Workshop at a glance

Tuesday July 23rd July, 2013

6: 00PM Registration & welcoming reception/buffet: **Mahony & Sons,** 5990 University Blvd. An informal welcome: food/beverages

will be served all evening. Come and relax when you have settled in.

Wednesday July 24th July, 2013

8:30 AM	Registration & opening
9:00 AM	Jacques Magnaudet (IMFT, France), The hard life of air bubbles crossing a fluid/fluid interface
9.25 AM	Sarah Hormozi (UBC), Frozen-in patterns in yield stress fluids
9.50 AM	Amy Shen (Univ. Washington), Microstructure and Rheology of a Flow-Induced Structured Phase in Wormlike Micellar
	Solutions
10.15 AM	Hossein Hejazi (Univ. Calgary), Chemically Driven Hydrodynamic Instabilities in Porous Media
10.40 AM	Coffee/tea Break (Math 125/126)
11.10 AM	Kenny Breuer (Brown), Swimming in Silly Putty
11.35 AM	Paul Grassia (Manchester), Three Films Good, Four Films Bad! (A Introduction to Foam Rheology)
12.00 AM	Roberto Zenit (UNAM, Mexico), Locomotion of microorganisms in complex fluids
12.25 PM	Eliot Fried (McGill), A dissipative particle dynamics model for suspensions of self-propelled bacteria
12.50 PM	Lunch (Math 125/126)
2.00 PM	Satish Kumar (Univ. Minnesota), Dynamic Wetting Failure and Air Entrainment: What can Thin-Film Models Teach Us?
2.25 PM	Gwynn Elfring (UBC), Interfacial dilatational rheology
2.50 PM	Shelley Anna (Carnegie Mellon), Probing Dilational Interfacial Stresses of Complex Interfaces Using a Microscale Spherical
	Bubble
3.15 PM	Jalel Azaiez (Univ. Calgary), Viscous Fingering Instability for Time-Dependent Injection Velocities
3.40 PM	Coffee/tea Break (Math 125/126)
4.00 PM	Bamin Khomami (Univ. Tennessee), Polymer Induced Breakdown of Large-Scale Taylor Vortex Structures and the
	Resulting Drag Enhancement in Turbulent Taylor-Couette Flows: Direct Numerical Simulations and Mechanistic Insight
4.25 PM	Eckart Meiburg (UCSB), Gravity-driven Interfacial Flows: Vorticity-based Models
4.50 PM	Eric Shaqfeh (Stanford), Vesicles and Vesicle Suspensions in Flow
6.30 PM	Dinner cruise from Granville Island. We will sail on the M.V. Carousel II, (Accent Cruises Ltd, #100-1676 Duranleau St.
	Vancouver), sailing around the Vancouver shoreline from 7.00-10.00 PM. Boarding from 6.00 PM at the dock (see map
	and directions). Take bus from UBC and board the boat before departure!

Thursday July 25th July, 2013

9:00 AM	François Charru (IMFT, France), Sand ripples and dunes
9.25 AM	Morris Flynn (Univ. Alberta), Buckling of a thin, viscous film in an axisymmetric geometry
9.50 AM	Anthony Wachs (IFP, Lyon, France), The use of Zick & Homsy's analytical solution in the DNS of particulate flows
10.15 AM	Paul Steen (Cornell), Vibrating Sessile Rayleigh Drops

10.40 AM	Coffee/tea Break (Math 125/126)
11.10 AM	Joe Goddard (UCSD), Dissipation Potentials for the Rheology of Particulate Media
11.35 AM	Kamran Alba (UBC), Miscible density-unstable displacement flows in inclined tube
12.00 AM	Thomas Ward (Iowa State), Pulsatile gas injection in a radial Hele-Shaw cell
12.25 PM	Lunch (Math 125/126)
2.10 PM	Neil Balmforth (UBC), Some Contact Line Problems
2.35 PM	Rouslan Krechetnikov (UCSB), Chemically-driven interfacial singularities
3.00 PM	Hadi Mohammadigoushki (UBC), Size segregation in sheared two-dimensional foams.
3.25 PM	Juan Gomba (UNCP, Buenos Aires, Argentina), Closed-analytical solutions for the shape of two dimensional droplets
	under partially-wetting conditions.
3.50 PM	Coffee/tea Break (Math 125/126)
4.20 PM	Special Session Highlighting the Research Contributions of G. M. Homsy
	Paul Grassia (Manchester): Thermal convection
	Serafim Kalliadasis (Imperial College): Thin film flows
	Eckart Meiburg (UCSB): Porous media flows
	Eric Shaqfeh (Stanford): Complex fluids
	Thomas Ward (Iowa State)Drops and bubbles
6.30 PM	Cocktails followed by Banquet Dinner in honour of G.M. Homsy at Cecil Green Park House

Friday July 26th July, 2013

9:00 AM	Hadi Mehrabian (UBC), Capillary-inertial jet production and disintegration
9.25 AM	Parviz Moin (Stanford), On the congruity of transitional and fully developed turbulent boundary layers
9.50 AM	Harish Dixit (UBC), The elastocapillary Landau-Levich problem
10.15 AM	Xiu Mei Xu (IMEC, Belgium), Wetting transitions on patterned substrates
10.40 AM	Coffee/tea Break (Math 125/126)
11.10 AM	Serafim Kalliadasis (Imperial College), The contact line problem and related menaces
11.35 AM	Pirouz Kavehpour (UCLA), Spreading and Arrest of Molten Liquid on a Cold Solid Substrate
12.00 PM	Ian Frigaard (UBC) A weighted residual method for multilayer non-Newtonian fluid flows
12.25 PM	Close

To view the full schedule please go to: $\underline{\text{http://www.pims.math.ca/files/COFFIN2Program-Final1.pdf}}$

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