



Join us for a visit at Excillum - Seminar on X-ray techniques for battery research

Wed Jan 29th 2025 – Half-day workshop

	<p>Welcome to a half day seminar on X-ray techniques for battery research at Excillum in Kista. We have an unique opportunity to see the facilities in Kista and to discuss future paths with the technology. There is limited number of seats (20 p) so please make sure to take one of these.</p> <p>The purpose of the workshop is to present and share how we have used various X-ray techniques in our research and development and in joint effort discuss future opportunities. Excillum will present their X-ray source technology and the X-ray analysis, mainly X-ray microscopy. Excillum lab and “factory” tour is included.</p> <p>We will introduce the company and BASE partner Excillum meanwhile having the lunch.</p> <p>Assignment: Since Excillum makes extreme performance X-ray sources that can take home-lab systems one step closer to the synchrotron, everybody is asked to think about (1) what synchrotron techniques you have used today that perhaps could be taken to the lab with better lab sources or (2) what lab techniques you use today which are on the edge of working and really would benefit from an upgrade.</p> <p>If you are interested but can’t attend in person in Kista there will also be a Teams link. You will then be able to listen to the company presentations and attend the workshop online.</p>
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Agenda

11.30-13.00	Lunch and Excillum introduction
	Excillum company presentation X-ray source technology and analysis (<i>Teams-link will be available</i>)
13.00-13.30	Excillum Lab and factory tour
13.45-15.20	A. Presentation, what do you do today with X-Rays (presentation each from Chalmers, KTH, UU, other BASE partners) (<i>Teams-link will be available</i>)
	(1) what synchrotron techniques you have used today that perhaps could be taken to the lab with better lab sources
	(2) what lab techniques you use today which are on the edge of working and really would benefit from an upgrade.
	B. Based from what we seen at Excillum, how can we improve battery research in the value chain utilising Excillums technology?
	C. Discussion: activities in BASE 2025 -2029
15.20 - 15.30	Wrap-up
Call to prepare:	10-15 min presentation from each partner/organization of how you use X-ray techniques today and your thoughts on questions 1) and 2)