

Day 1

Lecture Hall	Structure and properties of adhesive liquid foams
9:40-10:25	Reinhard Höhler

Lecture Hall	S1 Coarsening I
10:30-10:50	Bubble growth and hierarchical structure in coarsening wet foams
	S. Cohen-Addad , N. Galvani, O. Pitois, R. Höhler, A. Requier, M. Pasquet, E. Rio, A. Salonen, D. Langevin
10:50-11:10	Bumpy bubbles in a coarsening foamed emulsions
	N. Galvani , S. Cohen-Addad, O. Pitois
Room 203	S2 Solid Foams I
10:30-10:50	Photocatalytic solid foams
	M. Vaccari , D. Orsi, V. Lorusso, F. Ravera, L. Liggieri, I. Navarro Arrebola, E. Santini, L. Cristofolini
10:50-11:10	From Liquid to Solid: Crafting Silicone Foams from Liquid Templates
	Rajam Elancheliyan , L. Henry, A. Egelé, S. Vergne, L. Fiorucci, L. Jacomine, A. Hourlier-Fargette

Lecture Hall	S3 Coarsening II
11:40-12:00	Bubble properties and growth rates in coarsening wet foams
	J. Morgan, S. Cox
12:00-12:20	Coarsening of liquid foam in porous media
	A. Salamé , V. Langlois, O. Pitois
12:20-12:40	Coarsening simulations of wet foams using a detailed growth law
	G. L. Thomas , R. M.C. de Almeida, F. Graner
Room 203	S4 Solid Foams II
11:40-12:00	Solidification of polyurethane foams via UV external stimulus
	G. Cotte-Carluer , S. Vergne, L. Fiorucci, A. Egele, W. Drenckhan, A. Hourlier-Fargette
12:00-12:20	Foaming of geopolymeric-precursors slurries based on lunar regolith simulants
	E. Santini , L. Liggieri, M. E. Pedretti, F. Ravera, G. Franchin, C. Bettanini, G. Colombatti, F. Gioia, M. C. Dalconi, L. Valentini
12:20-12:40	Emulsion Templating -Unexpected Morphology of Monodisperse Macroporous Polystyrene
	L. Koch, S. Botsch, W. Drenckhan, C. Stubenrauch

Lecture Hall	S5 Foam Structure
13:40-14:00	Numerical prediction of the ground-state of finite bi-disperse two-dimensional foam
	W. Chen , S. Cox
14:00-14:20	Equilibrium configurations of two-dimensional bubbles in a channel: N-bubble case
	C. Torres-Ulloa , P. Grassia, J. Hernández-Montelongo
14:20-14:40	Structure formation in chains of hard spheres or bubbles under compression
	S. Hutzler , A. Irannezhad, J. Ryan-Purcell, M. Whelan, A. Mughal, D. Weaire
14:40-15:00	Experimental investigation of radial bubble size distributions in foam columns
	L. Knüpfer , R. Götzelt, K. Eckert, S. Heitkam
Room 203	S6 Solid Foams III
13:40-14:00	Dry solid cell foam film from nanocellulose aqueous foam
	T. Lohtander-Piispa, S. Arola, M. Gestranus, T. Hjelt
14:00-14:20	TiO ₂ -Glass solid foams
	I. N. Arrebola , F. Ravera, M. T. Buscaglia, E. Santini, M. Vaccari, L. Cristofolini, D. Orsi, L. Liggieri
14:20-14:40	Shape Matters: Manipulating the Mechanical Properties of Polymer Foams
	O. Walker , C. Stubenrauch, M. Heymann, T. Roland
14:40-15:00	Quantifying the flows in a freezing soap foam
	K. Bumma , A. Huerre, J. Pierre, T. Séon

Day 2

Lecture Hall	Drainage and coalescence of foams and thin films stabilized with non ionic surfactants, polymers and particles
9:15-10:00	Cécile Monteux

Lecture Hall	S7 Surfactants I
10:10-10:30	Foaming properties of C12-chain sucrose ester compared to Brij L23: influence of temperature and hydrogen bonds
	L. Delforce , S. Tcholakova
10:30-10:50	Foam stability modulation through morphological transitions in self-assembled binary mixtures of fatty acids
	I. Ben Djemaa , A. Mikhailovskaya, C. Le Coeur, C. Amiel, F. Cousin, J. Goyon-Trohay, F. Rouyer
10:50-11:10	Liquid foams as sensors
	A.-L. Fameau , T. Schad, C. Stubenrauch
Room 203	S8 Rheology
10:10-10:30	General Stress Decomposition as a powerful tool to characterize complex interfaces
	L. Jacomine, S. Pivard, F. Kratz, J. Kierfeld, W. Drenckhan , F. Schosseler
10:30-10:50	Imaging 3D foam relaxation after shear cessation
	F. Schott, S. Gstöhl, C. M. Schlepütz, C. Raufaste, S. Santucci, C. Claudet, R. Mokso, B. Dollet
10:50-11:10	Quantifying the consumer experience: Relating mouthfeel to the foaming properties of toothpastes
	A. Mellor, O. Hurst, A. Forsey, N. Cunningham

