

# ISIS Reflectometry Training Course

23<sup>rd</sup> to 28<sup>th</sup> April 2026

Reflectometry provides nanometre-scale structural information on **biological, chemical, and hard condensed-matter interfaces**. This virtual training course focuses on the principles and practicalities of reflectometry data analysis, with an emphasis on building confidence in data reduction, modelling, and interpretation.

The course will run over **four days (Thursday to Tuesday)**, from **09:00 to 16:00 GMT** each day, and will be delivered online. Each day combines lectures with live demonstrations and **hands-on, guided practical exercises**.

The training school is designed for a **broad audience**, from newcomers to reflectometry through to more experienced users, and **principal investigators are strongly encouraged to participate**.

## Topics covered include:

- Principles of reflectometry, including polarised neutron reflectometry
- Working principles of **time-of-flight reflectometers**
- Reflectometry **data reduction** concepts and workflows
- **Reflectivity fitting theory**, including model construction and fitting strategies
- **Uncertainty and error analysis** for reflectivity data
- Case studies spanning different scientific areas and **multiple fitting software**
- Live, interactive demonstrations and exercises using **online tools and resources**
- Dedicated opportunities for **live help and advice**

Apply here:



<https://indico.stfc.ac.uk/e/ISISreflectometry2026>

For further information, please contact  
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