

Pre-nominated Session FM16

Fluid mechanics of suspension

Co-Chair(s): **R. Bonnecaze (USA)**
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Paper ID	Title	Authors
FM16S_10248	Effective Viscosity of an Inhomogeneous Dilute Suspension Flowing Along a Wall	Laurentiu Pasol, Francois Feuillebois
FM16L_10361	Velocity Fluctuations in Non - Brownian Suspensions Undergoing Simple Shear Flows	A. Acrivos, G. Drazer, J. Koplik, B. Khusid
FM16L_10603	The Collective Dynamics of Self - Propelled Particles	Vishwajeet Mehandia, Prabhu R. Nott
FM16L_10993	Microstructure of a Dilute Sedimenting Suspension	Bogdan Cichocki, Krzysztof Sadlej
FM16S_11236	Sedimentation of Dilute Suspensions	B. U. Felderhof
FM16S_11409	Relaxation Time for Sedimenting Spheres of a Suspension with Periodic Boundary Conditions	Maria L. Ekiel - Jezewska, Eligiusz Wajnryb
FM16L_11418	Numerical Simulations of Particle Suspensions in a Rotating Flow	Jonghoon Lee, Anthony J. C. Ladd
FM16S_11431	A Mode - Mode Coupling Scheme of Colloidal Electrolyte Friction	Mathieu G. McPhie, Gerhard Naegele
FM16L_11473	The Effect of Different Particle Contacts on Suspension Rheology	Helen J. Wilson, Robert H. Davis
FM16L_11480	Evolution of Suspension Sedimenting in a Container Bounded by Horizontal Walls	Evgeny S. Asmolov
FM16S_11588	Spreading Fronts and Fluctuations in Sedimentation: Part I Experiments	Laurence Bergougnoux, Sebastien Ghicini, Elisabeth Guazzelli, John Hinch
FM16S_11725	Constant Force and Constant Velocity Momentum Tracers in Concentrated Suspensions	Patrick T. Reardon, Alan L. Graham, James R. Abbott, Howard Brenner

FM16S_11749	Flow of a Concentrated Suspension Down a Rough Plane	Cyril Cassar, Maxime Nicolas, Olivier Pouliquen
FM16L_11850	Inertial Migration of Rigid Spherical Particles in Poiseuille Flow	J. P. Matas, J. F. Morris, E. Guazzelli
FM16L_11884	Segregation of Suspended Particles in a Rotating Fluid - Filled Horizontal Cylinder - Experiment and Theory	G. Seiden, S. Lipson, M. Ungarish, J. Franklin
FM16L_11991	Migration of Buoyant Mono - and Bi - Disperse Suspensions in Low Reynolds Number Pressure - Driven Pipe Flow	Jay T. Norman, Hebri V. Nayak, Roger T. Bonnecaze
FM16L_12005	Dynamic Simulations of the Instability of Sedimenting Fibers	David Saintillan, Eric Darve, Eric S. G. Shaqfeh
FM16S_12056	Mobility of Membrane - Trapped Particles: Protrusion into the Surrounding Fluid	Howard A. Stone
FM16L_12345	Spreading Fronts and Fluctuations in Sedimentation: Part II Computer Simulations	Laurence Bergougnoux, Sebastien Ghicini, Elisabeth Guazzelli, John Hinch
FM16S_12438	The Role of Cohesive Forces on the Fluidization Behavior of Fine Powders	J. M. Valverde, A. Castellanos, M. A. S. Quintanilla
FM16S_12452	Single Particle Motion in Colloidal Dispersions	Ileana C. Carpen, Todd M. Squires, John F. Brady
FM16L_12574	Slip and Flow in Pastes	Michel Cloitre, Roger T. Bonnecaze