

The Society of Rheology 84th Annual Meeting Pasadena Convention Center, Pasadena, California

Meeting Schedule

Monday, February 11, 2013

	<i>C106</i>	<i>C107</i>	<i>C101</i>	<i>C105</i>
8:30		C. F. Zukoski (PL1) - <i>C102</i>		
9:20		Coffee Break		
10:00	SC1	PS1	BC1	EF1
10:25	SC2	PS2	BC2	EF2
10:50	SC3	PS3	BC3	EF3
11:15	SC4	PS4	BC4	EF4
11:40	SC5	PS5	BC5	EF5
12:05		Lunch Break		
1:30	SC6	PS6	BC6	EF6
1:55	SC7	PS7	BC7	EF7
2:20	SC8	PS8	BC8	EF8
2:45	SC9	PS9	BC9	EF9
3:10		Coffee Break		
3:35	SC10	EM1	BC10	EF10
4:00	SC11	EM2	BC11	EF11
4:25	SC12	EM3	BC12	EF12
4:50	SC13	EM4	BC13	EF13
5:15	SC14	EM5	BC14	EF14
5:40		End		

Tuesday, February 12, 2013

	<i>C106</i>	<i>C107</i>	<i>C101</i>	<i>C105</i>
8:30		R. H. Colby (PL2) - <i>C102</i>		
9:20		Coffee Break		
10:00	SC15	EM6	SA1	EF15
10:25	SC16	EM7	SA2	EF16
10:50	SC17	EM8	SA3	EF17
11:15	SC18	EM9	SA4	EF18
11:40	SC19	EM10	SA5	EF19
12:05		Lunch Break / Society Business Meeting		
1:30	SC20	PS10	SA6	SG1
1:55	SC21	PS11	SA7	SG2
2:20	SC22	PS12	SA8	SG3
2:45	SC23	PS13	SA9	SG4
3:10		Coffee Break		
3:35	SC24	PS14	SA10	SG5
4:00	SC25	PS15	SA11	SG6
4:25	SC26	PS16	SA12	SG7
4:50	SC27	PS17	SA13	SG8
5:15	SC28	PS18	SA14	SG9
5:40		End		
7:00		Awards Reception		
8:00		Awards Banquet		

Wednesday, February 13, 2013

	<i>C106</i>	<i>C107</i>	<i>C101</i>	<i>C105</i>
8:30		M. D. Graham (PL3) - <i>C102</i>		
9:20		Coffee Break		
10:00	SC29	PS19	SA15	BS1
10:25	SC30	PS20	SA16	BS2
10:50	SC31	PS21	SA17	BS3
11:15	SC32	PS22	SA18	BS4
11:40	SC33	PS23	SA19	BS5
12:05		Lunch Break		
1:30	SC34	PS24	SA20	BS6
1:55	SC35	PS25	SA21	BS7
2:20	SC36	PS26	SA22	BS8
2:45	SC37	PS27	SA23	BS9
3:10		Coffee Break		
3:35	SC38	PS28	SA24	BS10
4:00	SC39	PS29	SA25	BS11
4:25	SC40	PS30	SA26	BS12
4:50	SC41	PS31	SA27	BS13
5:15		End		
5:30		Poster Session & Reception		

Thursday, February 14, 2013

	<i>C106</i>	<i>C107</i>	<i>C101</i>	<i>C105</i>
8:00		C. M. Schroeder (AP1) - <i>C106</i>		
8:40	SC42	PS32	SA28	BS14
9:05	SC43	PS33	SA29	BS15
9:30	SC44	PS34	SA30	BS16
9:55		Coffee Break		
10:25	SC45	PS35	SA31	BS17
10:50	SC46	PS36	SA32	BS18
11:15	SC47	PS37	SA33	BS19
11:40	SC48	PS38	SA34	BS20
12:05	SC49	PS39	SA35	BS21
12:30		End		

Session and Room Codes

AP = Award Presentations
 BC = Blends and Composites
 BS = Rheology in Biological Systems
 EF = Emulsions, Foams and Interfacial Rheology
 EM = Electric and Magnetic Field Effects in Rheology
 PL = Plenary Lectures
 PS = Polymer Solutions and Melts

SA = Self-Assembling, Associating and Gel-Like Systems
 SC = Suspensions and Colloids
 SG = Solids and Glasses

C101 = Room C101
C102 = Rooms C102-C104
C105 = Room C105
C106 = Room C106
C107 = Room C107
 CCLL = Conference Center Lower Level

Monday, February 11

Morning

8:30 **PL1.** Rheological consequences of localization. *C. F. Zukoski* C102-C104

9:20 COFFEE BREAK

	C106	C107	C101	C105
	Suspensions and Colloids	Polymer Solutions and Melts	Blends and Composites	Emulsions, Foams & Interfacial Rheology
10:00	SC1. Shear-induced aggregation and orientation of particles in a polymer solution: Formation and evolution of microstructure. <i>E. C. Peterson and V. Breedveld</i>	PS1. Emerging signs calling for a different framework for nonlinear rheology of entangled polymers. <i>S.-Q. Wang, Y. Wang, S. Cheng, Y. Lu, H. Wang, Z.-G. Wang and L. An</i>	BC1. Effect of carbon nano-tubes on the rheological properties of polymer nano-composites: A comparison between different nano-particle shapes. <i>H. Mahi and D. Rodrigue</i>	EF1. Equilibrium and dynamic surface properties of poly(ethylene oxide) based homopolymers and block copolymers. <i>Z. A. Zell, G. Leal and T. M. Squires</i>
10:25	SC2. Non-linear structure response of liquid state colloidal suspensions under oscillatory shear. <i>N. Y. Lin, S. Goyal, X. Cheng, R. Zia, F. Escobedo and I. Cohen</i>	PS2. Assumptions in entanglement models and their effect on non-linear rheology predictions. <i>M. Andreev, J. D. Schieber and R. Steenbakkens</i>	BC2. Wrinkling instabilities in polymer-supported nanotube films: Mitigating van der Waals attraction through excluded-volume interactions. <i>J. M. Harris, M. R. Semler, E. K. Hobbie, J. A. Fagan, J. Y. Huh and C. M. Stafford</i>	EF2. Comprehensive analysis of surfactant-biofilm interactions. <i>C. F. Wu, J. Y. Lim, L. Cegelski and G. G. Fuller</i>
10:50	SC3. Structure and rheology of vorticity-aligned string phase in sheared colloidal suspensions. <i>X. Cheng, N. Y. Lin and I. Cohen</i>	PS3. From non-Gaussian chain stretching to real “shear hardening” in simple shear of branched polystyrene solutions. <i>G. Liu, H. Lee, S. Cheng, H. Ma, R. Quirk, T. Chang and S.-Q. Wang</i>	BC3. Electrically percolating clusters in sheared carbon nanotube composites. <i>D. Moon, J. Obrzut, J. F. Douglas, T. Lam, R. Sharma, J. Liddle and K. B. Migler</i>	EF3. Unusual surface mechanical properties of poly(α -methylstyrene): Surface softening and stiffening at different temperatures. <i>T. B. Karim and G. B. McKenna</i>
11:15	SC4. Suspension structure visualization in simple and complex flows. <i>J. F. Gilchrist, T. Perera and B. Xu</i>	PS4. Tube models for branched polymers: Revisiting the “simple” case of star/linear blends. <i>P. S. Desai and R. G. Larson</i>	BC4. Shear and extensional flow-induced particle orientation in a polypropylene/clay nanocomposite. <i>W. R. Burghardt and E. M. McCready</i>	EF4. Producing high melt strength long-chain branched polylactide (PLA) for foaming. <i>N. Najafi, M.-C. Heuzey, P. Carreau and D. Therriault</i>
11:40	SC5. Phase separating mixtures of colloidal rods and spheres in shear flow. <i>D. Guu and P. Lettinga</i>	PS5. Particle tracking velocimetry of polybutadiene mixtures under nonlinear viscoelastic shear flows. <i>Y. Li, M. Hu, G. B. McKenna, C. J. Dimitriou, R. M. Mick, D. C. Venerus, H. Wang and L. Archer</i>	BC5. Rheology of the dispersed conductive filler, graphene nanowire, with poly vinylidene fluoride (PVDF) composite as a stress and strain sensing material. <i>B. E. Berwald and L. Rakesh</i>	EF5. Development of an engineering model to describe polyurethane foam expansion and cure. <i>L. A. Mondy, R. R. Rao, M. C. Celina, J. M. Kropka, E. M. Russick, N. B. Wyatt and B. Shelden</i>
12:05			LUNCH BREAK	

