



July 3-6, 2022 | Krakow, Poland / online

Conference Programme



Eufoam 2022, July 3-6 – stationary session

18:00-21:00	Sunday, 3 rd July – welcome reception and registration		
	Monday, 4 th July	Tuesday, 5 th July	Wednesday, 6 th July
08:45-09:00	Opening		
Session	Physical Chemistry of Thin Liquid Films, Foams and Emulsions Chair: Wiebke Drenckham	Foam and Aerogels Stability: Drainage, Coarsening, Coalescence / Film Rupture Chair: Florence Rouyer	Wet Foams, Foam Rheology, Interfacial Rheology, Dynamics of Surfactant-Laden Interfaces Chair: Rajmund Mokso
09:00-10:00	Björn Braunschweig Light-switchable surfactants and their mixtures with polymers for remote control of aqueous foams and interfaces	Emmanuelle Rio Importance of evaporation for bubbles and foams stability	Simon Cox Foams as filters: predicting particle passage through soap films
10:00-10:20	Imene Ben Djemaa , One-step generation of alginate-based hydrogel foams using CO ₂ simultaneously for foaming and gelation	Dominique Langevin , Aqueous foam coarsening studies in the International Space Station	Tobias Lappan , Combining optical and X-ray measurements of an overflowing liquid foam
10:20-10:40	Oriane Bonhomme , Electronic surfactants at interfaces probed by spectroscopic ellipsometry	Wiebke Drenckham , Surprise beyond coarsening: Fluorocarbon vapours Reduce coalescence in foams	Florian Schott , 3D liquid foam flow in an hourglass-like constriction
10:40-11:00	Mickaël Antoni , Influence of surfactant concentration on spontaneous emulsification kinetics	Julien Lamolinairie , When neutrons dive into foam: scattering and reflectivity to follow aging of foams	Artem Skrypnik , Measurement of anisotropic drainage in liquid foam using neutron radiography
11:00-11:30	coffee break	coffee break	coffee break
11:30-11:50	Anna Trybala , Foam formation using soft porous media.	Vasil Georgiev , Foamability of polyvinyl alcohol solutions and efficiency of antifoam agents	Dominika Zabiegaj , Impact of the air pollutants on the lung surfactant: interfacial study
11:50-12:10	Georgi Gochev , Effect of pH on the stability of protein foams	Muhammad Ziauddin , Measurement of liquid fraction of foam by conductive wire-mesh sensor	Fatmegyul Mustan , Interplay between bulk aggregates, surface properties and foam stability of nonionic surfactants
12:10-12:30	Marcel Krzan , Surface properties of saponin-chitosan mixtures	Paulo Teixeira , Dynamics of two-dimensional liquid bridges	Hristina Petkova , Synergy in aqueous systems of bio-surfactants: saponin/pectin mixtures

12:30-14:00	lunch	lunch	Lunch
Session	Foam Structure and Related Packing Problems Chair: Paulo Teixeira	Particles / Aggregates or Fibers in Foams, Aerogels or Thin Liquid Films Chair: Anna Trybala	Industrial Applications of Foams, Emulsions and Thin Liquid Films Novel Materials or Biomaterials in Dispersed Systems (Foams, Aerogels, Emulsions or Thin Liquid Film) Chair: Hristina Petkova
14:00-15:00	Stefan Hutzler The buckling of chains of hard spheres and soft bubbles	Francesca Ravera Nanoparticle – surfactant mixtures at liquid interfaces: properties of the interfacial layer, foams and emulsions	Elena Mileva Self-assembly of antennary oligoglycines in aqueous media: fine-tuning and applications
15:00-15:20	Alexis Commereuc , The foam rise in a tube is driven by the Laplace pressure	Georges Gauthier , Rheology of a particle-laden soap film	Behnam Keshavarzi , Removal of impurities from protein foam in fractionation process by wash water addition
15:20-15:40	Christophe Raufaste , Coupling the shape and motion of bubbles in a confined 2D flowing foam	Manon Jouanlanne Deformation of thin elastic ribbons in quasi-2D foam columns.	Hisham Idriss , Electronic surfactants for use in soap film based sensors and devices
15:40-16:00	Friedrich Walzel , Perturbing the catenoid: stability and mechanical properties of non-axisymmetric minimal surfaces	Nabil Retailleau , Influence of the liquid pressure on granular film opening	Alesya Mikhailovskaya , Emulsions stabilized by clay particles as templates for functional hydrogels
16:00-16:30	coffee break	coffee break	coffee break
16:30-16:50	Haosen Zhang , Modelling dry foam dynamics using the boundary integral method	Rajmund Mokso , Why is X-ray tomographic microscopy a useful tool in foam characterisation	Stéphane Santucci , Long-life micro-balloons: micro-bubble encapsulation by electrostatic templating with ionic surfactants
16:50-17:10	Regimantas Januškevičius , Sum Frequency Generation Spectroscopy for Understanding Architecture of Molecules at Interfaces	Andrew Mellor , Structure and stability of foam at high pressure	Indraneel Sen , A Janus soap film designed to function as an artificial leaf
17:10-17:30	Poster session	Gala Dinner	Closing
17:30-18:10			

