

# Powder Diffraction

**WORKSHOP**

Wednesday 20 — Friday 22 August 2025  
Sydney | Australia





# PROGRAM

## Day 1

Wednesday, 20 August 2025

11 AM - 11:15 AM	Welcome & Acknowledgement of Country	
11:15 AM - 12 PM	Introduction to Powder Diffraction	
12 PM - 12:45 PM	Symmetry and Structure	
12:45 PM - 1:30 PM	Lunch	
1:30 PM - 2:15 PM	Indexing Lecture	
2:15 PM - 2:45 PM	Search/Matching Demonstration	
2:45 PM - 3 PM	Afternoon Tea	
3 PM - 5 PM	TOPAS Practical	GSAS-II Practical
5 PM - 6 PM	Secrets to Experimental Success	
6:10 PM	Bus leaves for accommodation	

# PROGRAM

## Day 2

Thursday, 21 August 2025

9 AM - 10 AM	Intro to Rietveld Modelling and Least Squares Fitting (I)	
10 AM - 11 AM	Proposal Judging (I)	
11 AM - 11:15 AM	Morning Tea	
11:15 AM - 12 PM	Intro to Rietveld Modelling and Least Squares Fitting (II)	
12 PM - 12:30 PM	Corrections to Powder Diffraction Data	
12:30 PM - 1:15 PM	Lunch	
1:15 PM - 2:30 PM	Discovery Centre Tour	
2:30 PM - 3:30 PM	TOPAS Practical	GSAS-II Practical
3:30 PM - 3:45 PM	Afternoon Tea	
3:45 PM - 5:45 PM	TOPAS Practical	GSAS-II Practical
5:45 PM - 6:30 PM	Proposal Judging (II)	
6:40 PM	Bus leaves for dinner	
7 PM - 9 PM	Event dinner	

# PROGRAM

## Day 3

Friday, 22 August 2025

9 AM - 10 AM	Writing proposals for ACNS and AS	
10 AM - 11 AM	Introduction to Structure Solution	
11 AM - 11:15 AM	Morning Tea	
11:15 AM - 12:15 PM	TOPAS Practical	GSAS-II Practical
12:45 PM - 1:30 PM	Lunch	
1:30 PM - 1:45 PM	AINSE Information Session	
1:45 PM - 3 PM	TOPAS Practical	GSAS-II Practical
3 PM - 3:15 PM	Afternoon Tea	
3:15 PM - 4:45 PM	TOPAS Practical	GSAS-II Practical
5 PM	Bus leaves to Sutherland Station	