Afternoon

	C106	C107	C101	C105
	Suspensions and Colloids	Polymer Solutions and Melts	Blends and Composites	Emulsions, Foams & Interfacial Rheology
1:30	SC6. Particle alignment in sheared viscoelastic fluids: Novel experimental results. <i>S. M. Van Loon, J. Vermant and C. Clasen</i>	PS6. Modelling flow-induced crystallisation in polymer melts: Crossing length-scales and modelling approaches. <i>R. S. Graham</i>	BC6. Tethered nanoparticle-polymer composites: Structure, dynamics and rheology. <i>S. Srivastava and L. Archer</i>	EF6. Response of capillary suspensions to external deformations. <i>E. Koos, W. Kannowade and N. Willenbacher</i>
1:55	SC7. Hydrocluster formation in colloidal suspensions: A mesoscale simulation study. <i>S. Jamali, M. Yamanoi and J. M. Maia</i>	PS7. Rheology during structure formation in polypropylene. <i>P. C. Roozmond, Z. Ma and G. Peters</i>	BC7. Effect on the drainage time of polymer-coated janus gold nanoparticles compatibilizing immiscible polymer blends. <i>C. Vannozzi</i>	EF7. Rheology and structure of ternary fluid/fluid/particle systems. <i>S. S. Velankar and S. P. Nagarkar</i>

- 2:20 **SC8.** Shear-induced diffusion in suspensions of curved fibers. J. Wang, E. J. Tozzi, M. D. Graham and D. J. Klingenberg
- 2:45 **SC9.** Microstructure and rheology of suspensions at finite inertia. H. Haddadi and J. Morris
- 3:10
- 3:35 **SC10.** Flow of biomass undergoing enzymatic hydrolysis. E. J. Tozzi, D. M. Lavenson, M. Cardona, N. Karuna, T. Jeoh, P. A. Skovgaard, H. Jorgensen, R. L. Powell and M. J. McCarthy
- 4:00 **SC11.** Comparing responses of different stiff particles using LAOS in combination with in situ time-resolved SANS. P. Lettinga, S. A. Rogers and J. Kohlbrecher
- 4:25 **SC12.** Response of an elastoviscoplastic material to oscillatory shear flow in the parallel plate and cylindrical Couette geometries. J. J. Stickel, J. S. Knutsen and M. W. Liberatore
- 4:50 **SC13.** A quantitative instantaneous approach to analyzing data from LAOS: Theory and applications. S. A. Rogers
- 5:15 **SC14.** Structure and flow behavior of cubic nanoparticle suspensions. R. K. Mallavajula, D. L. Koch and L. Archer
- 5:40
- PS8.** Melt fracture and wall slip of metallocene-catalyzed bimodal polyethylenes in capillary flow. Y. Inn
- PS9.** Analysis of forcespinning method of producing nanofibers at high throughput. S. M. Taghavi, S. Padron, K. Lozano and R. G. Larson
- COFFEE BREAK
- Electric and Magnetic Field Effects**
- EM1.** The bulk electroviscous effect. A. S. Khair and A. G. Star
- EM2.** Electrohydrodynamic instabilities in thin viscoelastic films: AC and DC fields. L. Espin, A. J. Corbett and S. Kumar
- EM3.** Rheology and structure of magnetic colloidal liquid crystal composites. H. Diestra-Cruz, C. Rinaldi and A. Acevedo
- EM4.** Design of integrated electrorheological (ER) valves. A. Helal, M. Telleria, J. Wang, B. Qian, M. Strauss, M. Murphy, A. Hosoi and G. H. McKinley
- EM5.** Magnetic fluids and magnetization relaxation equations. P. N. Kaloni
- BC8.** The effects of low level silanization on the rheology and microstructure of silica / PEG nanocomposite melts. M. Ranka and C. Zukoski
- BC9.** Comparison of diffusion models for fiber-fiber interactions within fiber-filled thermoplastics using bulk mechanical stiffness results. B. Lewis and D. A. Jack
- BC10.** Can only rheology be used to determine the phase separation mechanism in dynamically asymmetric polymer blends (PS/PVME)? J. Khademzadeh Yeganeh, F. Goharpey and F. Reza
- BC11.** Phase diagram of poly(ϵ -caprolactone) and polylactide biodegradable blend under oscillatory shear flow. N. Noroozi, L. L. Schafer and S. G. Hatzikiriakos
- BC12.** Study of negative intrinsic viscosity in polymer melts. M. Agarwal and C. Zukoski
- BC13.** Influence of temperature on shear stress growth and modeling parameters for long glass fiber thermoplastic composites. M. J. Cieslinski and D. G. Baird
- BC14.** Study for extrusion of wood plastic composites. K. Wilczynski, A. Nastaj, Z. Szymaniak, A. Lewandowski and K. J. Wilczynski
- EF8.** Highly porous ceramic foams from magnesium oxide-stabilized Pickering emulsions. C. C. Roberts, L. G. Hughes, L. A. Mondy, A. M. Grillet, C. Diantonio, T. Chavez and D. Ingersoll
- EF9.** Flow of concentrated emulsions: A cooperative process. A. Colin
- EF10.** Shear-induced migration of semi-dilute emulsion in a microchannel. V. Mansard, F. Schembri, H. Bodiguel and A. Colin
- EF11.** Nonlinear electrohydrodynamics of a viscous droplet. P. F. Salipante and P. M. Vlahovska
- EF12.** Fourier transform rheology as an innovative morphological characterization technique for the emulsion volume average radius and its distribution. K. Reinheimer, D. Merger and M. Wilhelm
- EF13.** Dynamic characterization of high internal phase emulsions during polymerization. R. Foudazi, P. Gokun, D. L. Feke, S. J. Rowan and I. Manas-Zloczower
- EF14.** Flow of a viscoelastic fluid around a deformable droplet. B. Mena
- END

