	8:30 – 9:30	9:30 – 10:30	10:45 – 11:45	11:45-1:00	1:00-3:00; 3:15-5:15	5:30-7:30
Sunday					Arrivals and accommodation	Opening Welcome Reception
Monday	Crystallography Overview; Radiation Safety; Crystallographic Fundamentals Barker	Space Groups and Symmetry Slebodnick	Ewald Sphere & Reciprocal Space Structure Factors & Systematic Absences Malliakas	Lunch	Point groups/symmetry Gray/Slebodnick International Tables Erickson/Napolitano Sample Prep (Single | PXRD) Daniels/Zeller | Teck/ Henderson	Point groups/symmetry International Tables Sample Prep
Tuesday	PXRD – Overview Part I PXRD Sample Prep Henderson	Data Collection & Reduction Techniques (Rigaku) Daniels	Data Collection & Reduction Techniques (Bruker) Ruf	Lunch	Beginners SHELX Barker/Slebodnick Advanced SHELX Gray/Zeller/Erickson Diffractometer Training Daniels/Stern/Teck	Beginners SHELX Advanced SHELX Diffractometer Training
Wednesday	Structure solution Erickson	Refinement (Fourier & Least Squares) Slebodnick	Difficult Refinements / Twinning / Modulation Gray/Malliakas	Lunch	Introduction to SHELXLE Schmidt/Zeller/All to help Introduction to OLEX 2 Stern/Slebodnick/All to help	Disorder/Twin Stern/Slebodnick/ Schmidt/Zeller/All to help
Thursday	PXRD – Overview Part II Teck	Indexing /LeBail/Pawley methods Kaduk	Rietveld Refinement Von Dreele	Lunch	Database Workshop (ICDD) Kaduk Indexing Workshop Kaduk/Toby	Database Workshop (CSD) Olatunji-Ojo
Friday	Synchrotrons / Neutrons Lind	microED/3DED Malliakas	Hands-on Structure Solution/Refinement; Option: 1:1 diffractometer training ALL	Lunch	GSAS-II Workshop Von Dreele/Toby/Lind/Kaduk	Finalization Workshop (Data Validation, Finalization) Gray/Zeller/All
Saturday	Hands-on Structure Solution/Refinement; Option: 1:1 diffractometer training	Hands-on Structure Solution/Refinement; Option: 1:1 diffractometer training	Hands-on Structure Solution/Refinement; Option: 1:1 diffractometer training	Hands-on structure solution…	Lunch/Social event **2-5pm**	Hands-on Structure Solution/Refinement; Option: 1:1 diffractometer training
Sunday	Student Presentations	Student Presentations	Student Presentations		**Departures**	