

Flash talks & poster presentations

Session #1 (Flash talks Monday 6.30pm / Posters Tuesday morning)

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| 1 | Ahmed Muhammad AZMEER | Charged Droplets in an Acoustic Field |
| 2 | Ahmad BADR | Impact of a complex light on the swimming of a micro-algae |
| 3 | Alexandra BARBOSA
GONZALEZ | Characterization of the yielding transition in elastoviscoplastic fluid flows over cavities |
| 4 | Jason BARCKICKE | Dispersion relation of Kelvin waves along a free-surface vortex |
| 5 | Vitja BELTRAM | Charged active nematics |
| 6 | Gauthier BERTRAND | Microalgae in pipe flow |
| 7 | Tristan BEUZELIN | Engineering of human lung surfactant delivery |
| 8 | Aman BHARGAVA | Mesosopic contact line modeling |
| 9 | Rafal BLASZKIEWICZ | Unsteady Stokes flows: ciliary transport and cooperation |
| 10 | Simen BOOTSMA | Flow regimes for a melting vertical ice cylinder in saline water |
| 11 | Adam CARTER | New method for extracting colloidal dynamics from microscopy |
| 12 | Martin CHAIGNE | Experimental investigation of a sediment transport instability |
| 13 | Marwan CHAMMOUMA | Guided mechanical self-assembly of bubbles: towards novel foam structures |
| 14 | Basile DHOTE | Preferential orientation of floaters in surface gravity waves: hydro-elastic effects and capillary corrections |
| 15 | Joshua DURRANT | Wrinkling in viscous fluids |

Session #2 (Flash talks Monday 8.30pm / Posters Tuesday afternoon)

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| 16 | Sajad ESHAGHI | Magnetotaxis in microswimmers |
| 17 | Crystal FOWLER | On the Falling and Impact Dynamics of Soap Bubbles |
| 18 | Tian GAO | Wetting-induced shape changes of elastomeric grids |
| 19 | Martina GATTI | Computational Modeling of Cell Migration in a Viscous Fluid Using Unfitted Finite Elements Methods |
| 20 | Anaëlle GIVAUDAN | Roll formation in a bio-active fluid |
| 21 | Maria del Mar GONZALEZ
NOGUERAS | Evolution of vortex filaments and reconnections in the Gross-Pitaevski equation and its approximation by the binormal flow equation |
| 22 | Jishnu GOSWAMI | Curling dynamics of Elastic Ribbons at Low Re |
| 23 | Subhasish GUCHHAIT | Dynamics of self-propelled microswimmers near confined meniscus |
| 24 | Ehsan HESHMATI | Towards Direct Numerical Simulation of Self-propelling Deformable Droplet |
| 25 | Sazid HOQUE | Dynamics of particles in a polymer-based acoustofluidic device |
| 26 | Ruiheng HU | Patterned Surfaces |
| 27 | Jan-Willem HURKMANS | Microalgae in vortices |

28	Enej ISTENIČ	Viscoelastic Channel Flows During Solidification
29	Yash JAISWAL	Jetting of complex ink
30	Ning JI	Flow manipulation at small scales

Session #3 (Flash talks Tuesday 6.30pm / Posters Wednesday morning)

31	Diane KOMAROFF	Interaction of surface waves with an array of buoys.
32	Hugo KREBS	3D Lagrangian tracking of Chlamydomonas reinhardtii under confinement and reaction to a solid surface
33	Prabhash KUMAR	Onset of chaotic stirring in viscous oscillatory flows
34	Arvind KUMAR	Theoretical Modelling of Chemotactic Self-Propelling Swimmer
35	Julien LE DREFF	Swimming dynamics and efficiency in diatom chain colonies
36	Grégoire LE LAY	Co-amplification of waves on a liquid rivulet in a Hele-Shaw cell
37	Bastien LEBREUX	Microscopic origin of the rheological behavior of aqueous biphasic system
38	Marcus LIN	Exploding drops on lubricated surfaces
39	Zhen LYU	Collective behavior of thin gap soft valves in confined channels
40	Javier MARTÍNEZ-PUIG	Protein dynamics of a respiratory droplet
41	Gustav MODLER	Theoretical study of microstreaming generated by an elliptically vibrating micro-pillar
42	Sharadhi NAGARAJA	Mesoscale swimming dynamics
43	Klint ONGARI	Circular Hydraulic Jump
44	Sasha PEREZ	Emptying a bottle filled with a suspension
45	Rachel PIEDNOIR	Discharge dynamics controls the liquid-solid contact electrification of a bouncing drop
46	Rafaella PITSILLOU	Microscale fluid dynamics for microplastic removal

Session #4 (Flash talks Tuesday 8.30pm / Posters Thursday morning)

47	Shantanu RAIKWAR	Phototactic decision making by micro-algae
48	Théo REGNY	Production of hydrogel capsules with aqueous core at high flow rate: inertial effects and stabilisation
49	Damien RIGUTTO	Interface dynamics and velocity field around an immersing flat plate in inertial regime
50	Alexander SCHODT	Water Tetris: An Experimental Exploration of Settling Polyominoes
51	Lauren SCHOFIELD	Evaporation of an Elongated Droplet
52	John SEBASTIAN	Random wear shapes all pointed tips alike
53	Vandana SHARMA	Active Modulation of Membrane Fluctuations by Light-Driven Nanomotors in Giant Unilamellar Vesicles
54	Lucas SUIRE	Electro-mechanical control of Plateau-Rayleigh instability for homogenous multi cellular production

55	Gouezec THOMAS	Effects on gas-liquid flows of the enhanced stability of bubbles in liquid mixtures
56	Cyprien VERMELLE	Templating model hydrothermal vents
57	Coen VERSCHUUR	The competition between evaporation and coalescence
58	Datong WANG	Drop impact on concave surface and plant dispersal by rain
59	Hiroya WATANABE	Atomization upon collision of liquid-filled flasks
60	Qisong XIE	The egalitarianism of dual bubbles ripening on substrate with constant contact radius
61	Mohammed YAHIA	Highly unsteady contact line dynamics
62	Rundong ZHOU	Transition to the ultimate regime in stratified inclined duct