Tuesday, February 12

Morning

8:30 **PL2.** Linear viscoelasticity of associating ionomers. *R. H. Colby* (Bingham Lecture) C102-C104

9:20

COFFEE BREAK

C106

Suspensions and Colloids

10:00 **SC15.** Rheological and diffusion properties of charged particles dispersions: From big colloids to nanosized bioparticles and electrolyte ions. *G. Naegele, C. Contreras-Aburto and M. Heinen*

10:25 **SC16.** Self-suspended nanoparticle fluids - structure, rheology and dynamics. *P. Agarwal, S. Srivastava, S. A. Kim and L. Archer*

10:50 **SC17.** Brownian dynamics simulations of a local-fluid-volume preserving model of solvent-free nanoparticle fluids. *A. Sarkar and D. L. Koch*

11:15 **SC18.** The shear and extensional rheology of nanoparticle-polymer suspensions and its effect on liquid transfer during gravure printing. *S. Khandavalli, A. Sankaran and J. Rothstein*

11:40 **SC19.** Effects of temperature and sonication on the rheology and microstructure of nano-crystalline cellulose (NCC) aqueous suspensions. *S. Shafiei-Sabet, W. Y. Hamad and S. G. Hatzikiriakos*

12:05

LUNCH BREAK / SOCIETY BUSINESS MEETING C106

C107

Electric and Magnetic Field Effects

EM6. Effects of environmental parameters on the electrospinnability and fiber morphology of polyethylene oxide. *L. Palangetic and C. Clasen*

EM7. Fiber formation during electrospinning of low molecular weight polymer solutions due to the presence of small amounts of high molecular weight polymer. *N. K. Reddy, S. Srinivasan, L. Palangetic, R. E. Cohen, G. H. McKinley and C. Clasen*

EM8. Tethered nanoparticles in oligomer with controllable electrostatic forces. *Y. Wen, K. Dobosz and L. Archer*

EM9. Visualizing 2-D phase transitions with paramagnetic colloids. *S. L. Biswal*

EM10. Engineering improved magnetorheological (MR) fluids with the addition of non-magnetizable particles. *B. T. Wilson and D. J. Klingenberg*

C101

Self-Assembl, Assoc & Gel-Like Systems

SA1. Enormous elongation of (SIS)_n type multiblock copolymers. *H. Watanabe and Y. Matsumiya*

SA2. A numerical study on the structure and rheology of transient self-associating polymer networks. *M. Wilson and A. Baljon*

SA3. The rheological and molecular similarity of failure interfaces resulting from fracture and shear banding instabilities in model physically associating polymer gels. *K. A. Erk and K. R. Shull*

SA4. Strong and tough hybrid hydrogels composed of physical and covalent networks. *R. A. Weiss and J. Hao*

SA5. Developing a constitutive framework for predicting large deformations of simple and thixotropic elasto-viscoplastic materials. *C. J. Dimitriou and G. H. McKinley*

C105

Emulsions, Foams & Interfacial Rheology

EF15. Drop circulation and liquid-liquid extraction in Hele Shaw flow. *C. C. Roberts, S. A. Roberts, R. R. Rao and M. B. Nemer*

EF16. Using the conformal decomposition finite element method to model microfluidic flows and droplet formation. *R. R. Rao, D. R. Noble, C. Brotherton, C. C. Roberts and S. A. Roberts*

EF17. Linear stability of oscillating pinned bubbles in interfacial rheological measurements. *A. Kotula and S. Anna*

EF18. Rheological properties of methane hydrate slurries formed from AOT + water + oil emulsions. *E. B. Webb, C. A. Koh, E. D. Sloan, A. K. Sum and M. W. Liberatore*

EF19. High pressure rheology of Alaska heavy oil saturated with methane. *A. Bazyleva, B. Akeredolu and M. W. Liberatore*

Afternoon

C106

Suspensions and Colloids

1:30 **SC20.** Dynamics of micelle-nanoparticle interactions in the shear templating of colloidal crystals. *B. A. Rolfe, J. Chun and Y. L. Joo*

1:55 **SC21.** Vibration-assisted convective assembly and deposition for monolayer particle coatings from suspension. *G. James, T. Muangnapoh and A. L. Weldon*

C107

Polymer Solutions and Melts

PS10. Globule formation and breakup in dilute solutions of flexible polymers. *R. Radhakrishnan and P. T. Underhill*

PS11. Extracting fundamental materials properties from rheological measurements. *F. Latinwo and C. M. Schroeder*

C101

Self-Assembl, Assoc & Gel-Like Systems

SA6. LAOS rheological characterization of an elasto-viscoplastic gel. *A. A. Alicke, R. T. Leite and P. R. de Souza Mendes*

SA7. Low-dimensional rheological fingerprints of a transient polymeric hydrogel in LAOS strain (large-amplitude oscillatory shear strain). *N. A. Bharadwaj and R. H. Ewoldt*

C105

Solids and Glasses

SG1. Boundary layer in yield stress fluids: How some liquid flows depend on the deformation in the solid regions. *P. Coussot, T. Chevalier, X. Chateau and S. Rodis*

SG2. Complex yielding of simple hard sphere glasses under oscillatory shear. *N. Koumakis, J. F. Brady and G. Petekidis*

