



*A biannual seminar on use of large-scale infrastructure
(synchrotron x-ray and neutron sources) by the metals industry*

10.00 Welcome to the Metalbeams spring seminar (Rachel Pettersson, Jernkontoret)

Introduction to the seminar and Metalbeams activities.

10.10 Industrial use of large-scale facilities - examples

Representatives from industry tell their success stories on how large-scale facilities can be used to answer industrially relevant research questions.

- Phase transformation and precipitate formation during heat treatment and welding of stainless steels (Jan Y Jonsson, Outokumpu Stainless)
- Characterization of residual stresses at sheared, milled and laser cut edges in martensitic steels (Sven Erik Hörnström, SSAB)
- Using synchrotron tomography for in situ study of cast irons (Peter Skoglund, Scania och Torsten Sjögren, RISE)
- In operando XPS of the Mg assisted Al_2O_3 break-up process (Lars-Åke Näslund, Gränges)

11.10 The METALSF project (Peter Hedström, KTH)

Information about a project on Education and Community building regarding large-scale facility R&D for metals

11.25 Vinnova's funding activities for industrial engagement in large scale n/x infrastructure
(Maria Öhman, Vinnova)

A short update from Vinnova.

11:35 Ideas from n/x-experts

Experts from Swerim (Tuerdi Maimaitiyili and Konstantin Simonov) and RISE (Emanuel Larsson and Shun Yu) give a brief presentation on their ideas on how to address key challenges identified in last year's workshop and invite further discuss these ideas during lunch

11.50 Metalbeams autumn seminar: In-situ and time-resolved capabilities

Ideas and input from the audience

12:00 Lunch