GR8.** Rheological petals. *F. Albreiki, A. Kubinski and V. Sharma*
- GR9.** Transition to turbulence in planar jets: Small amounts of polymer destabilize the flow. *S. Yamanidouziorkhabi, Y. Raj, G. H. McKinley and I. Bischofberger*
- GR10.** Interfacial rheology and thin liquid films. *A. Aliche and J. Vermant*
- GR11.** Binary colloidal gel network. *J. H. Cho and I. Bischofberger*
- GR12.** Thread of life: Death and rebirth of a cotton thread. *C. E. Owens, J. Du, A. J. Hart and G. H. McKinley*

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Cross Insurance Center Meeting Space



Social Program and Special Events

Sunday, October 10	Rheology Research Symposium (continued from Saturday, October 9)	
	Welcoming Reception 6:00 PM – 8:00 PM <i>Sponsored by TA Instruments</i>	Ballroom 2-3, Pre Function, Tent
Monday, October 11	Monday Boxed Lunch 11:55 AM – 1:30 PM	Ballroom 2-3, Pre Function, Tent
	Student-Industry Forum 12:15 PM – 1:15 PM	Virtual
	Gallery of Rheology Preview 1:30 PM – Wed 4:00 PM Asynchronous Viewing	Ballroom Pre Function Meeting Web App
	Student Trivia Night 7:00 PM – 8:30 PM	Sea Dog Brewing Co.
Tuesday, October 12	Society Business Meeting 12:00 PM – 1:30 PM	Ballroom 2 and 3
	Awards Reception 6:00 PM – 7:00 PM	Ballroom Pre Function, Tent
	Awards Banquet 7:00 PM	Ballroom 1, 2 and 3
Wednesday, October 13	Poster Session and Reception 6:30 PM – 8:30 PM <i>Reception sponsored by Anton-Paar USA</i>	Ballroom 1-2-3-4, Pre Function, Tent
	Gallery of Rheology Contest 6:30 PM – 8:30 PM Online voting 10 AM – 8 PM ET	Ballroom Pre Function

The Society of Rheology gratefully acknowledges the generous support of Anton-Paar USA, TA Instruments and Department of Chemical & Biomedical Engineering, University of Maine.