

## Saskatoon Synchrotron Summer School II

Monday August 20th			
Time	Topic	Speaker/Facilitator	Room
8:30	Welcome & CLS History	Thomas Ellis, CLS Director of Research	Ag 1E80
10:00	<b>Break</b>		
10:30	Machine Explanation	Les Dallin, CLS Lead Accelerator Physicist	Ag 1E80
12:00	<b>Lunch</b>		
<b>Please note computers to write HSO &amp; RAM tests are available during lunch and afternoon break</b>			
1:00	Tour the LINAC and Storage Ring	CLS Accelerator Operations staff	CLS
2:45	<b>Break</b>		
3:00	Beamline components & Optics	Emil Hallin, CLS Director of Beamline Development	CLS 2068
Evening	<b>Meet at Boffins!! Supper served at 6 pm</b>		
Tuesday August 21st			
Time	Topic	Speaker/Facilitator	Room
8:00	Soft X-Ray Spectroscopy	Alexander Moewes, Canada Research Chair in Materials Science, Professor, Physics and Engineering Physics, UofS	Ag 1E80
9:15	Soft X-Ray Imaging	Stephen Urquhart, Associate Professor, Chemistry, UofS	Ag 1E80
10:30	<b>Break</b>		
11:00	Soft X-Ray Case Study	Chithra Karunakaran, CLS Staff Scientist for SM	Ag 1E80
12:00	<b>Lunch</b>		
1:00	Hard X-Ray Absorption Spectroscopy	Jeff Warner, CLS Industrial Liaison Scientist	Ag 1E80
2:00	Case Study		
2:30	<b>Break</b>		
3:00	Imaging	Dean Chapman, Canada Research Chair in X-Ray Imaging, Department of Anatomy and Cell Biology, University of Saskatchewan, CLS Biomedical Imaging & Therapy Beamline Team Leader	Ag 1E80
4:30	<b>Poster Session/Wine &amp; Cheese</b>		Ag Atrium
Wednesday August 22nd			
Time	Topic	Speaker/Facilitator	Room
8:30	The Calculation of Near Edge Structure in X-ray Absorption Spectra	Tom Regier, CLS Science Associate for High Resolution Spherical Grating Monochromator Beamline	Ag 1E80
10:00	<b>Break</b>		
10:30	IR	Dennis Tokaryk, Assistant Professor Department of Physics, University of New Brunswick	Ag 1E80
11:30	IR Case Study	Dennis Tokaryk, Assistant Professor Department of Physics, University of New Brunswick	Ag 1E80
12:00	<b>Lunch</b>		
1:00	Groups cycle through Beamlines		
2:30	Coffee and snacks will be available on the Mezzanine		
Evening	Free Time - Enjoy the city!!		
Thursday August 23rd			
Time	Topic	Speaker/Facilitator	Room
9:00	Diffraction	De Tong Jiang, Assistant Professor Department of Physics, University of Guelph, CLS Hard X-ray MicroAnalysis Beamline Team Leader	Ag 1E80
10:00	<b>Break</b>		
10:30	Accessing Beamtime	Jeff Warner, CLS Industrial Liaison Scientist, Robert Blyth CLS Staff Scientist for SGM	Ag 1E80
11:30	<b>Lunch</b>		
1:00	<b>Concurrent Sessions</b>		
	XAFS data analysis - Rm 2068	Jeff Warner, CLS Industrial Liaison Scientist	CLS 2068
	Photo Emission/PEEM/Px	Robert Blyth, CLS Staff Scientist for SGM & Michel Fodje, CLS Staff Scientist CMCF II	CLS 2046
2:30	Coffee and snacks will be available on the Mezzanine		
6:00	<b>Princess Cruise &amp; BBQ</b>		
Friday, August 24th			
Time	Topic	Speaker/Facilitator	Room
9:00	High Pressure	John Tse, Canada Research Chair in Theoretical Materials Science, Department of Physics and Engineering Physics, University of Saskatchewan	Ag 1E80
9:45	STXM	Adam Hitchcock, Canada Research Chair in Materials Research, McMaster University, CLS Spectromicroscopy Beamline Team Leader	Ag 1E80
10:30	<b>Break</b>		
11:00	Phase 3 Overview	Jeffrey Cutler, CLS Associate Director of Research for Industrial Science, Adjunct Professor Department of Chemistry, University of Saskatchewan	Ag 1E80
12:00	<b>BBQ &amp; Group Photo</b>		CLS

<b>Monday August 20th</b>	
<b>Time</b>	<b>Topic</b>
8:30	Welcome & Introduction
10:00	Break
10:30	Machine Explanation
12:00	Lunch
1:00	Tour Canadian Light Source
3:00	Beamline components & Optics
4:30	HSO exam writing
5:00	Travel to Supper & Social Activities
<b>Tuesday August 21st</b>	
<b>Time</b>	<b>Topic</b>
8:00	Soft X-Ray Spectroscopy
9:15	Soft X-Ray Imaging
10:30	Break
11:00	Soft X-Ray Case Study
12:00	Lunch
1:00	XAS
2:15	Imaging
3:30	Case Study
4:30	Poster Session/Wine & Cheese
7:00	Travel to Supper & Social Activities
<b>Wednesday August 22nd</b>	
<b>Time</b>	<b>Topic</b>
8:00	Diffraction
9:15	IR
10:30	Break
11:00	IR Case Study
12:00	Lunch
1:00	Groups cycle through Beamlines
5:00	Free Evening
<b>Thursday August 23rd</b>	
<b>Time</b>	<b>Topic</b>
8:00	Comparative Analysis
9:00	Calculating Spectra
10:00	Break
10:30	Sample Preparation
11:30	Lunch
1:00	
	XAFS data analysis - Rm 2068
	Photo Emission/PEEM/Px
4:00	Travel to Supper & Social Activities
<b>Friday August 24th</b>	
<b>Time</b>	<b>Topic</b>
8:00	The Future of CLS
9:00	Sylmand
9:45	STXM
10:30	Break
11:00	Phase 3 Overview
11:45	BBQ & Culminating Activities