2:20	SC22. Passive microrheology of two-dimensional colloidal crystals. <u>T. G. Mason</u>	PS12. When does polystyrene become a polymer? <u>Y. Wang, A. L. Agapov, F. Fan, A. P. Holt and A. P. Sokolov</u>	SA8. Self-assembly and gelation of conjugated polymers towards enhancing charge transport in organic photovoltaics. <u>G. Newbloom, K. Weigandt, P. de La Iglesia and D. Pozzo</u>	SG3. Spatially correlated stresses in soft-particle suspensions. <u>C. E. Maloney and K. Karimi</u>
2:45	SC23. Particle tracking of square platelet colloids in a two-dimensional crystal. <u>K. Mayoral, X. Zhu, D. Bikos, K. Zhao and T. G. Mason</u>	PS13. Viscoelastic and dielectric tests of segmental dynamics in type-B polymers. <u>Y. Matsumiya and H. Watanabe</u>	SA9. Flow induced crystallization and gelation of P3HT. <u>J. J. Wie, N. A. Nguyen, C. D. Cwalina and M. E. Mackay</u>	SG4. Comparison of failure strength vs. consolidation stress data and associated error limits from different shear cells when testing the reference material BCR-116 Limestone powder. <u>R. G. McGregor</u>
3:10		COFFEE BREAK		
3:35	SC24. Aging in colloidal systems: Analogies with Kovacs' structural recovery experiments. <u>G. B. McKenna, X. Di and X. Peng</u>	PS14. Stretching self-entangled molecules in planar elongational fields. <u>B. Renner and P. S. Doyle</u>	SA10. Superposition rheometry of a wormlike micellar surfactant solution. <u>S. Kim, J. Mewis, J. Vermant and C. Clasen</u>	SG5. The colloidal glass transition as rheological inverse of gelation. <u>H. H. Winter</u>
4:00	SC25. Analysis of gel yielding of thixotropic drilling fluids by means of rheometric tests. <u>C. O. Negro, D. E. Andrade and A. T. Franco</u>	PS15. Viscoelastic and structural properties of dendrimers and hyperbranched polymers undergoing planar elongational flow from nonequilibrium molecular dynamics simulation. <u>E. Hajizadeh, B. D. Todd and P. J. Daivis</u>	SA11. Elastic instabilities in a microfluidic cross-slot flow of wormlike micellar solutions. <u>A. Q. Shen, N. Dubash and P. Cheung</u>	SG6. Symmetric aging behavior upon temperature up and down jumps of a soft glassy nano-clay suspension. <u>T. Dhavale and Y. M. Joshi</u>
4:25	SC26. Role of interparticle attraction in yielding behavior of microgel suspensions. <u>Z. Shao, A. S. Negi and C. O. Osuji</u>	PS16. Dynamics and rheology of dilute and entangled polymer solutions from molecular dynamics simulations. <u>Y. Yang, S. Nangia and R. Sureshkumar</u>	SA12. Extensional flow SANS of cetylpyridinium chloride wormlike micelles. <u>K. Weigandt, R. L. Jones, P. Butler and T. Perevozchikova</u>	SG7. Exploring the nature of strain hardening in uniaxial extension of polymer glasses in absence of strain localization. <u>P. Lin and S.-Q. Wang</u>
4:50	SC27. The medium amplitude oscillatory shear (MAOS) of semi-dilute colloidal dispersions. <u>J. W. Swan and N. J. Wagner</u>	PS17. Adsorption of single polymer molecules in shear flow near a planar wall. <u>S. Dutta, K. D. Dorfman and S. Kumar</u>	SA13. Microstructure and rheology of a flow-induced structured phase in wormlike micellar solutions. <u>J. J. Cardiel, A. Dohnalkova, N. Dubash, Y. Zhao, P. Cheung and A. Q. Shen</u>	SG8. Rheologically based strategies for long term durability of sealants. <u>C. C. White, D. Hunston and K. T. Tan</u>
5:15	SC28. Structural and mechanical manipulation of colloidal gels by shear. <u>N. Koumakis, R. Besseling, W. K. Poon, J. F. Brady and G. Petekidis</u>	PS18. The effects of non-conservative forces, compressibility, hydrodynamic interaction and inertia in the microrheology of viscoelastic materials. <u>A. Córdoba, J. D. Schieber and T. Indei</u>	SA14. Nonequilibrium thermodynamic modeling of the shear banding phenomenon of concentrated wormlike micellar solutions. <u>N. Germann, L. P. Cook, A. N. Beris and N. J. Wagner</u>	SG9. Using a 20 Ma fossil resin to test the super-Arrhenius behavior of glass forming systems. <u>J. Zhao and G. B. McKenna</u>
5:40		END		
7:00		AWARDS RECEPTION	Athenaeum, Caltech	
8:00		AWARDS BANQUET	Athenaeum, Caltech	

Wednesday, February 13

Morning

8:30 **PL3.** Drag reduction and the dynamics of turbulence in simple and complex fluids. *M. D. Graham* C102-C104
 9:20 COFFEE BREAK

	<i>C106</i>	<i>C107</i>	<i>C101</i>	<i>C105</i>
	Suspensions and Colloids	Polymer Solutions and Melts	Self-Assembl, Assoc & Gel-Like Systems	Rheology in Biological Systems
10:00	SC29. State diagram of soft colloid / polymer mixtures. <i>D. Truzzolillo, D. Vlassopoulos and M. Gauthier</i>	PS19. Partitioned plate geometry to perform large amplitude oscillation shear (LAOS) measurements on polymers. <i>A. J. Franck</i>	SA15. Elastic turbulence in micellar solutions. <i>M. A. Fardin, G. H. McKinley, S. Lerouge and S. Manneville</i>	BS1. Asymmetric vesicle instabilities in uniaxial and planar extensional flows. <i>A. Spann, H. Zhao and E. Shaqfeh</i>
10:25	SC30. Overcoming kinetic barriers to self-assembly: Field-directed colloidal phase transitions. <i>E. M. Furst, J. W. Swan and P. Vasquez</i>	PS20. Non-linear rheology of model branched polymer systems under large amplitude oscillatory shear (LAOS). <i>B. C. Blackwell, R. H. Ewoldt, J. M. Soulages and A. H. Tsou</i>	SA16. Diffusive effects on the transient and steady state shear response of the VCM model for wormlike micellar mixtures. <i>L. Zhou, G. H. McKinley and L. P. Cook</i>	BS2. Brownian dynamics simulation of discrete red blood cell model based on kinetic theory with constraints. <i>K. H. Kim</i>
10:50	SC31. Brownian dynamics method for simulation of binding kinetics of patterned colloidal spheres with hydrodynamic interactions. <i>J. Liu and R. G. Larson</i>	PS21. Theory of low-dimensional asymptotic material functions from large-amplitude oscillatory shear (LAOS). <i>R. H. Ewoldt and N. A. Bharadwaj</i>	SA17. Novel simulation method for the rheology of semi-dilute threadlike micellar solutions. <i>W. Zou and R. G. Larson</i>	BS3. Modeling the concentration distribution of a low-Reynolds number suspension of vesicles and red blood cells in wall-bounded shear flow. <i>V. Narsimhan, H. Zhao and E. Shaqfeh</i>
11:15	SC32. Tuning rheological properties and structure of thermoreversible organohydrogels based on O/W nanoemulsions. <i>H. B. Eral, H. Z. An, E. R. Safai and P. S. Doyle</i>	PS22. Temperature rise in large-amplitude oscillatory shear flow from shear stress measurements. <i>A. J. Giacomin, R. B. Bird and H. M. Baek</i>	SA18. Flow induced irreversible gelation of non-ionic surfactants in a microfluidic device with microposts. <i>Y. Zhao, J. J. Cardiel, L. Tonggu, L. Wang and A. Q. Shen</i>	BS4. Response of endothelial cells to stagnation point flows. <i>M. A. Ostrowski, N. F. Huang, T. W. Walker, J. P. Cooke, A. R. Dunn and G. G. Fuller</i>
11:40	SC33. Microstructural processes during LAOS yielding of nanoemulsion gels. <i>J. Kim, Y. Gao and M. E. Helgeson</i>	PS23. A comparison of mechanical hole burning and Fourier transform rheology of polymer solutions. <i>N. Shamim and G. B. McKenna</i>	SA19. Rheological properties of commercial body washes: The effects of salts and perfume raw materials. <i>X. Tang, P. H. Koenig, S. D. McConaughy, M. R. Weaver and R. G. Larson</i>	BS5. Mechanical phenotyping of tumor cells using a microfluidic cell squeezer device. <i>Z. S. Khan, N. Kamyabi, S. Sennoune, R. Martinez-Zaguilan and S. A. Vanapalli</i>
12:05	LUNCH BREAK			

