

The Science Behind the Clean

21st European Detergents Conference (EDC) – Jahrestagung der GDCh-Fachgruppe Chemie des Waschens

15.10.2025 – 09:00–17:00

09:00–09:05

Welcome

Prof. Birgit Glösen (Technische Hochschule Köln)

09:05–09:35

Foams, Bubbles, and Interfaces: The Unsung Heroes of Efficient Cleaning

Dr. Wiebke Drenckhan-Andreatta (CNRS / University of Strasbourg)

09:35–09:55

Surfactant-Chelating Agent Interactions. Impact on Bulk and Surface Properties

Josmary Velásquez (Nouryon Surface Chemistry AB / Chalmers University of Technology)

09:55–10:15

Wetting and Morphology of Deposits from Cationic/Nonionic Surfactants on Solid Surfaces

Dr. Veronika Yavrukova (Sofia University)

10:15–10:45

Break and Scientific Poster Session

10:45–11:05

Properties of New Catanionic Surface Active Ionic Liquids: Aqueous Self-assembly and Efficient Stabilization of EAN-microemulsions

Jessica Bauhof (Universität Stuttgart)

11:05–11:25

Innovation Alliance Biosurfactants – Microbial Biosurfactants from Lab to Application

Dr.-Ing. Alexander Beck (Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB)

Dr. Stefan Müller (DALLI-WERKE GmbH & Co. KG)

11:25–11:45

Formulating with Biosurfactants - The Physical Chemistry behind the Competition between Protons and Water Hardness

Dr. Joachim Venzmer (Evonik Operations GmbH)

11:45–12:00

Break

12:00–12:30

The Physics of Clean: Tracking the Mechanisms of Action in Detergent Systems

Dr. Matthias Kellermeier (BASF SE)

12:30–12:45

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

Lena Nielinger (Technische Universität Dortmund)

Moritz Stanek (Henkel AG & Co. KGaA / Universität Wuppertal)

12:45–13:15

General Meeting of the Members of the GDCh Division of Detergent Chemistry

13:15–14:40

Break and Scientific Poster Session

14:40–15:10

Nonequilibrium Processes of Polymeric Self-Assemblies at Interfaces and in Dispersion

Felix Plamper (TU Bergakademie Freiberg)

15:10–15:30

Hybrid Detergents Enable Biocompatible Consumer Products and Medical Research

Dr. Leonhard H. Urner (Technische Universität Dortmund)

15:30–15:45

Break

15:45–16:15

Tailored Amphiphilic Block Copolyethers via Metal-Free Polymerization Catalysis

Prof. Dr. Stefan Naumann (Universität Freiburg)

16:15–16:35

Alkoxylation: Sustainable Surfactant Innovation - Historical Foundations to Modern Challenges

Dr. Simon Graßl (Clariant Produkte Deutschland)

16:35–16:55

Utilizing Nobel Prize-winning AI Innovations to Revolutionize Enzyme Engineering for Homecare

Lars Giger (Novonesis)

16:55–17:00

Poster Awards and Closing