# X-Ray Diffraction – A Hands-On Workshop



# **Program**

## Monday, 02.09.2024

- 10:30 Coffee Reception and Registration
- 11:00 Welcome and Opening Remarks
- 11:10 Lecture: Basic Concepts I
- 12:30 Lunch break (individual)
- 13:30 Lecture: Basic Concepts II
- 15:00 Coffee Break
- 15:30 Diffractometer Session: Standard Measurement Techniques

#### Tuesday, 03.09.2024

- 9:00 Lecture: Data Treatment I
- 10:30 Coffee Break
- 11:00 Lecture: Data Treatment II
- 12:30 Lunch Break (individual)
- 13:30 Lecture: Refinement Theory
- 15:00 Coffee break
- 15:30 Exercise: Data Treatment

#### Wednesday, 04.09.2024

- 9:00 Lecture: Twinning, Disorder, Superstructure
- 10:30 Coffee Break
- 11:00 Exercise: Refinement
- 12:30 Lunch Break (individual)
- 13:30 Exercise: Refinement
- 15:00 Coffee Break
- 15:30 Poster Presentation
- 18:00 Social Evening

#### Thursday, 05.09.2024

- 9:00 Diffractometer Session: Picking Techniques
- 10:30 Coffee Break
- 11:00 Diffractometer Session: Picking Techniques
- 12:30 Lunch Break (individual)
- 13:30 Exercise: Pitfalls and challenging structures
- 15:00 Coffee Break
- 15:30 Exercise: Refinement challenge
- 17:00 Lecture: Complementary Methods

### Friday, 06.09.2024

- 9:00 Lecture: State of the Art & Contemporary Development
- 10:30 Coffee Break
- 11:00 Exercise: CheckCIF & CIF Alerts
- 12:30 Closing Remarks and End of Workshop

Location: Freie Universität Berlin, Fabeckstr. 34-36.

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