



High-energy X-rays for Swedish Materials Science (P21.2)

30 January 2020

SemR. O1.030, Bldg 48f

High-energy synchrotron x-rays provides a powerful probe for materials characterization across materials science disciplines. In order to meet the requirements from the Swedish materials community and to complement the lower energy synchrotron x-ray facility MAX IV, Sweden has invested in the Swedish Materials Science beamline (SMS) P21 at PETRA III. P21.2 is setup for experiments combining diffraction and small-angle scattering or imaging, in particular in-situ and in-operando studies are emphasized. After the commissioning phase basic functionalities are provided and the first user run has been completed. The beamline status and experiences at P21.2 will be reported. This workshop is intended to bring together the research community interested in the current and future capabilities of P21.2.

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PROGRAMME

Session 1: Beamline & experiments			
13:00	Status of the SMS inline branch P21.2	Ulrich Lienert	DESY
13:30	User presentation	Ru Peng	LiU
13:50	User presentation	Magnus Colliander	CTH
14:10	User presentation	Jinshan Pan	KTH
14:30	User presentation	Emmanuel Larsson	RISE
14:50	Presentation thin-film deposition and cutting interaction	Fredrik Eriksson	LiU
15:10	User presentation	Johan Gustafson	LU
15:30- Coffee break (30 Min.)			
16:00			
Session 2: Community activities & discussion			
16:00	Center for X-rays in Swedish Materials Science	Peter Hedström	KTH
16:20	Open session and Discussion about activities to stimulate Swedish community	N.N.	
17:00	P21 beamline tour		
18:30 End of the workshop			