

Time (CST)	CLS X-Ray Diffraction and Scattering Summer School 2023	August 16-18, 2023	In person school!
Wednesday, August 16, 2023			
9:15 to 9:20	Welcome and Introductions / badges for all	Beatriz Moreno	Room 1E85 at Agriculture
9:20 - 10:00	Introduction to powder diffraction	Joel Reid	Room 1E85 at Agriculture
10:00-10:20	Snacks		Room 2D21 at Agriculture
10:20 - 11:10	Rietveld Method	Bob von Dreele	Room 1E85 at Agriculture
11:10 - 12:00	Introduction to GSAS II	Bob von Dreele	Room 1E85 at Agriculture
12:00 - 13:15	----- Lunch Break -----		room 2D21 at Agriculture
13:15 - 14:20	Structure Solution with Powder Diffraction	Joel Reid	Room 1E85 at Agriculture
14:20 - 15:10	GSAS II hands on data analysis	Bob / Joel / Beatriz	Room 3D67 at Agriculture
15:10 - 15:25	Snacks		Room tbd
15:25 - 16:30	GSAS II hands on data analysis	Bob / Joel / Beatriz	Room 3D67 at Agriculture
17:00 - 18:00	Happy Hour at Louis'		
Thursday, August 17, 2023			
9:15 - 10:05	MicroXRD and Laue x-ray diffraction	Renfei Feng	Room 1E85 at Agriculture
10:05-10:20	Snacks		Room 2D21 at Agriculture
10:20 - 11:10	Introduction to Pair Distribution Function (PDF)	Al Rahemtulla	Room 1E85 at Agriculture
11:10 - 12:00	Fitting and Modelling PDF data	Graham King	Room 1E85 at Agriculture
12:00 - 12:45	----- Lunch Break -----		room 2D21 at Agriculture
12:45 - 13:05	Group 1 walks to the CLS / Group 2 goes to Computer Room		Room 3D67 at Agriculture
13:05 - 14:50	Group 1: Experiments at the beamlines / Group 2: hands-on GSAS II + to	All hands on deck	Room 3D67 at Agriculture
14:50 - 15:10	Snacks / Group photo		
15:10 - 17:00	Group 1: Hands-on GSAS II + tour to CLS/ Group 2: Experiments at the b	All hands on deck	Room 3D67 at Agriculture
Friday, August 18, 2023			
9:15 - 9:55	Introduction to SAXS	Adam Leontowich	Room 1E85 at Agriculture
9:55 - 10:35	In-situ experiments / Thin films	Beatriz Moreno	Room 1E85 at Agriculture
10:35-10:50	Snacks		Room 2D21 at Agriculture
10:50 - 11:30	Anomalous XRD	Chang-Yong Kim	Room 1E85 at Agriculture
11:30 - 12:15	How do synchrotrons work and what are they good for	Feizhou He	Room 1E85 at Agriculture
12:15 - 13:30	----- Lunch Break -----		room 2D21 at Agriculture
13:30 - 14:20	Hands-on GSAS II	All hands on deck	Room 3D67 at Agriculture
14:20 - 15:10	Hands-on PDFgui	Graham King	Room 3D67 at Agriculture
15:10 - 15:25	Snacks		Room 2D21 at Agriculture
15:25 - 16:30	Hands-on SAXS	Adam Leontowich	Room 3D67 at Agriculture
16:30 - 16:35	Closing remarks	Beatriz Moreno	Room 3D67 at Agriculture