

**9th SSRL School on Synchrotron X-Ray Scattering Techniques in
Materials and Environmental Sciences: Theory and Application
Monday 16 July 2018 – Wednesday 18 July 2018**

Monday, 16 July 2018 Building 51, Kavli Auditorium	
8:00-9:00	Registration – <i>Coffee and Light Refreshments</i>
9:00-9:15	Introductory Remarks – Kevin Stone
9:15-9:45	Introduction to Scattering and Reciprocal Space – Lenson Pellouchoud
9:45-11:00	Scattering techniques and geometries/beamlines – Kevin Stone
11:00-11:15	Break
11:15-11:45	Detector Choices – Tim Dunn
11:45-12:15	Data Collection Strategies – Kevin Stone
12:15-1:15	Lunch
1:15-1:45	In-situ Capabilities – Doug Van Campen
1:45-2:15	Beamtime Proposals and Preparation – Bor-Rong Chen
2:15-2:45	Questions before Colloquium

Tuesday, 17 July 2018 Building 51, Kavli Auditorium					
8:00-9:00	Registration – <i>Coffee and Light Refreshments</i>				
9:00-9:15	Introductory remarks Part 2 – Kevin Stone				
9:15-9:45	Sample Prep – SAXS – Tim Dunn				
9:45-10:15	Sample Prep – Powder Diffraction – Kevin Stone				
10:15-11:00	Sample Prep – Thin Films/Reflectivity – Hans-Georg Steinrück				
11:00-11:15	Break				
11:15-11:45	Data Processing – Lenson Pellouchoud				
12:00-1:15	<i>Lunch</i>				
1:15-4:15	Beamline Hands-on Practical Sessions Part 1 – Building 120, SSRL Beamlines				
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3:00-3:15	Break – <i>Light Refreshments Building 120, Beamline 9 Kitchen/Lounge</i>				

Wednesday, 18 July 2018 SSRL Beamlines					
8:00-9:00	<i>Coffee and Light Refreshments, Building 120, Beamline 9 Kitchen/Lounge</i>				
	Beamline Hands-on Practical Sessions Part 2 – Building 120, SSRL Beamlines				
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12:15-1:15	<i>Lunch</i>				
	Data Analysis Methods – Building 48, Redwood Conference Rooms				
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4:15-4:30	Break				

4:30-5:00	Close out session – Building 48, Redwood Conference Rooms
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