



Svenska Neutronspridningssällskapet

www.snss.se



“The Swedish Neutron Week”

SwedNess & SNSS Annual Meetings 2018

RMC Workshop + SWEbeams

Chalmers, Gothenburg, 23–26 April 2018

We are happy to announce that “The Swedish Neutron Week”, including SwedNess & SNSS annual meetings and a RMC/ pdf workshop, will be held in Göteborg 23rd to 26th of April 2018 at hotel 11:an and at Chalmers University of Technology, Göteborg, Sweden. The event is jointly arranged by SNSS, SwedNess and Chalmers Area of Advance (Materials).

The scope of the “Neutron Week” is to enhance and identify different actors, and needs, in the “neutron scattering area” either having interest in methods development and/ or as users promoting communication and joint actions between the scientific community, facilities, companies and grant givers. By encouraging actions between universities, industry and facilities (both neutron and synchrotron) the efficient use, and coordination of resources, can be enhanced.

Presentation of neutron instrument design efforts (including sample environment and software) and possibilities to investigate materials targeted for application in for example pharmaceuticals, drug delivery, next generation energy technologies, including batteries, fuel cells, solar cells, and thermoelectrics, will be highlighted. In particular, there is a focus on the new capabilities offered by ESS and MAXIV.

[Support with hotel booking to be found here](#)

Registration deadline March 31st 2018.

Particularly we encourage participants to give an oral presentation or to bring a poster. All posters will be presented (2 minutes) in the afternoon Tuesday April 24th.

Welcome!

SNSS, SwedNESS and AoA Materials, Chalmers

[Maps to be found here](#)



Preliminary program outline

Monday April 23, 2018

(Room: Teatern, 11:an – see map here)

This ½ day is open for everyone interested in the current and future activities linked to SwedNess

- 12:00 – 13:30 Lunch / Welcome (Sponsored by SwedNess)
- 13:30 – 15:00 SwedNess so far + Future – “Report” (Kristina, Martin, Student Representatives)
- 15:00 – 15:30 Coffee
- 16:00 – 17:00 Courses/Extended Stay – Information and Discussions (Martin/DoS + everyone)
- 17:00 – 18:00 Parallel Closed Sessions
- SwedNess PhD Student “Private Session”
 - SwedNess Board, SwedNess Management, SSF
- 18:00 – 18:45 Thematic Lecture – “Science Presentation” – Richard Brierley, Nature Communications
- 18:45 – 19:30 Check-in at Hotel 11:an
- 19:30 – ... SwedNess Dinner

Tuesday April 24, 2018

(Room: Teatern, 11:an – see map here)

SwedNess session open for everyone

- 08:30 – 09:15 This is SwedNess / SSF / NNSP / Nordforsk
- 09:15 – 10:00 Invited Talk #1 – Jens Birch, LiU – “Swedish Neutron Technologies”
- 10:00 – 10:30 Coffee Break
- 10:30 – 11:10 Invited Talk #2 – Johannes Schlipf, TUM – “GISANS (TBC)”
- 11:10 – 11:50 Invited Talk #3 – Mats Qvarford, Tetra Pak – “Utilization of X-rays and Neutrons (TBC)”
- 11:50 – 12:00 SWEbeams – short presentation (Fredrik Hörstedt)
- 12:00 – 13:00 Lunch (Sponsored by SwedNess)
- 13:00 – 19:00 SNSS Program
- 13:00 – 13:10 SNSS – short presentation (Sten, Marite)
- 13:10 – 14:00 “Swedish” activities at ILL, RAL, ESS, etceteras (3-4 x 15-20 min presentations)
- 14:00 – 14:45 Student/post doc presentations (3 x 15 min)
- 14:45 – 15:05 Coffee Break
- 15:05 – 15:25 Invited #5 - (Astra Zeneca)
- 15:25 – 15:45 Invited #6 - (ILL representative) – TBC !!!
- 15:45 – 16:05 Invited #7 - (IMAT – RAL)
- 16:05 – 16:25 Invited #8 - (IFE/Kjeller)
- 16:25 – 17:15 SwedNess/ SNSS poster pitches (2 min x 25 students?)
- 18:15 – 20:00 Poster session (snacks, refreshments)
- 20:00 – ... SNSS Dinner



