

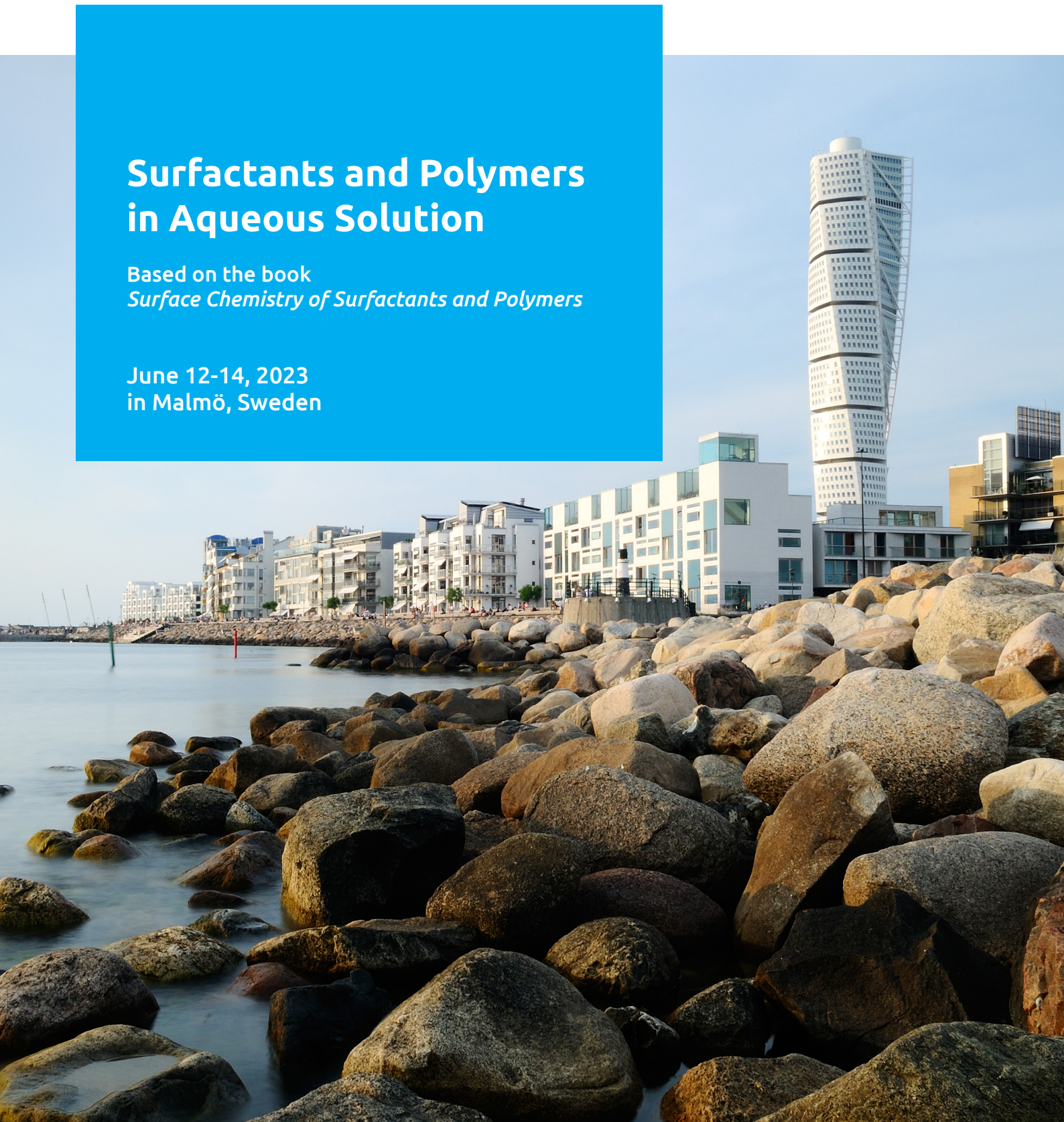


QUALITY BY
UNDERSTANDING

Surfactants and Polymers in Aqueous Solution

Based on the book
Surface Chemistry of Surfactants and Polymers

June 12-14, 2023
in Malmö, Sweden



CR Competence AB
c/o Chemical Centre, Lund University
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Course Description

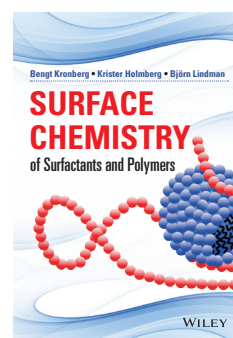
This three-day intensive course provides a comprehensive overview of the chemistry related to the behavior of surfactants and polymers in solution and at interfaces within formulation science. All important aspects of surfactants and water-soluble polymers, as well as combinations of the two, are covered during the course. Examples of topics are environmental and health aspects of surfactants, surfactant self-assembly, surfactant and polymer adsorption, mixed surfactant systems and surfactant-polymer systems in solution and at interfaces, polymers in solution, wetting, surface and interfacial tension, microemulsions, emulsions and foams, solid dispersions and colloidal stability.

