

Pre-nominated Session FM4

Complex and smart fluids

Co-Chair(s): **B. Khusid (USA)**
 A. Yarin (Israel)

Paper ID	Title	Authors
FM4L_10140	Capillary Microfluidics for Viscoelastic Fluids	Konstantin G.Kornev, Gerardo Callegari, Alexander V.Neimark
FM4L_10753	Field-Induced Dielectrophoresis and Phase Separation in Suspension	Dawn J. Bennett, Boris Khusid, Conrad D. James, Paul C. Galambos, Murat Okandan, David Jacqmin, Anil Kumar, Zhiyong Qiu, Andreas Acrivos
FM4L_10932	Electrospinning of Nanofibers from Polymer Solutions	A. L. Yarin, E. Zussman
FM4L_11165	The Giant Electrorheological Effect in Suspensions of Nanoparticles	Ping Sheng, Weijia Wen, Xianxiang Huang, Shihe Yang, Kunquan Lu
FM4S_11184	Electrospinning of Liquid Jets	Slawomir Blonski, Anna Blasinska, Tomasz A. Kowalewski
FM4L_11209	Modeling DNA Separations in Self-Assembled Magnetic Arrays: Comparison of Theory and Experiment	Kevin D. Dorfman, Nicolas Minc, Claus Fuetterer, Jean-Louis Viovy
FM4S_11603	Contact Angle Dynamics of Droplets Impacting on Flat Substrates	Ilker S. Bayer, Constantine M. Megaridis
FM4S_11648	Dissipation Features at Nonlinear Pulsations of Bubbles in Viscoelastic Fluids	Semyon P. Levitsky, Jehuda Haddad
FM4L_11954	Break up of Polymer Solution Drop Impacting a Small Target	Aleksey Rozhkov, Bernard Prunet-Foch, Michele Vignes-Adler
FM4L_11982	Ferrohydrodynamic Hele-Shaw Cell Flows and Instabilities with Simultaneous DC Axial and In-Plane Rotating Magnetic Fields	Scott E. Rhodes, Juan A. Perez, Shihab M. Elborai, Se-Hee Lee, Markus Zahn

FM4L_12254	Spray Impact on Solid Walls of Non - Newtonian Fluids, Including Yield Stress and Thixotropic Behavior	Daniel A. Weiss, Annett Reinl, David M. Binding
FM4S_12319	Nanowires Assembly Using Microfluidic: an Experimental Investigation	Wael Salalha, Eyal Zussman
FM4L_12437	Particle Manipulation in Microfluidics: the Role of Dielectrophoresis, Electrohydrodynamics and AC Electrokinetics	Antonio Castellanos, Antonio Ramos, Antonio Gonzalez, Nicolas G. Green, Hywel Morgan
FM4S_12894	Non - Newtonian Effects of Ink - Jet Printed Droplets	Paul C. Duineveld, J. F. Dijksman, H. Huang
FM4S_12910	Conditions for Creating Thin Liquid Layers at the Contact Surface of Two Other Liquids	Agnieszka Slowicka, Zbigniew A. Walenta