

Workshop

Diffuse scattering in crystalline materials

25-26 June 2009

Swiss-Norwegian Beamlines
European Synchrotron Radiation Facility
Grenoble, France

Content:

The goal of this 2-day workshop is to bring together people interested in diffuse scattering, in order to share their experience in experiment and theory and to present and discuss new problems in physics and chemistry in which disorder phenomena are important. For a synchrotron facility, such workshops help to define the direction in which we have to develop in order to fulfill the requirements of our user community. It will also be an opportunity for our users to see what can already be done at ESRF and SNBL today and, with their help, what might be possible in the future.

Topics:

- Disorder phenomena and diffuse scattering
- 3D Pair Distribution Functions and quantitative analysis of diffuse scattering
- Thermal diffuse scattering in combination with inelastic scattering
- Diffuse scattering in the epitaxial nanostructures and other mesoscopic materials.

Lecturers:

Hans-Beat Bürgi, *University of Bern, Switzerland*

Tai-Chang Chiang, *Frederick Seitz Materials Research Laboratory, University of Illinois, USA*

Miroslav Kobas, *DECTRIS Ltd., Switzerland*

Jens Kreisel, *MINATEC, France*

Reinhard Neder, *Universität Erlangen-Nürnberg, Germany*

Sergey Vahrushev, *A.I. Ioffe PTI, Russia*

Thomas Weber, *ETH, Switzerland*

Venue:

European Synchrotron Radiation Facility

6 rue Jules Horowitz, Grenoble

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