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10:00-10:20	Dimitrinka Arabadzhieva , Adsorption Properties and Surface Rheology Study of PEG-8 Dimethicone	Marie Tani , Liquid Pinch-off from a Foamy Droplet in a Hele-Shaw Cell	Masaya Endo , Velocity dependence of spreading behaviors of foam on a substrate
10:20-10:40	Theodor Gurkov , Interfacial behaviour of volatile surface active compounds: adsorption and evaporation	Naoya Yanagisawa , Dynamics of structural relaxation near A dry-wet transition in a two-dimensional foam	Paul Grassia , Surfactant transport between foam films. Around menisci within a five-film foam
10:40-11:00	Hamed Rajabi , Modelling of soluble surfactant transport on and within a foam film	Stéphane Pivard , A winding path to superstable liquid foams stabilized by Polyelectrolyte multilayers	Siân Jones , CO ₂ Foam Behaviour in Carbonate Rock: Effect of Surfactant Type and Concentration
11:00-11:30	coffee break	coffee break	coffee break
11:30-11:50	Agnieszka Chrzanowska , Lysozyme adsorption on mesostructured cellular foams: textural, morphological and surface properties	François Boulogne , The temperature of soap films	Carlos Torres-Ulloa , Foam front propagation in flow reversal
11:50-12:10	Agnieszka Czakaj , Coalescence in ethyl lauroyl arginate - cellulose nanocrystals mixtures; dynamic thin film balance experiments	Angelos T. Zamanis Determination of foam stability through electrical measurements in liquid bridges	Cosima Stubenrauch , Innovative Foam-Based Cleaning Concepts for Historical Objects
12:10-12:30	Mohsen Dabestani , Mixtures of Egg White and Saponin - the Difference between	Anne-Laure Biance ,_Microscopic origins of dissipation in sheared 2D foams: insights from simulations	Carolina Dari , Foam based on alkyl polyglycosides for cleaning pipes contaminated with <i>Bacillus subtilis</i> spores

	Equilibrium and Non-equilibrium Adsorption Layers		
12:30-14:00	lunch	lunch	lunch
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15:00-15:20	Martin Hamann Tuning the pore size of rigid polyurethane foam via controlled air bubble entrainment	Alexis Duchesne , Everlasting bubbles?	Aliyar Javadi , Bacteria Cell Interfacial Properties Influencing Surfactants Adsorbed Layers and Foamability
15:20-15:40	R. J. Pugh , Foams and bubbles in food and chocolate	Anne-Laure Fameau , Non-aqueous foams stabilized by fatty acid crystalline particles	Pradipta Chattopadhyay , Review-the impact of coffee making processes and parameters on the characteristics of coffee foam
15:40-16:00	Inés Hernández , Natural saponin-based surfactant: foam properties	Marta Szczech , Nanoemulsion template method for preparing polymeric nanocarriers	
16:00-16:30	coffee break	coffee break	coffee break
16:30-16:50	Benjamin Dollet , Prediction of confined foam flows in complex geometries: the example of the negative wake		
16:50-17:10	Marie Le Merrer Setting of mineral foams: reaction kinetics vs solidification		
17:10-17:30	Poster session		Closing
17:30-18:10			