



Open Reflectometry Standards Organisation

ORSO AGM

Tom Arnold & Bridget Murphy

with contributions from

Artur Glavic, Wojciech Potrzebowski and Tim Snow

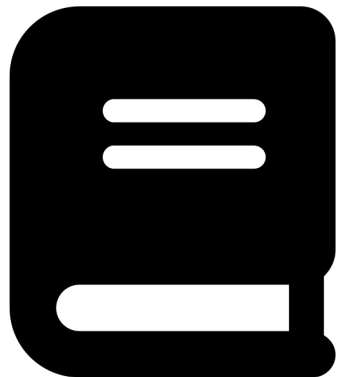


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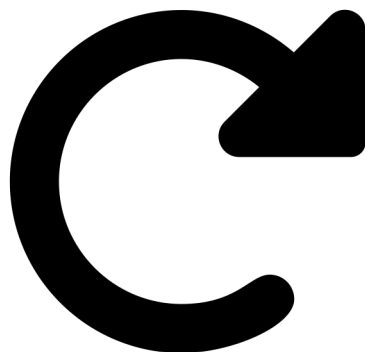
AGM Agenda

- 13:00 – 13.30: Reports from the Working Groups
 - Education & Outreach – Tom Arnold
 - Data Formats – Max Skoda
 - Data Analysis – Brian Maranville
 - Reproducibility – Andrew McCluskey
- 13:30 – 13:50 Proposal for a “Constitution” & Discussion
- AOB
- 13:50 Coffee Break

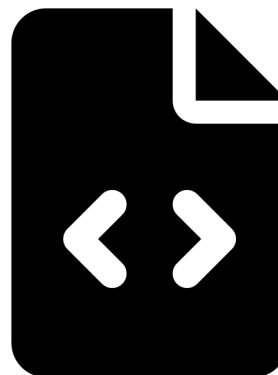
Reports from the working groups



Chairs:
Tom Arnold
Bridget Murphy



Chairs:
Andrew McCluskey
Christy Kinane



Chairs:
Jochen Stahn
Max Skoda



Chairs:
Andrew Nelson
Brian Maranville



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Chairs:

Tom Arnold

Bridget Murphy



Education & Outreach Working Group Report

Tom Arnold & Bridget Murphy

with contributions from

Artur Glavic, Wojciech Potrzebowski and Tim Snow



Education and Outreach

Aim: To develop **understanding of reflectivity techniques** and disseminate information about reflectivity **analysis**.

Activities in 2022/23

- Outreach & Dissemination
 - Presentations at SXNS, ICNS, ECNS, DESY user meeting, ISIS deuterium meeting... etc.
 - Meeting reports to Neutron News & SR News
 - Last one was for 3rd meeting, published Jan 2022.





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Bridget Murphy



Education and Outreach

Website redesign

- Working to improve navigability & layout
- Please provide feedback...
 - What content is useful?
 - Would you consider adding content?



Open Reflectometry Standards Organisation

An international, open effort to improve the scientific techniques of neutron and X-ray reflectometry



Workshops



What is ORSO?



Working Groups



Get Involved



News



FAQs



Information



Twitter



Projects



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Education and Outreach



Get Involved



News



Information



FAQs

Online Resources

- Reflectometry oriented SLD database
- Online training courses & Video library



SLD Database
1.0 beta8

Query Database Calculate SLD BioBlender Enter Material Simulate Sample Login About

On this page you can query materials that have been entered into our database. The search is carried out for a combination of all entered fields.

If you search without a value for any field the complete database is returned. You can select any database entry to use in the SLD calculator or use the calculator directly with a known elemental composition and density.

Field	search for value
Name	
Formula	Fe ₂ O ₃ / H ₂ O / H ₂ (C ₂ H ₄) ₄
Tags	magnetic polymer biology membrane

clear use ctrl+click

▼▼▼ Expand Full Search ▼▼▼

Submit



Introduction to neutron reflectometry fitting

Search this book...

