

Pre-nominated Session FM8

Drops and bubbles

Co-Chair(s): **J. Eggers (UK)**
 A. Prosperetti (USA)

Paper ID	Title	Authors
FM8S_10580	Method for Solving Nonlinear Problems on Unsteady Free - Boundary Flows	Yuriy A. Semenov
FM8S_11026	Bubble Wall Interaction and Bubble Pairs Motion Using Potential Flow Theory	M. Moctezuma, R. Zenit, R. Lima
FM8S_11250	Locomotion of a Viscous Drop, Induced by the Internal Secretion: Boundary Effects	Olga M. Lavrenteva, Dina Tsemakh, Avinoam Nir
FM8L_11289	Theoretical Studies of Flow - Induced Coalescence	L. Gary Leal, Fabio Baldessari, Marcos Borrell, Yosang Yoon
FM8S_11299	Occurrence of Micro - Bubbles During the Coalescence of Two Bubbles	Teruo Kumagai, Kazuyuki Yokota, Shingo Saida, Masaki Shimizu
FM8L_11317	Atomization of an Undulating Liquid Sheet	N. Bremond, C. Clanet, E. Villermaux
FM8L_11330	Evaporation - Driven Assembly of Colloidal Particles	Eric Lauga, Michael P. Brenner
FM8L_11411	High-frequency Linear Viscosity of Emulsions Composed of Two Viscoelastic Fluids	Jerzy Blawdziewicz, Eligiusz Wajnryb
FM8S_11448	Bubble Formation in a Co - Flowing Air - Water Stream	A. Sevilla, J. M. Gordillo, C. Martinez - Bazan
FM8L_11462	Molecule Configurations in a Droplet Detachment Process of a Semdilute Xanthan Solutions	Christian Wagner, Andriy Kityk
FM8S_11614	Spreading and Retraction of Impacting Drops	Christophe Josserand, Stephane Zaleski
FM8S_11669	Main Factors Controlling the Emulsification Process under Turbulent Conditions. Experiment and Data Interpretation	Slavka S. Tcholakova, Nikolai D. Denkov, Ivan B. Ivanov, Thomas Danner

FM8S_11670	Water Mist Behavior as Flame Supressant	M. T. Parra, F. Castro, J. M .Villafruela, C. Mendez, M. A. Rodriguez
FM8L_11723	Numerical Simulation of Liquid - Gas Interfaces with Applications to Atomization	Thomas Boeck, Stephane Zaleski
FM8S_11855	Viscous Extensional Flow and Drop Break - Off Under Gravity	Ernest O. Tuck, Yvonne M. Stokes
FM8L_11911	Evolution of a Pair of Spherical Bubbles Rising Side by Side at Moderate Reynolds Number	Jacques Magnaudet, Dominique Legendre
FM8S_11979	On the Numerical Simulation of Two Phase Liquid - Vapor Phenomena	Damir Juric, Patrick Le Quere, Virginie Daru, Marie C. Duluc
FM8L_11999	Cavitation Inception on Micro-particles: a Self Propelled Particle Accelerator	Manish Arora, Claus-Dieter Ohl, Knud Aage Mørch
FM8S_12106	Level - Set Simulations of Shear Flow with Inertia Pas a Droplet Adhering to a Wall with Moving Contact Lines	Peter D. M. Spelt
FM8S_12163	Modelling Surface Tension Using a Ghost Fluid Technique within a Volume of Fluid Formulation	Marianne M. Francois, Douglas B. Kothe, Sharen J. Cummins
FM8S_12190	Dynamics of Bubble Supercompression in Organic Liquids	Robert I. Nigmatulin, Raisa Kh. Bolotnova, Nailya K. Vakhitova, Andrei S. Topolnikov
FM8S_12311	Hydrodynamics of Gas Bubbling through Organic Liquids	Ryszard Pohorecki, Wladyslaw Moniuk, Pawel Bielski
FM8S_12329	Surfactant Effects on Buoyancy - Driven Coalescence of Spherical Drops	Michael A. Rother, Alexander Z. Zinchenko, Robert H. Davis
FM8S_12388	Static Shapes of Levitating Viscous Drops	Laurent Duchemin, Ulrich Lange, John Lister
FM8L_12429	A Long-wavelength Model of Viscous Entrainment	Wendy W. Zhang

FM8S_12547	Entrainment of Air Bubbles During Strong Vorticity - Free - Surface Interaction	Alessandro Iafrati, Emilio F. Campana, Ulderico P. Bulgarelli
FM8S_12548	Spreading of Charged Microdroplets	Santiago I. Betelu, Marco A. Fontelos
FM8S_12596	Multiple Bubbles Dynamics Using Level Set Indirect Boundary Element Method	C. Wang, Fong Siew Wan, Khoo Boo Cheong, Hung Kin Chew
FM8L_12741	Low - Reynolds - Number Motion of a Drop Between Two Parallel Plane Walls	Andrew J. Griggs, Alexander Z. Zinchenko, Robert H. Davis
FM8S_12873	Thermodynamic Parameters of Vapour Bubble Growth by Image Analysis	A. Zachara, J. Pakleza, S. Blonski, R. Trzcinski, T.A. Kowalewski
FM8L_13025	Singular Droplets	Daniel Bonn, Salima Rafai, Arezki Boudaoud