Afternoon

	<i>C106</i>	<i>C107</i>	<i>C101</i>	<i>C105</i>
	Suspensions and Colloids	Polymer Solutions and Melts	Self-Assembl, Assoc & Gel-Like Systems	Rheology in Biological Systems
1:30	SC34. Mechanistic insights into flow induced segregation in blood and other multicomponent suspensions. <i>A. Kumar and M. D. Graham</i>	PS24. A new large-strain uniaxial extension rheometer for polymer melts. <i>M. Sentmanat</i>	SA20. Mechanical behavior of nanostructured block copolymer micelle solutions and particle loaded systems. <i>V. A. Cheng, M. Dao and L. M. Walker</i>	BS6. A multi-scale view of platelet adhesion in high shear. <i>S. Fitzgibbon and E. Shaqfeh</i>
1:55	SC35. Porous media model and collective behavior of colloidal particles trapped at a fluidic interface. <i>E. Shaqfeh, G. G. Fuller and S. Yan</i>	PS25. Creep measurements confirm steady flow after stress maximum in extension of branched polymer melts. <i>N. J. Alvarez, J. M. Román Marín, Q. Huang and O. Hassager</i>	SA21. Dynamics and microstructure of metallo-supramolecular networks obtained from polyethylene-oxides. <i>H. Goldansaz, D. W. Auhl and C. Bailly</i>	BS7. Stability and bifurcation in a simple model for shape changes in discoidal high-density lipoprotein. <i>E. Fried and Y.-C. Chen</i>

- 2:20 **SC36.** Hydrodynamic migration of soft spheres and rods in microflow. Y.-L. Chen and C.-W. Hsu
- 2:45 **SC37.** Simulation of a non-Newtonian dense granular suspension in a microfluidic contraction. G. E. Mårtensson, A. Mark and T. Kurian
- 3:10
- 3:35 **SC38.** Fast evaporation of spreading droplets of colloidal suspensions. K. L. Maki and S. Kumar
- 4:00 **SC39.** Microfluidic generation of droplets with a high-loading of nanoparticles for drug delivery to the lungs via microgel particles. R. K. Prud'homme
- 4:25 **SC40.** The collective dynamics of confined rigid spheres and deformable drops. M. Loewenberg, J. Blawdziewicz, P. J. Janssen, M. D. Baron, E. Wajnryb and P. D. Anderson
- 4:50 **SC41.** Microfluidic fabrication of non-spherical endoskeleton droplets. M. Caggioni, J. Lenis and P. T. Spicer
- 5:15
- 5:30
- PS26.** Stress relaxation of entangled polymer melts and solutions following uniaxial extension. Q. Huang, Y. Matsumiya, O. Mednova, H. K. Rasmussen, J. M. Román Marín, N. J. Alvarez, K. Almdal, H. Watanabe and O. Hassager
- PS27.** Melt rheology and extensional flow-induced crystallization of poly(1-butene). R. Pasquino, N. Ahmed and N. Grizzuti
- PS28.** X-ray scattering investigation of structural relaxation in an ordered block copolymer melt in uniaxial extensional flow. E. M. McCready and W. R. Burghardt
- PS29.** Breakdown of time-temperature superposition in transient responses of entangled melts to startup extension. H. Sun and S.-Q. Wang
- PS30.** Ultra-high strain extensional rheometry of polymer melts. J. M. Maia and R. Andrade
- PS31.** A control scheme for filament stretching rheometers with application to polymer melts. J. M. Román Marín, N. J. Alvarez, Q. Huang and O. Hassager
- SA22.** Self-assembly of novel dendronized polymers and cetyltrimethylammonium p-toluenesulfonate. E. K. Penott-Chang, K. N. Silva, A. J. Müller, J. C. Cuggino, M. Calderón, C. I. Alvarez and M. C. Strumia
- SA23.** Surfactant-activated microgels. K. Chari, R. Hsu, P. Bhargava, B. Figura, W. Yang, J.-H. Park, T. Clifford, M. Kadir and G. Benedikt
- SA24.** Microstructure and rheology of a thermoreversible gel under large amplitude oscillatory shear (LAOS) deformation using time-resolved oscillatory rheo-small-angle neutron scattering (tOr-SANS). J. M. Kim, A. Eberle, A. K. Gurnon and N. J. Wagner
- SA25.** Ultrafast ultrasonic imaging of carbon black gels under large amplitude oscillatory shear. C. Perge, V. Grenard, T. Gibaud, N. Taberlet and S. Manneville
- SA26.** Gelation through colloidal assembly at liquid interfaces. J. A. Witt and A. Mohraz
- SA27.** Mechanics and microstructure of self-assembled molecular gels. N. Dudukovic and C. Zukoski
- BS8.** Rapid isolation of viable circulating tumor cells from patient blood samples. A. D. Hughes, J. C. Mattison, J. D. Powderly, B. T. Greene and M. R. King
- BS9.** Location-dependent intracellular particle-tracking using a cell-based coordinate system. S. Abuhattum, D. Goldstein and D. Weihs
- BS10.** Measuring the viscoelasticity of living cells with a cell monolayer rheometer. C. M. Elkins and G. G. Fuller
- BS11.** Shear behavior of human skin: Large amplitude oscillatory shear and viscoelastic modeling. G. Peters, E. Lamers and C. Oomens
- BS12.** In situ characterization of the rheology of Staphylococcus epidermidis biofilms. L. Pavlovsky, J. G. Younger and M. J. Solomon
- BS13.** 3-D numerical investigation of biofilm dynamics. Q. Wang and J. Zhao

