

**SSRL Summer School on Synchrotron X-Ray Absorption
Spectroscopy & Imaging**
Monday, June 19 – Friday, June 23, 2017

Monday, 19 June 2017, Building 48, Room 112 : Redwood Rooms	
8:30 – 8:55 AM	Registration – <i>Refreshments</i>
8:55 – 9:00 AM	Introductory Remarks – Ritimukta Sarangi
9:00 – 10:00 AM	Introduction to XAS at SSRL – Britt Hedman
10:00 – 11:00 AM	Introduction to Theoretical Aspects of XAS/EXAFS – Matthew Newville
11:00 AM – 12:00 PM	Introduction to Experimental Aspects of XAS/EXAFS – John Bargar
12:00 – 1:00 PM	Lunch
1:00 – 2:00 PM	Application of EXAFS/XANES: Robert Szilagy
2:00 – 3:00 PM	Application of EXAFS/XANES: Simon Bare
3:00 – 3:30 PM	Break – Group Photo
3:30 – 4:30 PM	Introduction to XAS Imaging: Sam Webb
4:30 – 5:00 PM	Macromolecular Crystallography at SSRL: Clyde Smith
5:00 – 5:30 PM	X-ray Scattering: Chris Tassone
6:00 PM	School Dinner

Tuesday, 20 June 2017, Building 48, Room 112 : Redwood Rooms		
8:30 – 9:00 AM	Refreshments	
9:00 – 9:30 AM	Demystifying the Synchrotron Experience: Courtney Roach	
9:30 – 10:30 AM	Proposal Writing and Result Reporting: John Bargar	
10:30 AM – 12:30 PM	CORVUS Workflow for X-ray Spectroscopy Data Analysis: Josh Kas	
12:30 – 1:30 PM	Lunch	
	EXAFS	XAS Imaging
1:30 – 2:30 PM	Experimental Design and Sample Preparation – Ryan Davis	Experimental Design and Sample Preparation – Sam Webb
	Beamline Hands-on Practical Sessions – Building 120, SSRL	
2:40 AM – 5:00 PM	BL 2-3: XAS Imaging Instructors: Sam Webb , Courtney Roach	BL 7-3: XAS/EXAFS Instructors: Erik Nelson , Matthew Latimer
2:40 – 3:00 PM BL Tour		
3:15 – 5:00 PM BL Introduction and sample preparation	BL 9-3: XAS/EXAFS (Bio) Instructors: Riti Sarangi	BL4-1: XAS/EXAFS (GI-XAS) Instructors: Juan Lezama , Ryan Davis
3:00 – 3:15 PM	Refreshments (BL 9 Lounge Area)	

Wednesday, 21 June 2017, Beamline Hands-on Practical Sessions – Building 120, SSRL		
8:30 – 9:00 AM	Refreshments (BL 9 Lounge Area)	
	Beamline Hands-on Practical Sessions – Building 120, SSRL	
9:00 AM – 5:30 PM	BL 2-3: XAS Imaging Instructors: Sam Webb , Courtney Roach	BL 7-3: XAS/EXAFS Instructors: Erik Nelson , Matthew Latimer
	BL 9-3: XAS/EXAFS (Bio) Instructors: Riti Sarangi	BL4-1: XAS/EXAFS (GI-XAS) Instructors: Juan Lezama , Ryan Davis
12:00 – 1:00 PM	Lunch	
3:00 – 3:15 PM	Refreshments (BL 9 Lounge Area)	

Thursday, 22 June 2017, Building 48, Room 112 : Redwood Rooms		
8:30 – 9:00 AM	Refreshments	
	EXAFS	XAS Imaging
9:00 – 10:00 AM	Principles of FEFF based data analysis: Riti Sarangi	Data Analysis Basics: Sam Webb
10:00 AM – 5:30 PM	Hands-on data analysis session using Athena/Artemis suite Juan Lezama , Sharon Bone	Hand-on data analysis Sam Webb , Courtney Roach
12:00 – 1:00 PM	Lunch	
3:00 – 3:15 PM	Refreshments	

Friday, 23 June 2017, Building 48, Room 112 : Redwood Rooms		
8:30 – 9:00 AM	Refreshments	
9:00 – 10:00 AM	Electronic Structure Interpretation from XANES: Riti Sarangi	
10:00 – 11:00 AM	Combining Advanced Spectroscopy with XAS: Thomas Kroll	
	EXAFS	XAS Imaging
11:00 AM – 2:00 PM	1-on-1 EXAFS data analysis session: Riti Sarangi , John Bargar , Juan Lezama	1-on-1 Imaging data analysis session: Sam Webb , Courtney Roach
12:00 – 1:00 PM	Lunch	
2:00 PM	Meeting Adjourned	