Surfactants and polymers are key players in formulations in a wide range of application areas, including detergents, cosmetics, pharmaceuticals, food, and coatings. The surface and colloid chemistry that is taught and discussed on the course is, to a large extent, generic and applicable to many of the aspects of formulation science and technology in these areas. Reference to practical uses of surfactants and water-soluble polymers will be made in the lectures.

The course is of interest to scientists, engineers and project managers working in the above-mentioned, or related areas. The applicants are required to have general academic qualifications in chemistry, but no particular formal education in surface chemistry is required. All lectures and notes will be in English.

The book, Surface Chemistry of Surfactants and Polymers, is included in the course fee. Two of the three authors of the book will be lecturing at the course.

The course has been given since 1993 and it has been updated continuously. In previous years the course has attracted participants from almost every European country, as well as from the USA, Mexico, Venezuela, Brazil, Argentina, Singapore, China and South Korea.



The lecturers

Prof. Björn Lindman

Professor in Physical Chemistry at Lund University, Sweden, where he has built up a large international research group focusing on colloid and interface science. Over the years he has been a Visiting Professor at several top universities all over the world and has received several prestigious honors and awards. He has also been the President of the International Association of Colloid and Interface Scientists. Prof. Lindman has published more than 500 papers, co-authored 3 books and edited more than 10 books in the field of surface and colloid chemistry.



Furthermore, he serves on the editorial and advisory boards for a number of international journals and is a well-known lecturer and *consultant for industry worldwide*. Prof. Lindman has carried out extensive research in the areas of *surfactant self-assembly, surfactants, polymers and their mixtures at interfaces, polymer-surfactant interactions, microstructure determination, lipid organization and micro-emulsions*.

Prof. Krister Holmberg

Professor in Applied Surface Chemistry at Chalmers University of Technology, Gothenburg, Sweden. He is a former Director of the Institute for Surface Chemistry in Stockholm (1991–1998). Prior to that he worked in industry for 24 years, most recently as Research Director of Berol Nobel, a Swedish surfactants company (now AkzoNobel Surface Chemistry). His research interest covers *surfactant chemistry, with an emphasis on environmentally benign surfactants, synthesis and applications of nanomaterials, use of micro-emulsions as reaction media, and biotechnological surface chemistry*.



Prof. Holmberg has published around 300 papers, is the author or editor of 7 books and is cited as the inventor or co-inventor on 37 patents. He *consults for industry* and he is Editor of Current Opinion in Colloid and Interface Science, as well as a member of the Editorial Board of several other journals.

Lectures

- **Adsorption of surfactants at solid surfaces**
- **Aqueous polymer systems**
- **Polymer adsorption at solid surfaces**
- **Surface and interfacial tension**
- **Mixed surfactant systems**
- **Surfactant-polymer systems**
- **Microemulsions**
- **Colloidal stability**
- **Wetting, hydrophilization and hydrophobization**
- **Solid dispersions**
- **Foaming and foaming agents**
- **Emulsification and emulsifiers**



Course Description

- The course will be held in Malmö, Sweden, at Studio Malmö.
www.studiomalmo.com
- The course will start at 8:45 on Monday, June 12 and end on Wednesday, June 14 at 15:00
- The course fee includes printed lecture material and the book Surface Chemistry of Surfactants and Polymers (Wiley Ed.).
- The course language is English.
- An option to attend on-line will be provided. If attending on-line, the lecture material and book will be sent to the attendee in advance.
- When attending in Malmö, refreshments and three lunches are included as well as an evening meal together on Monday. Accommodation is not included in the course fee.

Registration and Cancellation

- Course fee is 24 000 SEK or 2 300 EUR. When invoiced, Swedish VAT (25%) will be added to all registration fees in accordance with article 53 of the EU VAT directive. When applicable, your company/organization can reclaim that VAT to your Tax Authority.
- 10% reduction will be available for two or more enrolments from the same company at the same time for the same course.
- Price includes the book "Surface Chemistry of Surfactants and Polymers". Please note that accommodation is not included in the course fee. However, a code for a 21% discount at Story Hotel (located in the upper floors of the venue) will be received upon registration.
- Registration shall be made using this registration link, which can also be accessed from our website www.crcom.se

[Register here](#)

- Early bird registration (10% course fee reduction): March 10, 2023.
- Last day for registration is May 5, 2023.
- Registration will be confirmed and accompanied by a course schedule and further practical information. We will also issue an invoice for the course fee amount to be paid.
- Cancellations with full refund can be made up until March 10, 2023. For cancellations after March 10, 2023, 50% of the course fee will be invoiced, and cancellations after May 5, 2023 will be invoiced in full.
- Substitutions are allowed at any time from the same company or institute.

Venue and Accommodation

The course will be held at

Studio Malmö

Nordenskiöldsgatan 24, 211 19 Malmö (Sweden)

www.studiomalmö.com

Accommodation is to be arranged by the participant, hence it is not included in the course fee. For convenience we recommend staying at Story Hotel located in the upper floors of Studio Malmö. A code for a 21% discount at Story Hotel will be received upon registration. www.storyhotel.com

Studio Malmö is conveniently located close to the central station in Malmö, a short 30 min train ride from Copenhagen Airport.

