Droplets 2019

Tuesday Posters

P80	Maximilian Hartmann	Institute for Nano- and Microfluidics, TU Darmstadt	Coalescence and Break up	Stability of Evaporating Droplets on Chemically Patterned Surfaces
P81	Sushrut Ranade	Indian Institute of Technology Madras	Coalescence and Break up	Secondary breakup of low viscosity drops in a continuous air jet
P82	Shaokang Li	Beihang university(BUAA)	Coalescence and Break up	Numerical Simulations of Coalescence-Induced Droplets Jumping: Effects of Droplet Initial Velocity
P83	Martin Reder	Karlsruhe University of Applied Sciences	Coalescence and Break up	Phase-field investigation on the formation of droplets as a result of surface tension and gravity
P84	Rick Sijs	University of Amsterdam	Coalescence and Break up	What determines the drop size in sprays?
P85	Thomas C. Sykes	University of Leeds	Coalescence and Break up	Mixing within Impacting and Coalescing Droplets of Different Surface Tension
P86	Harish Viswanathan	Sheffield Hallam University	Coalescence and Break up	Formation and merging of satellite droplets disintegrated from laminar liquid jets
P87	Yaxing Li	University of Twente	Evaporation	Suppression of coffee-stain effect by local shielding of evaporation at drop edge
P88	Wenjun LIU	Institute of Mechanics, Chinese Academy of Sciences	Evaporation	Hydrodynamic instability of an evaporating liquid layer in a cylindrical pool
P89	Laxman Kumar Malla	IITB-Monash Research Academy	Evaporation	Coffee-ring width modification due to temperature gradient on the substrate
P90	Veronica McKinny	University of Edinburgh	Evaporation	The drying of blood
P91	Nir Berdugo	Technion, Israel	Evaporation	Water droplets evaporation rates enhanced by acoustic field in a cylindrical resonator
P92	Jack Cater	Nottingham Trent University	Evaporation	Visualisation of the vapour cloud induced by evaporation of interacting droplets.
P93	Khushboo Pandey	Indian Institute of Science	Evaporation	Boiling in nanofuel droplets
P94	Sunil Kumar Saroj	IIT Kanpur	Evaporation	Effect of negative magnetophoresis inside an evaporating ferrofluid droplet

P95	Feargus Schofield	University of Strathclyde	Evaporation	The effect of the thermal conductivity of the substrate on the lifetime of an evaporating droplet
P96	Prof. P.K Panigarhi	IIT Kanpur	Evaporation	Digital holographic investigation of micro-litre well
P97	Victoria Tishkova	Aix Marseille University	Evaporation	Transmission optical imaging of contracting sessile microdroplets
P98	Dan Hardy	University of Bristol	Evaporation	Exploring the entire evaporative lifetime of individual droplets with high time resolution imaging
P99	Abdulrahman Aljedaani	KAUST	Impact	Splash Or No-Splash!
P100	Neeru Bala	Northumbria University	Impact	High density ratio Lattice Boltzmann simulations of immiscible drop collision
P101	Thijs de Goede	University of Amsterdam	Impact	Droplet Impact on Monofilament Polyester Fabric
P102	Carlos Galeano-Rios	University of Bath	Impact	Quasi-normal impacts and the kinematic match for walking droplets
P103	Gautier Gillot	Institute of Molecules and Materials of Le Mans (IMMM)	Impact	Acoustic study of a water droplet impact on a water surface
P104	Pallav Kant	Physics of Fluids	Impact	Freezing morphologies inside a droplet impacting on a cold surface
P105	Gargi Khurana	Indian Institute of Technology Ropar	Impact	Post-impact spreading of ferrofluid droplet on solid surfaces under the influence of horizontal magnetic field
P106	Wonjung Kim	Sogang University	Impact	Bubble collisions on a fibre array
P107	Srinath Lakshman	University of Twente	Impact	Relaxation of liquid deformation under impacting drop
P108	Renhua Deng	University of Bristol	Inkjet Printing	Combining emulsion solvent evaporation with inkjet printing: Preparation and deposition of polymeric microcapsules and particles
P109	Ahmed Ismail	Queen Mary University of London	Inkjet Printing	Parametric optimization for higher quality/resolution electrostatic jet printing
P110	Maaike Rump	University of Twente	Inkjet Printing	Bubble entrainment from an acoustically driven meniscus in a piezo-acoustic drop-on-demand inkjet nozzle
P111	Manos Anyfantakis	University of Luxembourg	Liquid Crystals and complex fluids	Liquid crystalline self-assembly inside liquid marbles: millimetre-sized spheres with tailored structural colour