Wednesday April 25, 2018

(Room: Teatern, 11:an – see map here)

- 09:00 – 12:00 SNSS Program (*continued*)
09:00 – 09:20 Invited #9 (Robert ? – RAL)
09:20 – 10:20 Invited #10 (Andreas, Arno, Ken, Wojciech – ESS)
Overview of in-kind/collaborative possibilities in the ESS Science Directorate (Andreas)
Possibilities in instruments (Ken)
Possibilities in sample environment and labs (Arno)
Possibilities at DMSC (Wojciech)
10:20 – 10:40 Follow up discussion (Andreas, Arno, Ken, Wojciech - ESS)
10:40 – 10:55 Coffee Break
10:55 – 12:25 Student / post doc presentations (6 x 15 min presentations)
12:25 – 12:30 Closing remarks (Sten, Marite)
12:30 – 13:30 Lunch

(Room: xxx, Chemistry – see map here)

- 13:30 – 18:00 RMC Workshop
14:00 – 15:00 Introduction to RMC/ pdf (Helen Playford, Wojciech Slawinski)
15:00 – 16:30 Practical sessions
13:30 – 16:00 SWEbeams session, in parallel with the RMC/ pdf (Fredrik Hörstedt, Margareta Wallquist)
16:30 – 17:00 Coffee Break
17:00 – 18:30 Practical sessions/ Lab tours
19:00 – ... RMC Dinner

Thursday April 26, 2018

(Room: xxx, Chemistry – see map here)

- 08:30 – 12:30 RMC Workshop (*continued*)
08:30 – 10:00 *Practical sessions/ Lab tours*
10:00 – 10:30 *Coffee Break*
10:30 – 12:00 *Practical sessions/ Lab tours*
12:00 – 12:30 *Summing up, concluding remarks*

23 April, 13:00 – evening

The first part of the SwedNess annual meeting starts with a half day of information and discussion sessions related to recruitment process, courses and other activities. This part will mostly be of interest to the SwedNess PhD students, supervisors and management, but it is of course also open for anyone interested in our current activities and future plans. Some parallel sessions dedicated to separate student discussions and SwedNess management are also scheduled. The evening will end with a thematic lecture on “Scientific Presentation” and finally a dinner.

24 April, 08:00 – 13:00

The second part of the SwedNess annual meeting include a general presentation of what SwedNess is and what we do/will do for the Swedish and Nordic neutron scattering community. Following such introductory session, a set of thematic lectures will be given related to state-of-the-art neutron facilities as well as recent highlights of results obtained by academia as well as industry.

24 April, 13:00 – evening

The first part of the SNSS annual meeting additional thematic lectures will be presented related to state-of-the-art neutron facilities as well as highlights of results obtained by academia and/or industry. In addition PhD students and post docs are given the opportunity to present their work either in the form of posters or give oral contributions, and finally there will be a dinner.

25th April, 09:00 – 12:30

The second part of the SNSS annual meeting will inform about instrument development and upgrade projects with Swedish involvement at neutron facilities like ILL and ISIS. Student and post doc presentations will follow and there will be room for a SNSS board meeting.



Svenska Neutronspridningssällskapet

www.snss.se



[Info on the RMC/pdf Workshop](#)

A workshop with focus on pdf and reverse Monte Carlo analysis of total scattering data, very powerful tools when it comes to studies of e.g. local order and vacancy distribution in materials, is planned April 25th and 26th. Background and hands-on exercises will be presented and supervised by Helen Playford and Wojciech Slawinski from the ISIS neutron spallation facility at Rutherford Appleton Laboratory in UK. More info on RMC can be found at: <http://wwwisis2.isis.rl.ac.uk/rmc/>