

AICr 2014



METROPOLE
vivre en intelligence
Rennes

Institut des
Sciences Chimiques
de Rennes
UMR CNRS
6226



24th to 28th March 2014

University of Rennes 1

BSRS²

Brittany Synchrotron Radiation School and Symposium

- X-ray diffraction/total scattering
- Small angle X-ray scattering
- Coherent and nano-diffraction
- Imaging and tomography
- Time resolved studies
- Visit to Synchrotron SOLEIL

Speakers:

F. Artzner (CNRS-UR1)

G. Carbone (ESRF)

E. Collet (UR1)

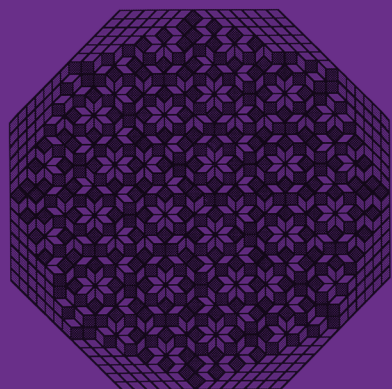
D. Keen (ISIS, UK)

S. Di Matteo (UR1)

R. Mokso (PSI, Suisse)

S. Ravy (SOLEIL)

bsrs2.sciencesconf.org



UNIVERSITÉ DE
RENNES 1

Brittany Synchrotron Radiation School and Symposium BSRS²

bsrs2.sciencesconf.org

University of Rennes 1 – from 24th to 28th March 2014
Campus Beaulieu - Bât. 10B

Synchrotron radiation is a fundamental tool in the analysis of structural and electronic properties in many domains of research.

More and more research and industrial applications in the field of physics, chemistry, material sciences, electronics, biology and geology use synchrotron facilities.

Therefore specific knowledge about how to extract the information contained in these kinds of studies becomes extremely important.

The BSRS², a one-week school for PhD students, post-docs and young researchers, aims at diffusing the knowledge of several tools for the analysis of synchrotron radiation diffraction and scattering.

This is done by a selected team of researchers routinely working with such tools.

Program

	9.00 - 12.00	14.00 - 17.00
Monday 24/03	Synchrotron radiation-matter interaction S. Di Matteo (UR1)	From amorphous to crystals: X-ray scattering S. Ravy (SOLEIL, Saclay)
Tuesday 25/03	Imaging and micro-tomography R. Mokso (PSI, Suisse)	Probing structure over different length scales: using total scattering and the PDF to characterise disorder in complex crystalline materials D. Keen (ISIS, UK)
Wednesday 26/03	Surface diffraction technique up to the nano-scale G. Carbone (ESRF, Grenoble)	Tutorial: SAXS / PDF-analysis
Thursday 27/03	Time resolved studies: from femtoseconds to mins E. Collet (UR1)	Small Angle X-ray Scattering (SAXS): from soft matter to metallurgy F. Artzner (CNRS – UR1)
Friday 28/03	Visit to Soleil (general presentation)	Visit to Soleil (beamlines)

Contacts & enrollements:

Julie Nicolle:

julie.nicolle@univ-rennes1.fr

Magali Marcault:

magali.marcault-verriere@univ-rennes1.fr

Emmanuelle Robin:

emmanuelle.robin@univ-rennes1.fr

Organizing committee:

Bertrand Toudic: bertrand.toudic@univ-rennes1.fr

Olivier Hernandez: olivier.hernandez@univ-rennes1.fr

Philippe Rabiller: philippe.rabiller@univ-rennes1.fr

Carmelo Prestipino: carmelo.prestipino@univ-rennes1.fr