Lecture Hall	S9 Surfactants II
11:40-12:00	Foamability of surfactant solutions: role of surfactant type, concentration and hydrodynamic conditions
	B. Petkova , S. Tcholakova, N. Denkov
12:00-12:20	The effect of interfacial hydrogen bonding on the surface properties and foam stability in saponin mixtures
	M. Krzan , M. Jamroży, S. Kudlacik-Kramarczyk, A. Drabczyk, P. Warszyński
12:20-12:40	Symmetric three-antennary oligoglycines: structure-properties relationships in bulk and surface phases
	E. Mileva , A. Y. Gyurova, L. Nikolov

Room 203	S10 Emulsions
11:40-12:00	Intrinsic evolution of oil-in-water emulsions observed by DWS experiments in microgravity on the International Space Station
	L. Cristofolini , V. Lorusso, D. Orsi, M. Vaccari, F. Ravera, E. Santini, A.P. Chondrou, M. Kostoglou, T. D. Karapantsios, R. Mc Millin, J. K. Ferri, S. Vincent-Bonnieau, L. Liggieri
12:00-12:20	Lamellar gel network stabilizing water-in-water emulsions
	C. Dari , Y. Si, P. S. Clegg, A.-L. Fameau
12:20-12:40	Host-guest interactions between polymers stabilizing liquid interfaces
	A. Mikhailovskaya , B. Desbons, B. Rousseau, C. Amiel, C. Le Coeur, B. Le Droumaguet

Lecture Hall	Froth zone engineering to enhance flotation performance
13:40-14:25	Pablo Brito-Parada

Lecture Hall	S11 Flotation
14:30-14:50	Flotation process using pH-sensitive surfactant: from foam structure to extraction efficiency
	C. Micheau , Y. Ueda, R. Motokawa, P. Bauduin, L. Girard, O. Diat
14:50-15:10	Optical methods for foam surface measurement in foam experiments
	T. Marquardt , P. Naumann, T. Lappan, K. Eckert, S. Heitkam
15:10-15:30	Detachment and transport of adhesive phyllosilicates micron-sized particles by bamboo foam flow in a millimetric channel
	T. Gentil , S. Faure, C. Latrille, F. Lamadie, J. Mascarade, P. Guiraud
Room 203	S12 Thin Films
14:30-14:50	Space-time dynamics in gravity drainage of mobile soap films
	A. Monier, F.-X. Gauci, C. Claudet, F. Celestini, C. Brouzet, C. Raufaste
14:50-15:10	Meniscus size around rings suspended in vertical soap films
	A. Vigna-Brummer , A. Monier, C. Brouzet, C. Raufaste
15:10-15:30	Bursting of non-aqueous suspended liquid films induced by the spreading of emulsified droplets
	L. Delance , E. Santanach-Carreras, N. Passade-Boupat, E. Verneuil, F. Lequeux L. Talini

Lecture Hall	S13 Mineral Processing
16:00-16:20	Aqueous foams for the leaching of metallic particles
	A. Rousseau , G. Lefèvre, C. Monteux
16:20-16:40	Green process for mine site depollution: superchaotropic foam flotation of tungsten from ores leaching
	V. Legrand , O. Diat, P. Bauduin, L. Girard, S. Szenknect, M. Bonnemaïson
16:40-17:00	New aqueous foam process for heap-leaching: case of low grade uranium ore
	S. Faure , T. Gentil, F. Frances, A. Grandjean, B. Bossé, N. Durupt
Room 203	S14 Numerical Methods
16:00-16:20	N-bubble staircase driven by high imposed pressure
	P. Grassia , C. Torres-Ulloa, J. Hernández-Montelongo
16:20-16:40	Statistical mechanics of small fluid fraction, two-dimensional foams
	R. M.C. de Almeida , G. L. Thomas, F. Graner
16:40-17:00	Analysis of the non-Newtonian foam flow in porous media
	F. F. de Paula , J. Cedro, I. Igreja, G. Chapiro

Day 3

Lecture Hall	Soft matter in brewing science - beer foam and what brewers know about it
9:15-10:00	Christoph Neugrodda

