

Programme XIII DESY Research Course

"Correlation Functions in the Time Domain: Trends in Coherent X-ray Scattering"

Time	Topic	Speaker
19.3.		
10:00	Registration	
11:00	Welcome	
11:15	Using coherent x-rays to study disordered materials	Sutton
12:00	X-ray photon correlation spectroscopy - an Introduction	Gutt
12:45	Lunch	
14:00	Challenges and Perspectives for XPCS with FEL's	Robert
14:45	Perspectives for XPCS studies at XFEL.EU	Madsen
15:30	Coffee break	
15:45	Exploring Coherence Properties of XFEL: Single-Shot Speckle Visibility Analysis	Lee
16:15	Hard X-ray delay line for X-ray photon correlation spectroscopy	Roseker
16:45	Studies of "slow" dynamics of soft matter using an X-ray Free-Electron Laser	Kim
17:30	Coffee break	
17:45	Discussion: XPCS at FEL	Madsen
20:00	Come together evening/Poster Session	
20.3.		
09:30	XPCS at the APS: Recent Results and Future Directions	Sandy
10:15	Slow atomic scale relaxations probed by XPCS	Chushkin
11:00	Coffee break	
11:15	Coherent X-ray Scattering: Dynamics of Crowded Colloids and Other Stories	Fluerasu
12:00	Lunch	
14:00	Opportunities at P10 of PETRA III	Sprung
14:45	X-ray Cross Correlation Analysis	Vartaniants
15:30	Coffee break	
15:45	Ultrafast dynamics of magnetic domain structures probed by coherent FEL light	Mueller
16:15	Connecting nanoscale dynamics and rheology of soft materials with XPCS	Leheney
17:00	Facility Visit	
19:00	Dinner	
21.3.		
09:30	X-ray specs: How a liquid becomes a glass on heating and on cooling and other stories	Mochrie
10:15	Nanoscale Dynamics with X-ray Photon Correlation Spectroscopy	Shpyrko
11:00	Coffee break	
11:15	Domain-wall dynamics in complex materials	Schüssler-Langeheine
12:00	Closure	