XFM Tomography Workshop 2026

14 May 2026

ANSTO

PROGRAM

Time	Location	Topic	Presenter
8:30 am	National Centre for Synchrotron Science	Participants pick up access cards from User Office if needed. Participants meet at reception to sign in.	
9:00 am	National Centre for Synchrotron Science	Daryl Howard to guide participants to Synchrotron Building.	Daryl Howard
9:10 am	Conference Room 3	Participant introductions. Participants describe their research and present ONE ppt slide showing their samples, including size, composition and elements of interest. Maximum 90 seconds each.	Daryl Howard, facilitator
9:50 am	Conference Room 3	Overview and basics of XRF microscopy	Daryl Howard
10:20 am	User Lounge	**Morning tea**	
10:50 am	Conference Room 3	Introduction to tomography, computed tomography	Martin de Jonge
11:30 am	Conference Room 3	XRF tomography details. Example studies, samples, self-absorption, cryogenic, and single slice tomography	Martin de Jonge
12:00 pm	Conference Room 3	Future tomography: Laminography	Nick Phillips
12:15 pm	Cafeteria	**Lunch**	
1:30 pm	XFM beamline	Sample mounting examples (toothpicks, SiN windows, capillaries, EM grid, freestanding, double-sided tape. Participants: Can you see your sample mounted in the ways shown?	Daryl, Martin, Carl Yang
2:00 pm	XFM beamline	Perform tomographic reconstructions on already prepared data. Napari software use. Data insights and outcomes. Quantitation.	Carl Yang
3:15 pm	User Lounge	**Afternoon tea**	
3:45 pm	Conference Room 3	Proposal writing. Discussion of measurement timing, setup time, and sample preparation artefacts. Why tomography shouldn't be your first measurement attempt. Participants to discuss how they propose to prepare their samples.	David Paterson, Daryl, Martin
4:20 pm	Conference Room 3	Participants discuss how they envision the feasibility and applicability of XFM tomography to their samples.	David Paterson, facilitator
4:45 pm	Conference Room 3	Workshop closing remarks	