

Fourth Scandinavian Workshop on Scattering from Soft Matter

Program

Thursday, February 1

12:00-13:00 Registration & Coffee

13:00-13:15 Welcome

Session 1 Chairman – Malin Zackrisson

13:15-13:40 Jon Otto Fossum, Norwegian University of Science and Technology, Trondheim (Norway)
Electric Polarization and Chain Formation of Nano-Layered Particles

13:40-14:05 Kell Mortensen, Risø National Laboratory, Danish Technical University, Roskilde (Denmark)
Structural Properties of Polymer Membranes for Fuel Cell Applications

14:05-14:30 Christiano Oliveira, Department of Chemistry and iNANO Interdisciplinary Nanoscience Center & Department of Molecular Biology, University of Aarhus, Aarhus (Denmark)
SAXS Studies on Structure and Conformational Changes in the Exon Junction of Core Complex

14:30-14:55 Petra Bäverbäck, Department of Chemistry and iNANO Interdisciplinary Nanoscience Center, University of Aarhus, Aarhus (Denmark)
C12E6 and C12maltoside Mixed Micelles Studied with SAXS, SANS, and Light Scattering

14:55-15:20 Coffee

Session 2 Chairman – Justas Barauskas

15:20-15:45 Vasil Garamus, GKSS Research Centre, Geesthacht (Germany)
SAXS and SANS Investigations at GKSS: Current Status of BioSAXS Beamline at PETRA-3

15:45-16:10 Ritva Serimaa, Department of Physical Sciences, University of Helsinki, Helsinki (Finland)
X-Ray Scattering Studies on Plant Cell Wall Structure

16:10-16:30 Yngve Cerenius, MAX-Lab, Lund University, Lund (Sweden)
SAXS at MAX – Current Status

16:30-18:00 Posters
Visit in the SAXS Beamline & Refreshments

18:45 Dinner at Pelarsalen

Friday, February 2

Session 3 Chairman – Matti Knaapila

08:45-09:05 Peter Holmqvist, Forschungszentrum Jülich, Jülich (Germany)
Anisotropy of Brownian Motion Close to a Wall and the Influence of Static Particle Wall Interaction

09:05-09:30 Per Linse, Department of Physics, Uppsala University, Uppsala (Sweden)
*On the Evaluation of *p*NIPAAm Polymer Brush Structures from Neutron Reflectivity Measurements*

09:30-09:55 Carsten Svaneborg, Department of Chemistry, University of Aarhus, Aarhus (Denmark) & Max Planck Institute for the Physics of Complex Systems, Dresden (Germany)
Scattering from Polymer Networks under Elongated Strain

09:55-10:20 Fenxiao Guo, Danish Polymer Centre, Department of Chemical Engineering, NanoDTU, Technical University of Denmark, Lyngby (Denmark)
*How Different Cross-Linking Degrees of Polybutadiene Changes Structure and Properties of Selectively Etched 1,2-Polybutadiene-*b*-polydimethylsiloxane Block Copolymers*

10:20-10:45 Coffee

Session 4 Chairman – Yngve Cerenius

10:45-11:10 Justas Barauskas, Physical Chemistry 1, Center for Chemistry and Chemical Engineering, Lund University, Lund (Sweden)
Lipase Action on Self-Assembled Lipid Liquid Crystalline Nanoparticles

11:10-11:35 Bente Vestergaard, Faculty of Pharmaceutical Sciences, University of Copenhagen, Copenhagen (Denmark)
SAXS Analysis of Insulin Amyloid Fibrils

11:35-12:05 Katrine Toft, Faculty of Pharmaceutical Sciences, University of Copenhagen, Copenhagen (Denmark)
BioXtas – A New Approach to Studies of Protein Structure: SAXS in a μ TAS

12:05-12:30 Discussion & Concluding Remarks
— Ulf Olsson