

Invitation to online seminar

Insights into LSI industrial pilot projects

Wednesday 14th April, 13.00-16.00

MetalBeams is an initiative within SIP Metallic Materials, run by Jernkontoret, Swerim and RISE, to encourage the use of large-scale infrastructure (synchrotron x-ray and neutron sources) by the metals industry.

In view of the current covid-19 crisis and consequent travel restrictions, the Spring 2021 seminar will be online. The focus will be on industrial pilot projects which received funding from the first Vinnova calls in 2018.

12.45	Meeting opened to allow connection check	
13.00	Introduction to MetalBeams	Rachel Pettersson, Jernkontoret
13.05	Short overview of synchrotron and neutron facilities used by Swedish researchers	Konstantin Simonov, Swerim Shun Yu, RISE
13.20	Nyheter och kommentarer från Vinnova	Maria Öhman, Vinnova
13.30	In-situ neutron scattering analysis of the early stages of phase separation in duplex stainless steels at elevated temperature (2018-03258)	Peter Hedström, KTH, Jan Y. Jonsson, Outokumpu Stainless AB James Oliver, Outokumpu Stainless AB, Anette Nørgaard Hansson, Haldor Topsoe A/S Sten Wessman, Swerim AB,
13.40	Characterization of secondary carbides in commercial steel grades using small angle neutron scattering experiments (2018-04412)	Erik Claesson, Swerim AB Robin Nilsson, SSAB EMEA AB, Christos Oikonomou, Uddeholm AB, Mattias Thuvander, GTH,
13.50	Quantitative characterization of chemically complex low alloyed high strength tempered martensitic steels using ASAXS (2018-04413)	Erik Claesson, Swerim AB Diana Orrling, SSAB EMEA AB Fredrik Lindberg, Swerim AB, Peter Hedström KTH,
14.00	Questions and discussion	
14.10	Short break	
14.20	Study of precipitates in an additively manufactured maraging steel using small angle neutron scattering (2018-04432)	Taoran Ma, RISE IVF, Christos Oikonomou, Uddeholms AB,
14.30	Understanding heat-treatment of Hybrid Steel® using in-situ and ex-situ synchrotron X-ray diffraction (2018-04433)	Mattias Thuvander, Chalmers Fredrik Lindberg, Ovako Sweden AB,
14.40	Residual stress measurements in Hardox™ high strength steel using neutron diffraction (2018-04427)	Fredrik Lindberg, Swerim Christina Bjerkén – Malmö Universitet Torbjörn Narström - SSAB Special steels AB, Lena Ryde, Sten Wessman - Swerim AB, Jakob Blomqvist, MaU
15.50	Questions and discussion	
15.00	Short break	
15.10	Development of hydrogen barrier coatings for fuel cell applications (2018-04407)	Jan Froitzheim / Maths Karlsson, Chalmers, Ulf Bexell, Sandvik Materials Technology,
15.20	Improved steel cleanliness analysis with inclusion detection and quantification using synchrotron X-ray microtomography (2018-04418)	Niklas Kojola, SSAB AB. Fredrik Lindberg, Swerim AB, Emanuel Larsson, RISE,
15.30	Deoxidation of stainless steel during high temperature vacuum brazing, studied with PEEM at MAX IV (2018-04404)	Axel Knutsson, Alfa Laval Lund AB, Filip Lenrick, Lund University, Anders Mikkelsen, Lund University
15.40	Questions and discussion	
15.50	Conclusions	Fredrik Lindberg, Swerim
16.00	End of seminar	



Please register by 10th April at the latest and we will send you a link for participation.
<https://jernkontoret.wufoo.com/forms/insights-into-lsi-industrial-pilot-projects/>

Contacts for more information:

Rachel.Pettersson@jernkontoret.se

Fredrik.Lindberg@swerim.se

Albin.Stormvinter@ri.se