

XAS for chemistry and materials science

Wednesday 18 March

Time	Title	
09:00 – 09:10	Welcome	
09:10 – 09:50	Overview of XAS	E. Borfecchia
09:50 – 10:30	XAS at the ESRF: overview of XAS beamlines	O. Mathon
10:30 – 11:00	Coffee break (Auditorium) and picture	
11:00 – 11:30	XAS instrumentation: what a user needs to know	O. Mathon
11:30 – 12:00	XAS experiment: how to avoid common mistakes	K. Lomachenko
12:00 – 12:30	Multimodal XAS experiments: combinations with XRD, DRIFTS, etc.	D. Salusso
12:30 – 14:00	Lunch break at the EPN Campus restaurant	
14:00 – 14:40	XAS data processing (conceptual)	D. Salusso
14:40 – 15:30	XAS data processing with Demeter/Larch (demo)	D. Salusso
15:30 – 15:50	Coffee break (Auditorium)	
15:50 – 18:00	Hands-on XAS data processing	D. Salusso et al.

Thursday 19 March

Time	Title	
09:00 – 09:40	XANES analysis: fingerprinting and resolving mixtures (conceptual)	A. Molokova
09:40 – 10:30	XANES analysis: fingerprinting and resolving mixtures (demo)	A. Molokova
10:30 – 10:50	Coffee break (Auditorium)	
10:50 – 12:30	Hands-on XANES analysis: fingerprinting and resolving mixtures	A. Molokova et al.
12:30 – 14:00	Lunch break at the EPN Campus restaurant	
14:00 – 14:40	EXAFS analysis (conceptual)	F. D'Acapito
14:40 – 15:30	EXAFS fitting with Demeter/Larch (demo)	F. D'Acapito
15:30 – 15:50	Coffee break (Auditorium)	
15:50 – 18:00	Hands-on EXAFS fitting	F. D'Acapito et al.
18:00 – 20:00	Buffet dinner	

Friday 20 March

Time	Title	
09:00 – 10:00	HERFD XAS and analysis of pre-edges	P. Glatzel
10:00 – 10:30	X-ray emission spectroscopy	P. Glatzel
10:30 – 10:50	Coffee break (Auditorium)	
10:50 – 11:30	XANES simulations (conceptual)	Y. Joly
11:30 – 12:30	XANES simulations with FDMNES (demo)	Y. Joly
12:30 – 14:00	Lunch break at the EPN Campus restaurant	
14:00 – 15:30	Hands-on XANES simulations with FDMNES	Y. Joly et al.
15:30 – 15:50	Coffee break (Auditorium)	
15:50 – 18:00	Hands-on User-specific topics	