

Science Symposium on Advances in Sample Environment and Experimental Control

Thursday 10 September 2015 - Friday 11 September 2015

Universitetshuset, Lund, Sweden

Programme

Advances in Sample Environment and Experimental Control

Lund, September 10-11, 2015

Thursday 10th September

09:00

Registration and Coffee

10:00

Welcome and Overview of SAS Instruments at ESS and MaxIV

LoKI at ESS

A Jackson

SKADI at ESS

S Jaksch

CoSAXS at MaxIV

T Plivelic

10:20

SANS sample environment at NIST past, present and future: from lessons learned to new opportunities

P Butler

10:45

Soft Matter Sample Environments at ISIS - continuous challenges and how collaborative efforts are proving to be effective

A Church

11:10

Understanding Complex Materials with X-rays and Neutrons - realistic conditions and samples

A Rennie

11:35

Development of microfluidic sample environments for BioSAXS applications

B Vestergaard

12:00

Lunch

13:00

Design and Implementation of a Differential Scanning Calorimeter for the Simultaneous Measurement of Small Angle Neutron Scattering
E Gilbert

13:20

Sample environments and GiSAXS at ALS
C Zhu

13:40

SANS under high pressure: an overview and recent developments of pressure cells at the ILL
R Schweins

14:00

Small, low-cost SAXS sample environments to fit your hand luggage – and your wallet
A Squires

14:20

Coffee

14:45

ESS and MaxIV Tours

Bus will depart at 14:45 for a bus tour of the ESS site. We will then have a walking tour of MaxIV followed by some refreshments. The following workshop sessions will be held at MaxIV.

17:00

Experimental Control at MaxIV and ESS

Experimental Control at MaxIV

Experimental Control at ESS
J Taylor

Sample Environment at ESS

A Pettersson

17:30
Brainstorming 1 Future Sample Environment Needs for SANS and SAXS
Chair: P Schurtenberger

19:00
Dinner *The bus will depart from MaxIV at 18:45*

<u>**Friday 11th September**</u>

08:30

Review of Brainstorming

09:00
Sample environments for X-ray Photon Correlation Spectroscopy (XPCS)
M Sprung

09:20
Combining light and neutron scattering: review of a first assembly
A Völker

09:40
New lights on multimeric enzymes – A combination of chromatography, SAXS and spectroscopy
C Dicko

10:00

Coffee

10:30

Travels with an itinerant magnet: Bringing specialised equipment to facilities
A Holmes

10:50

The partnership for Soft Condensed Matter in Grenoble: enhanced user support and development
for SAS experiments
Y Gerelli

11:10

Spice up your beamtime experience with exciting sample environments
W Bras

11:40

Brainstorming 2 Perspectives, Challenges, Synergies

Chair: C Quitmann

12:30

Lunch

13:30

Meeting Summary and wrap-up
A Jackson T Plivelic

14:00

Discussion and Report writing

16:00

Meeting Close