COFFEE BREAK

END

POSTER SESSION & RECEPTION Conference Center Lower Level

Thursday, February 14

Morning

8:00	API. New directions in single polymer dynamics: Molecular rheology, hybrid biomaterials, and microfluidic trapping. <i>C. M. Schroeder</i> (Metzner Award Presentation) C106			
	C106	C107	C101	C105
	Suspensions and Colloids	Polymer Solutions and Melts	Self-Assembl, Assoc & Gel-Like Systems	Rheology in Biological Systems
8:40	SC42. Rheological properties of bubble suspensions in yield stress fluids. <i>L. Ducloué, T. L. Nguyen Thi, G. Ovarlez and X. Chateau</i>	PS32. Shear banding in polymer solutions: Breakdown of the homogeneity assumption. <i>M. Cromer, G. Leal and G. Fredrickson</i>	SA28. Formation and aging behavior of charged vesicle gels. <i>M. Seth and G. Leal</i>	BS14. Rheological properties and micro-flows of suspensions of the green micro-alga <i>Chlorella vulgaris</i> . <i>A. Soulies, J. Pruvost, J. Legrand, C. Castelain and T. I. Burghel</i>
9:05	SC43. Gravity-induced flow of yield stress fluids being squeezed on a plane. <i>A. Potanin</i>	PS33. Mesoscale modeling and simulation of transient networks. <i>Y. Zeng, L. P. Cook, L. Zhou and G. H. McKinley</i>	SA29. A multidimensional Hebraud-Lequeux model. <i>M. Renardy</i>	BS15. Effect of rotational diffusion on the collective behavior of swimming microorganisms in viscoelastic fluids. <i>Y. Bozorgi and P. T. Underhill</i>
9:30	SC44. Uniaxial extensional flow of a thixotropic yield stress fluid. <i>Y. Renardy and H. V. Timme</i>	PS34. Influence of rheological properties on the micro-flow in aqueous polymeric solutions during solvent evaporation. <i>A. Babaie and B. Stoeber</i>	SA30. Diamondoid molecular gels. <i>M. Zhang and C. Zukoski</i>	BS16. Microfluidic inertioelastically-driven particle focusing in flows of non-Newtonian fluids for flow-cytometry and disease diagnostics. <i>T. J. Ober, E. J. Lim, M. Toner and G. H. McKinley</i>
9:55	COFFEE BREAK			
10:25	SC45. Visco-plastic settling rate models to determine sag potential of non-aqueous drilling fluids. <i>S. Kulkarni, S. Savari, K. Teke, R. Murphy and D. Jamison</i>	PS35. Dynamics of nanoparticles in non-Newtonian aqueous dispersions. <i>F. Babaye Khorasani, R. Krishnamoorti and J. C. Conrad</i>	SA31. The shear rheology and salt induced vorticity banding of graphene oxide. <i>M. P. Godfrin, F. Guo, I. Chakraborty, N. Heeder, A. Shukla, A. Bose, R. Hurt and A. Tripathi</i>	BS17. Effects of irreversible and reversible clustering on viscosity of concentrated protein solutions. <i>J. A. Pathak, P. S. Sarangapani, S. D. Hudson and K. B. Migler</i>
10:50	SC46. Shear thickening and shear-induced agglomeration of chemical mechanical polishing slurries under high shear. <i>N. C. Crawford, S. K. R. Williams, D. Boldridge and M. W. Liberatore</i>	PS36. Exploiting viscoelastic fluids for enhanced particle removal. <i>T. W. Walker, T. T. Hsu, C. W. Frank and G. G. Fuller</i>	SA32. A novel particulate / polymer composite made with xanthan gum. <i>R. Clark, R. Abson, S. Gaddipati, S. Hill, B. Wolf and J. Mitchell</i>	BS18. Rheology of clustered solutions of therapeutic monoclonal antibodies. <i>P. D. Godfrin, E. Yearley, T. M. Scherer, S. J. Shire, I. E. Zarraga, N. J. Wagner and Y. Liu</i>
11:15	SC47. Rheology of hydrate slurries. <i>C. Aichele and P. E. Clark</i>	PS37. Chaotic mixing in serpentine channels due to viscoelastically-induced secondary flows. <i>R. J. Poole, A. Lindner and M. A. Alves</i>	SA33. Effect of complex formation on the gel transition and strength of xanthan-gelatin mixtures. <i>A. R. Cameron-Soto and A. Acevedo</i>	BS19. Particulate formation from adsorbed protein layers under flow and agitation using neutron reflectivity and scattering. <i>R. L. Jones, T. Perevozchikova, K. Weigandt and C. Roberts</i>
11:40	SC48. Study of the rheology and slump retention properties of micro mortars. <i>X. Chen and M. Radler</i>	PS38. Instable flow of high molecular weight polyacrylamide in confined geometry. <i>J. Beaumont, L. Martinie, H. Bodiguel, H. Kellay and A. Colin</i>	SA34. Characterizing the viscoelasticity of soft contact lenses immersed in saline. <i>C. P. Lusignan, C. M. Jarman and W. J. Seyboth</i>	BS20. Transport properties of human lung mucus. <i>G. Forest, P. Vasquez, D. Hill, S. McKinley and J. Mellnik</i>
12:05	SC49. Converging flow rheometry for characterizing ceramic paste formulations. <i>K. A. Koppj and S. R. Lakso</i>	PS39. A weak-coupling expansion for viscoelastic fluid flows. <i>M. N. Moore and M. J. Shelley</i>	SA35. Mobile technology for measuring polymer hydration and viscosity. <i>J. Maxey, X. Ye, H. Chung and N. Tonmukayakul</i>	BS21. Extensional rheology of Mamaku gum solutions. <i>A. Jaishankar, M. Wee, L. Matia-Merino, K. K. Goh and G. H. McKinley</i>
12:30	END			

