



Awarded...

Bunsen Medal to M. Buback

The German Bunsen Society for Physical Chemistry (Bunsengesellschaft für Physikalische Chemie) presented Michael Buback (University of Göttingen) with the Bunsen Medal during their annual symposium. The medal has been awarded since 1908 to those who have provided outstanding service through their scientific or practical work to physical chemistry.



M. Buback

Buback is recognized for his work on the kinetics and control of radical polymerization reactions and on processes in supercritical fluids (e.g. radical polymerization in supercritical CO₂), as well as on reaction kinetics in general. He recently reported in *Angewandte Chemie* on the interplay of spectroscopy, quantum chemistry, and theory in the ultrafast decarboxylation of organic peroxides in solution.^[1a] and in *Macromolecular Chemistry and Physics* on the termination kinetics of the

radical polymerization of butyl methacrylates.^[1b]

Buback received his chemistry degree in 1967 from the University of Karlsruhe and completed his PhD there in 1972 under the supervision of E. U. Franck on the vapor pressure, density, and electrical conductivity of ammonium chloride up to the critical point. In 1978 he completed his habilitation in physical chemistry with his investigation on the high-pressure polymerization of ethylene with quantitative infrared spectroscopy at high pressures and temperatures. He became professor for applied physical chemistry at the University of Göttingen in 1981. In 1989 he was awarded the Carl Duisberg Memorial Prize by the German Chemical Society (Gesellschaft Deutscher Chemiker, GDCh), and a year later received the DECHEMA Award from the Max Buchner Foundation (Max-Buchner-Stiftung). He has been professor for technical and macromolecular chemistry at the Institute for Physical Chemistry at the University of Göttingen since 1995.

Nernst–Haber–Bodenstein Award to C. Stubenrauch

The Nernst–Haber–Bodenstein Award of the Bunsen Society for Physical Chemistry in 2007 was awarded to Cosima Stubenrauch (University College Dublin). This award has been presented by the Bunsen Society since 1953 for outstanding work of young scientists in physical chemistry. Stubenrauch studied chemistry at the Universities of Münster and Freiburg in the research group of H. Finkelmann. She completed her PhD in 1997 on microemulsions with alkyl glycosides^[2a] in the group of G. H. Findenegg at the Technical University of Berlin, where along

with C. Schalley she received the Schering Award for the best chemistry dissertation of the year. She undertook a year of postdoctoral research with D. Langevin at the Université Paris-Sud and then completed her habilitation in the group of R. Strey at the University of Cologne on the influence of surfactant structure on the stability of films and foams.



She published a Minireview article on this topic in *ChemPhysChem* with the title "What Do a Foam Film and a Real Gas Have In Common?"^[2b]

In 2005 she received the Carl Duisberg Memorial Prize of the German Chemical Society. Since 2005 she has been a lecturer at the University College Dublin, where she coordinates a Marie Curie Research Training Network of the EU on self-organization under confinement. Her research interests include the stability of thin films and foams, the phase behavior of microemulsions, polymers with large surface areas, metal nanoparticles, lyotropic liquid crystals, and new surface-active substances.

- [1] a) B. Abel, J. Assmann, M. Buback, M. Kling, S. Schmatz, J. Schroeder, *Angew. Chem.* **2003**, 115, 311; *Angew. Chem. Int. Ed.* **2003**, 42, 299; b) M. Buback, T. Junkers, *Macromol. Chem. Phys.* **2006**, 207, 1640.
[2] a) D. Nickel, W. von Rybinski, E.-M. Kutschmann, C. Stubenrauch, G. H. Findenegg, *Lipid/Fett* **1996**, 98, 363; b) C. Stubenrauch, *ChemPhysChem* **2005**, 6, 35.

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