

Where

At SLS, Paul Scherrer Institut,
5232 Villigen PSI
Building/room: WSLA/008

Workshop on scattering and resonant x-ray techniques

Organization

U. Staub and P. Willmott

Participants

limited to approx. 30 persons.

When

15. November 2012



Scope

This workshop gathers all interested groups and persons connected with MaNEP to discuss x-ray scattering techniques and their possible applications to the understanding of the properties of materials with novel electronic properties. It will begin with tutorials on various x-ray methods and is aimed at young scientists, PhD students and postdocs. This will be followed by an overview of the latest possibilities offered at the Swiss Light Source, and will conclude with a selection of related scientific contributions. Please reserve this date, as it will be an excellent opportunity both to learn about x-ray techniques and to discuss further needs.

Program

11:00 Welcome (U. Staub & P. Willmott)

11:05 Tutorial Diffraction (P. Willmott)

11:50 Tutorial scattering: XAS, RIXS, RXD (C. Piamonteze & U. Staub)

12:35 Lunch (independent)

14:00 Invited talk (Peter Hatton, Durham)

14:50 Presentation of beamlines & facilities, 5+5 min each (beamline scientists)

- MS Science (surface diffraction + powder diffraction)

- X-treme (XMCD, soft x-rays)

- SIM (PEEM, Pollux + RESOXS)

- ADRESS (RIXS)

- Super+MicroXAS, PHOENIX

15:50 Coffee

16:20 Contributed talks I-III

17:40 Open discussion: needs, questions, wishes

18:00 End + optional tour for the different instruments



Phil Willmott

Chintia Piamonteze

Fritthjof Nolting

Urs Staub

Maarten Nachtegaal

Registration and abstract, deadline 5.11.2012

To register please send an email to urs.staub@psi.ch, supporting the following information: given name, family name, institutional address, MaNEP group

If you would like to give a contributed talk, we need an abstract attached to the email as a pdf file (limited to one page and 1 megabyte electronic size) for us to decide who to choose. There are only three slots.

If you have any questions please do not hesitate to contact us philip.willmott@psi.ch, urs.staub@psi.ch