Poster Session

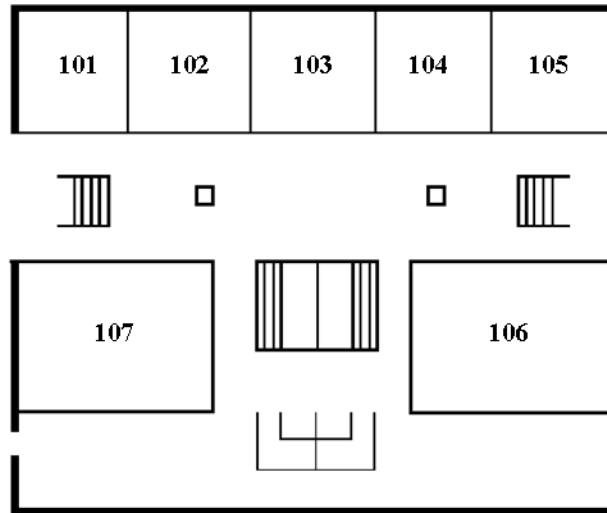
Wednesday 5:30 PM Conference Center Lower Level

- PO1.** Connecting nanoscale motion and rheology of gel-forming colloidal suspensions. *S. Ramakrishnan, R. Leheny and C. Redmon*
- PO3.** Shear thickening of corn starch suspensions: Does concentration matter? *N. C. Crawford and M. W. Liberatore*
- PO4.** Boundary driven compression of hard sphere suspensions at constant velocity and normal stress. *M. Wang and J. F. Brady*
- PO5.** Flow of biomass undergoing enzymatic hydrolysis. *E. J. Tozzi, M. J. McCarthy, D. M. Lavenson, M. Cardona, N. Karuna, T. Jeoh, P. A. Skovgaard, H. Jorgensen and R. L. Powell*
- PO6.** Capillary forces in model chocolate suspensions. *S. Hoffmann, E. Koos and N. Willenbacher*
- PO7.** Rheology of particle laden drilling fluid systems. *P. E. Clark*
- PO8.** Rheopectic suspensions with tunable, and even vanishing, yield stress. *G. Ovarlez and P. Coussot*
- PO9.** Rheology of rod-like nanoparticles in liquid crystal polymer solutions. *A. R. Cameron-Soto and A. Acevedo*
- PO10.** Comparison of Navier-Stokes-Fourier and bivelocity predictions with molecular dynamics simulations for rigid-body rotation of compressible gaseous continua. *S. Feng, A. Graham, A. M. Mertz and A. Redondo*
- PO11.** Self-diffusion and interaction of colloids in liquid crystals via Brownian dynamics simulation. *C. J. Santoni and U. M. Córdoba-Figueroa*
- PO12.** Coarse-grained molecular dynamics simulations of PEGylated lipids and dendrimers. *H. Lee*
- PO13.** Mesoscopic simulation of entangled polymers via an alternative approach to Dissipative Particle Dynamics. *S. Khani, M. Yamanoi and J. M. Maia*
- PO14.** Automated hydrodynamic trap for single molecule polymer dynamics. *C. A. Brockman and C. M. Schroeder*
- PO15.** Wall slip analysis with FT rheology. *S. Ozkan*
- PO16.** Onset of whipping in the melt blowing process. *C. Chung and S. Kumar*
- PO17.** Nanorheology of ultrathin polymer films: Bubble inflation and liquid dewetting. *J. Wang and G. B. McKenna*
- PO18.** Homogeneous planar elongational flow and elastic instabilities in an optimized-shape cross-slot extensional rheometer. *S. J. Haward and G. H. McKinley*
- PO19.** The rheological properties of polyacrylonitrile (PAN) solutions in N,N-dimethylformamide (DMF) and dimethylsulfoxide (DMSO). *Y. Eom and B. C. Kim*
- PO20.** A simple method for determination of the normal stress differences in polymeric fluids. *M. Zhai and G. B. McKenna*
- PO21.** Enhanced charge transport through engineering the network structure of conjugated polymers for photovoltaic applications. *G. Newbloom, K. Weigandt, J. Richards, P. de La Iglesia and D. Pozzo*
- PO22.** Elastic internal yielding of cold drawn polymer glasses well below glass transition temperature. *S. Cheng and S.-Q. Wang*
- PO23.** Slip between polyolefins and extrusion die surfaces. *A. M. Schmalzer and A. J. Giacomin*
- PO24.** The effect of isomer on the rheological properties of polyetherimides. *M. Chellamuthu, G. Haralur and D. Doraiswamy*
- PO25.** Large-amplitude oscillatory shear of thixotropic viscoelastic constitutive models. *B. C. Blackwell and R. H. Ewoldt*
- PO26.** Dielectric relaxation of monodisperse linear PI: Contribution of constraint release. *Y. Matsumiya and H. Watanabe*
- PO27.** Rheology of linear and branched polylactides. *S. Nouri, P. G. Lafleur and C. Dubois*
- PO28.** Adhesive and rheological properties of lightly cross-linked fluorosilicone polymer gels. *N. B. Wyatt and A. M. Grillet*
- PO29.** Effect of supersaturation on the rheological, structural and dielectric properties of conjugated polymer organogels. *P. de La Iglesia and D. Pozzo*
- PO30.** Flavoring effect on the thermal gelation of HPMC physical gels. *C. A. Pinzon and A. Acevedo*
- PO31.** Steady-state rheology of hydroxypropyl methylcellulose solutions with dispersed drug particle inclusions. *M. Santiago-Vázquez and A. Acevedo*

