

Welcome



MetalBeams workshop on *in situ* scattering at MAX IV October 21-22, 2024

Lunch to lunch event including a real-time measurement at DanMAX Beamline



Agenda Day 1 (Monday October 21)

Conference room: MAX III

11.00-12.00	Arrival and check-in at MAX IV	MAX IV 4 th floor
12:00-13:00	Lunch	Canteen
13:00-13:20	Welcome	Magnus Fredriksson (Alfa Laval) Magnus Larsson (MAX IV) Rachel Pettersson (Jernkontoret)
13:20-14:00	4th Generation Synchrotrons Revolutionise Materials Research: a Cook Book	Bernd Hinrichsen (Momentum Transfer)
14:00-14:40	Understanding precipitation processes in steels through time-resolved high-temperature SAXS/WAXS experiments	Magnus Hörnqvist Colliander (Chalmers)
14:40-15:00	Coffee break	Canteen
15:00-15:40	Diffraction microscopy from millimeter to nanometer	Jesper Wallentin (LU)
15:40-16:20	Exploring metal microstructures and their evolution in 3D through x-ray tomography and 3DXRD	Stephen Hall (LTH)
16:20-17:00	MAX IV research and update	Joachim Schnadt (MAX IV)
18:30-22:00	Dinner in Lund city	TBD

Agenda Day 2 (Tuesday October 22)

Conference room: MAX III

9:00-10:00	<p><u>From idea to results</u> This is a workshop where we will walk you through the process steps from a research idea, through experiment planning, sample preparation, measurement and data analysis.</p>	Conference room: Mads Ry Jørgensen (MAX IV) Frederik Holm Gjørup (MAX IV)
10:00-10:15	Coffee and transfer to DanMAX	Canteen
10:15-12:00	<p><u>Beamline measurement and guided tour</u> Real-time measurement at DanMAX beamline (in situ powder diffraction)</p> <p>In parallel: Guided tour in support labs</p>	DanMAX Beamline: Mads R.J., Frederik H.G. Yang C., Stefan C.
12:00-13:00	Lunch	Canteen
13:00-14:45	<p><u>Beamline measurement and guided tour</u> Real-time measurement at DanMAX beamline (in situ powder diffraction)</p> <p>In parallel: Guided tour in support labs</p>	DanMAX Beamline: Mads R.J., Frederik H.G. Yang C., Stefan C.
15:00-15:30	Wrap-up and goodbye	Conference room