

**10<sup>th</sup> International School and Symposium on  
Synchrotron Radiation in Natural Sciences  
ISSRNS 2010**



**Szklarska Poręba 2010**



Conference site: Hotel LAS

*fol. Hotel „LAS”*

The 10<sup>th</sup> jubilee International School and Symposium on Synchrotron Radiation in Natural Science (ISSRNS'2008) will be organized by Polish Synchrotron Radiation Society (PTPS) ([www.synchrotron.org.pl](http://www.synchrotron.org.pl)) in cooperation with Adam Mickiewicz University (Poznan, Poland) ([www.amu.edu.pl](http://www.amu.edu.pl)) in hotel “LAS” in Szklarska Poręba (Poland) on 6-12 June 2010.

ISSRNS is a traditional forum for discussing fundamental issues of application of the synchrotron radiation and related methods in natural sciences. The aim of this interdisciplinary meeting is to bring together scientists working with synchrotron radiation. The Symposium will focus on novel applications of synchrotron radiation in physics, chemistry, material and life sciences.

The meeting will be held in the comfortable hotel “LAS” ([www.hotel-las.pl](http://www.hotel-las.pl)) located in Szklarska Poręba (the town near Jelenia Gora, Lower Silesian Voivodeship). Szklarska Poręba is situated in the south-western part of Poland in Karkonosze and Izery mountain range, in the vicinity of large central European cities with international airports (Prague 139 km, Wrocław 140 km away, Dresden 180 km).

Szklarska Poręba region is place know of occurrence of precious ores. There have been classified over 50 minerals, which commonly occur in Karkonosze and Izery mountains. Many of them present properties of such gemstone as: amethyst,

aventurine, topaz, olivine, tourmaline, aquamarine, hyacinth, beryl, moonstone, agate, mountain crystal and smoky quartz. Therefore this beautiful town is known as the Mineralogical Capital of Poland.

Szklarska Poręba is also an important regional and national centre for mountain hiking, cycling and skiing.

The topics of the meeting will cover main areas of applications of synchrotron radiation:

- macromolecular crystallography,
- scattering techniques in structural analysis of condensed matter,
- x-ray absorption, fluorescence and photoelectron spectroscopies,
- x-ray magnetic dichroism,
- x-ray diffraction
- applications of synchrotron radiation in soft matter physics,
- synchrotron radiation in nanosciences,
- synchrotrons, free electron lasers and alternative radiation sources - design and development.

The programme of the Symposium will comprise invited lectures, oral communications (20 minutes) and poster presentations. The abstracts of all presentations presented on ISSRNS will be published in a volume of *Synchrotron Radiation in Natural Science*, and the proceedings in a reputable international journal. The official language of the meeting is English.

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