- PO32.** Modification of tube models for entangled polymers in fast nonlinear flows: Microstructure change by disentanglement and configuration-dependent friction coefficient. *J. Park and N. Banerjee*
- PO33.** A study on the thermal stabilization of aliphatic polyketone. *S. Lee, W.-S. Bae, D. W. Chae and B. C. Kim*
- PO34.** The nematic liquid crystalline behavior of poly(2-cyano-p-phenylene terephthalamide) solutions in N-methyl-2-pyrrolidone/calcium chloride. *H. Y. Yoon, Y. Eom and B. C. Kim*
- PO35.** Importance of solvent quality on the hysteresis in the coil-stretch transition of flexible polymers. *R. Radhakrishnan and P. T. Underhill*
- PO36.** Phase separation of polymer solutions after exposure to shear and elongational flow. *K. H. Oh and V. Breedveld*
- PO37.** Particle tracking velocimetric study of real shear hardening and extreme recoverability in simple shear of branched polystyrene solutions. *G. Liu, S. Cheng, H. Lee, H. Ma, R. Quirk, T. Chang and S.-Q. Wang*
- PO38.** Anisotropic thermal transport in polymer networks subjected to uniaxial elongation. *D. Nieto Simavilla, D. C. Venerus and J. D. Schieber*
- PO39.** Understanding pressure sensitive adhesive performance from rheological testing. *B. Rajaram and G. W. Kamykowski*
- PO40.** Measurement of hydrodynamic resistance due to purely elastic instabilities in curvilinear microchannels. *D. E. Solomon and S. A. Vanapalli*
- PO41.** A somewhat exaggerated examination of the Cox-Merz “rule”. *M. Shaw*
- PO42.** Relationship between shear rate, morphology and properties of EPCO/polyester-based TPE blends. *H. Hwang, J. S. Bae, Y. Eom and B. C. Kim*
- PO43.** Solventless fabrication of polymer-ionic liquid composites. *R. J. Frank-Finney and M. Gupta*
- PO44.** Investigation of rheological behavior and thermal conductivity of thermoplastic elastomers based on PP/EPDM by adding nano-ZnO particles. *T. Behrouz, F. Goharpey, H. Nazockdast, M. R. Kalaei and F. Soltani*
- PO45.** Linear viscoelastic and dielectric behavior of oligomeric sulfonated styrene. *Q. Chen and R. H. Colby*
- PO46.** Creep dynamics of non-entangled miscible polymer blends and block copolymers. *Q. Chen*
- PO47.** Osmotic effect on polymer dynamics in block copolymer nanodomains. *H. Watanabe and Y. Matsumiya*
- PO48.** The use of the linear amplitude sweep test and large amplitude oscillatory shear testing to characterize asphalt binder. *G. W. Kamykowski and B. Rajaram*
- PO49.** Transient and steady-state shear banding in aging soft glassy materials. *J. Martin and T. Hu*
- PO50.** Complex flows of soft glassy fluids: Simple shear, extensional and porous media flows. *A. Sarkar and D. L. Koch*
- PO51.** Apparent viscosity of bulk metallic glass in confined size. *Z. Shao, M. Gopinadhan, S. Mukherjee, Y. Liu, G. Kumar, J. Schroers and C. O. Osuji*
- PO52.** Passive microrheology: Non-intrusive measurement of the emulsions viscoelastic properties. *C. Tisserand, G. Smart, M. Fleury, R. Ramsch and G. Meunier*
- PO53.** Passive microrheology for the determination of the gel point. *G. Smart, C. Tisserand, M. Fleury and G. Meunier*
- PO54.** Microflows of ionic liquids. *C. T. Riche, N. Malmstadt and M. Gupta*
- PO55.** Flow induced torus-like micellar structures in surfactants solution. *J. J. Cardiel, A. Dohnalkova, L. Tonggu, L. Wang, Y. Zhao and A. Q. Shen*
- PO56.** Measuring viscosity of water using a dynamic shear rheometer: Issues and limitations. *M. Namani*
- PO57.** Viscoelasticity and shear-induced structure of transient nanoemulsion organohydrogels formed by polymer-surfactant complexation. *J. Kim, C. A. Hebebrand, E. Peirsegeale and M. E. Helgeson*
- PO58.** A shear cell for the direct visualization of constant-stress deformation in soft materials. *H. K. Chan and A. Mohraz*
- PO59.** Modeling gel breakdown in oilfield downhole fluids. *J. Maxey, D. Jamison and S. Kulkarni*
- PO60.** Structure and dynamics of cylindrical micelles and micelle-nanoparticle complexes from molecular dynamics simulations. *A. V. Sangwai, A. Sambasivam and R. Sureshkumar*
- PO61.** Capillary break-up, gelation and extensional rheology of hydrophobically modified cellulose ether solutions. *V. Sharma, S. J. Haward, A. Soderlund, P. Threlfall-Holmes and G. H. McKinley*
- PO62.** High pressure rheology of fracturing fluids and gels. *J. P. Eickhoff, G. G. Paroline and P. Heyer*
- PO64.** Electrorheological characterization of a starch in oil suspension. *A. Elmoumni and A. J. Franck*
- PO65.** Dielectric-rheology simultaneous analysis. *M. Yao*

- PO66.** Dynamical equations for the contact line of a sessile drop. *E. Fried and M. Jabbour*
- PO67.** Statistical-mechanical derivation of the Canham–Helfrich free-energy density. *E. Fried and B. Seguin*
- PO68.** Out of phase modulation of Taylor-Couette flow with viscoelastic fluid. *M. Riahi, S. Aniss, M. Ouazzani Touhami and S. Skali Lami*
- PO69.** Rheological characterization of monoclonal antibody solutions by multiple particle tracking microrheology. *H. T. Lam and E. M. Furst*
- PO70.** Deformation of mAb clusters at high concentration and shear rates. *R. Taing, J. Luoma, A. Patel, F. Lim and I. E. Zarraga*
- PO71.** Impact of external flow on the dynamic properties of microorganisms near surfaces. *S. Chilukuri, C. H. Collins and P. T. Underhill*
- PO72.** Mechanical response of a circulating tumor cell in a narrow microchannel. *Z. S. Khan, N. Kamyabi, S. Sennoune, R. Martinez-Zaguilan and S. A. Vanapalli*
- PO73.** Nanoporous scaffold with enzyme encapsulation during flow-induced gelation. *Y. Zhao, J. J. Cardiel, J.-H. Kim, J.-H. Chung and A. Q. Shen*
- PO74.** A microfluidic study of nanoparticles in simulated blood flows: Understanding the effect of margination. *E. Carboni, G. Bouchillon, L. Shor, S. Torti and A. Ma*
- PO75.** Ewoldt fingerprints for large amplitude oscillatory shear flow analysis: Both kinds. *C. Aumnate and A. J. Giacomin*
- PO76.** The need to monitor the edge is part of the “folklore” of rheometry: Effects of over- and underfilling in rotational rheometry. *N. K. Reddy, R. Cardinaels and C. Clasen*

**Pasadena Convention Center
Conference Building
Floor Plan**



Lower Level

Social Program

Sunday, February 10

Welcoming Reception

6:30 PM – 8:30 PM Conference Center Lower Level

Hosted by TA Instruments

Tuesday, February 12

Society Business Meeting

12:05 PM C106, Conference Center

Awards Reception

7:00 PM – 8:00 PM Athenaeum, Caltech

Sponsored by a generous contribution from Xpansion Instruments

Awards Banquet

8:00 PM Athenaeum, Caltech

Wednesday, February 13

Poster Session Reception

5:30 PM – 7:30 PM Conference Center Lower Level

Sponsored by a generous contribution from Anton-Paar USA

*The Society gratefully acknowledges the generous support of
Anton-Paar USA, TA Instruments, and Xpansion Instruments.*