

Synergistic Effects in Amphiphilic Systems

22nd European Detergents Conference (EDC) – Jahrestagung der GDCh-Fachgruppe Chemie des Waschens

14.10.2026 – 09:00–17:00

09:00–09:30

RESOLV – a Cluster of Excellence Devoted to Boosting Product Formulation

Prof. Dr. Gabriele Sadowski (Technische Universität Dortmund)

09:30–09:50

Tuning Surfactant Performance via Heteroaromatic Motifs: Linking Hydrophobicity to Interfacial Behaviour

Bo Gu (Imperial College London | Bioataraxis Ltd)

09:50–10:10

Orthogonal Self-Assembly of Biosurfactant Wormlike Micelles and a Bis-Urea Gelator for Sustainable Rheology Modification

Angelita Krama (Henkel AG & Co. KGaA | Universität Stuttgart)

10:10–10:30

Biosurfactants for Forming Nanoemulsions with Triacylglycerides

Prof. Dr. Michael Gradzielski (Technische Universität Berlin)

10:30–11:00

Break and Scientific Poster Session

11:00–11:20

Detergent Conjugation Decouples Drug Solubility from Antibacterial Potency

Dr. Leonhard Urner (Technische Universität Dortmund)

11:20–11:40

Data-Driven Discovery: How AI and Machine Learning Accelerate Enzyme Innovation at Novonosis

Marco Malten (Novonosis)

11:30–12:00

Towards Efficient Solubilization of Medium-Chain Triglycerides Using Mixtures of Nonionic and Anionic Surfactants

Abdulhamid Hejazi Almidani (Universität Stuttgart)

12:00–12:15

Break

12:15–12:45

The Role of Amphiphilicity in Antimicrobial Polymers

Dr. Matthias Hartlieb (University of Potsdam | Fraunhofer Institute for Applied Polymer Research IAP)

12:45–13:15

Award Session: Young Scientist Award of the GDCh Division of Detergent Chemistry

Hannah Moog (Hochschule Niederrhein | Henkel AG & Co. KGaA)

Frederic Finke (Bergische Universität Wuppertal | Henkel AG & Co. KGaA)

Dr. Marius Simon Enstrup (Technische Universität Clausthal)

13:15–14:30

Break and Scientific Poster Session

14:30–15:00

Surfactants at Soft Interfaces: From Biolubrication to Hollywood Falling Snow

Prof. Dr. Wuge Briscoe (University of Bristol)

15:00–15:30

Surfactants in Harmony: Mastering Surfactant Synergies for Developing more Sustainable Formulations

Dr. Joachim Venzmer (Evonik Operations GmbH)

15:30–15:45

Break

15:45–16:05

Interaction of Hydrophobically Modified Polyelectrolyte Complexes with Lipid Membranes

Tatiana Ponomareva (Technische Universität Berlin)

16:05–16:25

Evaporation in Multicomponent Systems of Volatile Amphiphiles: Interplay of Geometry, Composition, Diffusion and Interfacial Processes

Dr. habil. Larisa Tsarkova (Deutsches Textilforschungszentrum Nord-West)

16:25–16:45

Phase Diagrams of Sodium Linear Alkyl Benzene Sulfonate in Ionic and Nonionic Cosurfactant Solutions

PhD Veronika Yavrukova (Sofia University, Bulgaria)

16:45–17:00

Poster Awards and Closing