P112	Joseph R L Cousins	Strathclyde University	Liquid Crystals and complex fluids	A Mathematical Model for the One-Drop-Filling Process
P113	Kirsten McCormick	Nottingham Trent University	Liquid Crystals and complex fluids	Variation of experimental conditions to optimise machine-learning discrimination of patterns from dried blood droplets
P114	Adele Parry	University of Leeds	Liquid Crystals and complex fluids	Designing a low-cost system for the screening of bacterial toxins
P115	Francesco Paolo Contò	Queen Mary University of London	Modelling across time and length	Capillary retraction of an axisymmetric liquid ligament
P116	Xizhuo Jiang	University College London	Modelling across time and length	Sodium ions and endothelial glycocalyx interactions under flow conditions
P117	Konstantin Kolegov	Astrakhan State University	Modelling across time and length	Joint effect of advection, diffusion and capillary attraction on a spatial structure of particle depositions from evaporating droplets
P118	Nabila Naz	Queen Mary University of London	Modelling across time and length	A level set method for two-phase electro-hydrodynamics
P119	Juan C. Padrino	School of Engineering - University of Warwick	Modelling across time and length	Slow gas microflow past a spheroid: solution based on Grad's moment equations using the boundary element method
P120	Élfego Ruiz-Gutierrez	Northumbria University	Modelling across time and length	Lattice-Boltzmann simulations of thermocapillarity
P121	Olga Savenko	Photochemistry Center of the FSRC «Crystallography and Photonics»	Modelling across time and length	Self-assembly of colloidal particles into evaporating sessile drop of H_2O- glycerol and H_2O -ethylene glycol binary solutions
P122	Yuri Tarasevich	Astrakhan State University	Modelling across time and length	Desiccation of particle-laden sessile drops: simulation and modelling
P123	Wei Wang	Science and Technology Facility Council	Modelling across time and length	Simulation of transport of charged droplets in an electrospray ionization source of a mass spectrometer
P124	Bethany Orme	Northumbria University	Textured, patterned, smart surfaces	Droplet Retention and Shedding on Slippery Substrates
P125	Mumtahina Rahman	Northumbria University	Textured, patterned, smart surfaces	Droplet motion and behaviour on the flexible slips (F-slips)
P126	Kei Takashina	University of Bath	Textured, patterned, smart surfaces	Self-propelling Leidenfrost droplets on a variable topography surface.
P127	Ciro Semprebon	Northumbria University	Textured, patterned, smart surfaces	Unified theory for anisotropic drop growth on linear patterns
P128	Ciro Semprebon	Northumbria University	Textured, patterned, smart surfaces	Non Newtonian slippery liquid infused porous substrates

P129	Ansu Sun	Northumbria University	Textured, patterned, smart surfaces	Gel optical design with Autonomous Focal Shifting for future Ocular applications
P130	Yifan Li	Northumbria University Newcastle	Textured, patterned, smart surfaces	Smart surface enabled thin layer heterogeneous responsive soft material patterning
P131	Yanchen Wu	Karlsruhe Institute of Technology	Textured, patterned, smart surfaces	Investigation of equilibrium droplet-shapes on chemically striped patterned surfaces using phase-field method
P132	Omkar Hegde	Indian Institute of Science	Wetting	Alteration of flow inside microliter sessile droplets using vapour mediated interactions.
P133	Olinka Ramirez Soto	Max Planck Institute for Dynamics and Self-Organization	Wetting	Flow structure of Marangoni-contracted sessile droplets of water-diol mixtures
P134	Clément Rigaut	UMons	Wetting	Doctor blade technique and wetting dynamics
P135	Amy Stetten	Max Planck Institute for Polymer Physics	Wetting	Wetting Adaptation and Charge Separation at the Interface between Polymer Surfaces and Rolling Drops
P136	Joséphine Van Hulle	University of Liège	Wetting	Capillary transport of droplets on 3d printed conical structures
P137	Juan S. Marin	University of Alberta	Wetting	Response of sessile droplet to a single electrical wave perturbation
P138	Fei Wang	Karlsruhe Institute of Technology	Wetting	Wetting of non-equilibrium liquids
P139	Floriane Weyer	University of Liège	Wetting	Droplets on bent fibres
P140	Christian Wolf	Technische Universität Darmstadt	Wetting	Experimental investigation of wetting of substrates with thin soluble polymer coatings and evaporation-driven surface restructuring
P141	Qierui Zhang	University of Twente	Wetting	Characterizing the wetting properties of soft porous material using a Washburn-like model
P142	Wei Yong	University of Aberdeen	Wetting	Molecular dynamics simulation of water droplet wettability on graphite substrate
P143	Rameez Iqbal	Indian Institute of Technology Madras	Wetting	Candle derived facile fabrication of a transparent super-hydrophobic and super-hydrophilic substrate
P144	Maria Kalli	University College London	Coalescence and Break up	Surfactant effects on droplet formation in microfluidic systems
P145	Michael Avery	University of Manchester	Inkjet Printing	High Resolution Inkjet Printing of 2D Materials