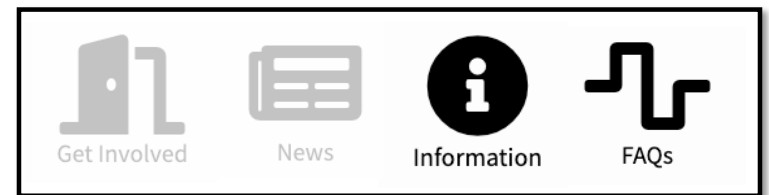
Introduction to neutron reflectometry fitting

THE FOURIER TRANSFORM

An introduction to Fourier transforms

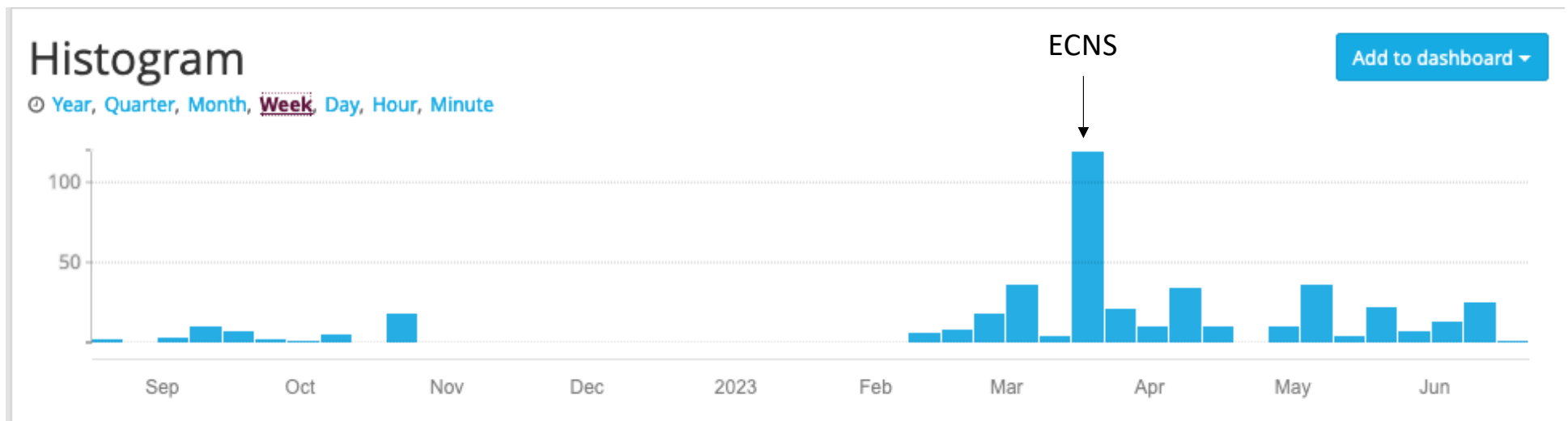
Fourier transforms for reflectometry analysis

Education and Outreach



Online Resources

- Reflectometry oriented Scattering length density database
- Recent developments and technical issues => Artur Glavic





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Education and Outreach



Get Involved



News



Information



FAQs

Outreach

- Dissemination of activities
- Recruit contributions from the community
- **Maintain a mailing list**
- Organise meetings of ORSO
- Advertise relevant training schools & conferences

=> this has been problematic due to spam filters. Proposal is to move to a paid service which requires funding



Join the Mailing List



Github Organisation



Interact with ORSO



Join the Slack



Open Reflectometry Standards Organisation

International Scattering Alliance

- Chair of the ISA:
Tim Snow
- Secretary: Brian
Maranville
- Members: Tom
Arnold, Andrew
McCluskey,
various other
ORSO members.

International Scattering Alliance

Serving the X-ray, neutron and light
scattering communities

[View My GitHub Profile](#)

Purpose

The International Scattering Alliance is a not-for-profit association that helps organisations (official and unofficial) to serve the community using X-ray, neutron and light scattering methods with information and software. It can, for example, hold electronic assets such as domain names and mail lists. Please e-mail us if you want to find out more or would like to become a member.

For more information or to become a member please contact one of the current board members of the Alliance:

- [Andrew Jackson \(ESS\)](#)
- [Brian Maranville \(NIST\)](#)

Activities

- Meetings, including the most recent [Annual General Meeting \(2022\)](#)

Documents

- [Statutes, updated March 2022](#)



Open Reflectometry Standards Organisation

Discussion on a Constitution

- How do we make sure we really speak for the community?
- We want to try to be as OPEN as possible
 - Clarify how we operate and make decisions.
 - Ensure anyone can participate and see what we're doing.
 - Define some code of conduct for ORSO members.
 - Ensure due credit is given to contributors
- We have no legal status to enforce anything
- We (Tom, Max, Christy, Bridget) have attempted to draft something to clarify...



Open Reflectometry Standards Organisation

Discussion on a Constitution

- A draft constitution is here:
- https://www.reflectometry.org/what_is_orso/ORSO_constitution
- Is the format appropriate?
 - legalistic language vs informal
- Are there any problematic clauses?
- Are the rules for electing chairs, and decision making fit for purpose