Lecture Hall	S15 Innovations
10:10-10:30	Guided mechanical self-assembly of bubbles in fibre arrays to reach Kelvin structures
	A. Hourlier-Fargette , M. Jouanlanne, A. Egelé, M. Chammouma, W. Drenckhan, J. Farago
10:30-10:50	Conductance of an electronic surfactant layer at gas-water interface
	C. Bae , S. Albert, H. Idriss, S. Clement, I. Sen, M. Wang, O. Bonhomme, A.-L. Biance
10:50-11:10	Capture of CO ₂ using aqueous foam
	C. Aprili , B. Dollet, G. Coupier, E. Lorenceau

Room 203	S16 Foam Radiography
10:10-10:30	Stress redistribution in flowing liquid foam
	F. Schott S. Gstöhl, C. M. Schlepütz, B. Dollet, C. Raufaste, S. Santucci, C. Claudet, R. Mokso
10:30-10:50	Influence of the Liquid Phase on the Aging and Microstructure of Gas Marble
	P. Gauthier , Y. Khidas, A. Mikhailovskaya, C. Le Coeur, F. Rouyer
10:50-11:10	Neutron radiography of liquid foam structure near a vertical wall
	A. Skrypnik , L. Knüpfer, P. Trtik, V. Tholan, S. Parkes, S. Heitkam

Lecture Hall	S17 Flowing Foam
11:40-12:00	Optical and X-ray imaging of foam flowing through a nozzle: mapping the liquid fraction distribution and the velocity field
	T. Lappan , A. Skrypnik, J. Schmidpeter, N. Shevchenko, S. Eckert, A.-E. S., K. Ecker, S. Heitkam
12:00-12:20	Soap film interface mobility sets spinning drainage dynamics
	A. Monier , K. Gutierrez, C. Claudet, F. Celestini, C. Brouzet, C. Raufaste
12:20-12:40	Interaction between a slab of foam and a plunging jet
	T. Gaichies , A. Salonen, E. Rio

Room 203	S18 Foam Characterization
11:40-12:00	Quantitative measurement of liquid fraction of foam using conductive wire-mesh sensor
	M. Ziauddin , E. Schleicher, P. Trtik, K. Eckert, S. Heitkam
12:00-12:20	Blast wave mitigation by liquid foams
	A. Reinders , J. le Clanche, M. Arrigoni, Y. Grégoire, M. Monloubou, S. Kerampran
12:20-12:40	Ultrasonic measurement to determine temporally and spatially resolved liquid fraction of foam
	H. Emmerich , L. Knüpfer, D. Weik, J. Czarske, P. Trtik, K. Eckert, S. Heitkam

Posters

P1	Foams based on 10-hydroxystearic acid for spore decontamination
	C. Dari, A. Saint-Jalmes, A.-L. Fameau
P2	Flexible bubble generation through the cross-flow generated around a dispensing tip with tunable confinement
	L. Fiorucci, G. Cotte-Carluer, S. Pivard, F. Schosseler, A. Hourlier-Fargette, W. Drenckhan
P3	FOAMQUANT: a 4D Foam Quantification Toolbox
	F. Schott, B. Dollet, C. Raufaste, S. Santucci, R. Mokso
P4	Eco-friendly firefighting foams based on a powder formulation
	S. H. Arellano, A.-L. Fameau, S. Bellayer, M. Jimenez
P5	Properties and applications of monodisperse tannin-based foams
	J. M. Piotrowska, C. Stubenrauch, O. J. Rojas, B. D. Mattos
P6	Adsorption of saponin at water-air and water-oil interfaces in the presence of chemical compounds that are hydrogen bond donors or acceptors and their effect on the emulsion stability
	M. Krzan, W. Kieres, M. Jamróży, S. Kudlacik-Kramarczyk, A. Drabczyk, P. Warszyński
P7	Modified cyclosiloxanes as next generation emulsifiers
	A. Łapeta, M. Frydrych, R. Przekop, A. Olejnik
P8	Effect of salt on foam film stability
	S. Mariot, V. Ziapkoff, A. Salonen, E. Rio
P9	The stability of natural marine foams
	J. Michaud, L. Zig, E. Breton, L. Seuront, F. Elias
P10	Mechanism of saponin-chitosan complexes formation – a molecular dynamics study
	M. Krzan, P. Warszyński
P11	Liquid foam flow through porous media
	A. Salamé, V. Langlois, O. Pitois
P12	Foams as Sensors: Detection of lipase activity with liquid foams
	T. Schad, D. Zauser, A.-L. Fameau, C. Stubenrauch
P13	Bacterial adhesion on a newly designed soap film
	C. Stoica, A. R. Banciu, M. Nita-Lazar
P14	Understanding foam stability with sea water
	V. Ziapkoff, E. Rio, A. Salonen
P15	Subsonic projectile deceleration by liquid foams
	J. Tartière, A. Reinders, M. Monloubou, S. Kerampran