

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	Break		
10:30	Machine Explanation	Les Dallin, CLS Lead Accelerator Physicist	Ag 1E80
12:00	Lunch		
Please note computers to write HSO & RAM tests are available during lunch and afternoon break			
1:00	Tour the LINAC and Storage Ring	CLS Accelerator Operations staff	CLS
2:45	Break		
3:00	Beamline components & Optics	Emil Hallin, CLS Director of Beamline Development	CLS 2068
Evening	Meet at Boffins!! Supper served at 6 pm		
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	Break		
11:00	Soft X-Ray Case Study	Chithra Karunakaran, CLS Staff Scientist for SM	Ag 1E80
12:00	Lunch		
1:00	Hard X-Ray Absorption Spectroscopy	Jeff Warner, CLS Industrial Liaison Scientist	Ag 1E80
2:00	Case Study		
2:30	Break		
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	Poster Session/Wine & Cheese		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	Break		
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	Lunch		
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	Break		
10:30	Accessing Beamtime	Jeff Warner, CLS Industrial Liaison Scientist, Robert Blyth CLS Staff Scientist for SGM	Ag 1E80
11:30	Lunch		
1:00	Concurrent Sessions		
	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	Princess Cruise & BBQ		
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	Break		
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	BBQ & Group Photo		CLS

Monday August 20th	
Time	Topic
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
Tuesday August 21st	
Time	Topic
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
Wednesday August 22nd	
Time	Topic
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
Thursday August 23rd	
Time	Topic
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
Friday August 24th	
Time	Topic
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