

## **11th International School and Symposium on Synchrotron Radiation in Natural Science (ISSRNS'2012)**

**Kraków, 20th-25th May 2012**

ISSRNS is a series of meetings, organised every two years, devoted to recent advances and new techniques employing synchrotron radiation in physics, chemistry, materials science, biology and medicine.

The 11th International School and Symposium on Synchrotron Radiation in Natural Science (ISSRNS'2012) will be organized by Polish Synchrotron Radiation Society (PSRS) in cooperation with the Henryk Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences, Kraków, Poland from 20th to 25th of May 2012 in Kraków-Tyniec (Poland).

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 science, biology and medicine.

The topics of the meeting include

- synchrotron radiation in nanoscience
- x-ray absorption, fluorescence and photoelectron spectroscopies
- x-ray magnetic dichroism
- x-ray diffraction: methods and applications
- macromolecular crystallography
- synchrotron radiation in life sciences
- applications of free electron lasers
- synchrotron and alternative radiation sources - instrumentation

The scientific [programme](#) of the Symposium includes invited lectures, oral presentations and poster sessions.

The International School and Symposium on Synchrotron Radiation in Natural Science takes place in Poland every two years since 1992. It is devoted to recent advances and new techniques employing synchrotron radiation in physics, chemistry, materials science, biology and medicine. The aim of this conference is to propagate the newest possibilities and achievements of the synchrotron related science as well as to enable the participants to learn and share the knowledge. Among the invited speakers are usually the specialists from synchrotron centers and the experts in different applications of the synchrotron radiation.

From the very first ISSRNS meeting organized in 1992, the idea of dissemination of knowledge on synchrotron radiation applications in Poland and integration of the community of Polish synchrotron radiation users proved to be very popular and successful. Nowadays, when Polish scientists carry out experiments in many synchrotron laboratories all over the world and have become members of the international community of synchrotron radiation users, these conferences transformed into a forum of sharing new results, new ideas of experiments and starting collaboration. Nevertheless, it partly retained its original character of "first step to synchrotron radiation" for our young colleagues. Of course, ISSRNS meetings owe their success mainly to the lecturers from various synchrotron and scientific centers in the world, in particular: J. Dove, V. Holý, G. Margaritondo, N. Mårtensson, G. Materlik, T.H. Metzger, D.L. Nagy, P.-O. Nilsson, J. Nordgren, B. Ravel, J.J. Rehr, W. Stirling, M. Taniguchi, E. Weckert, and many others.

### **Conference Venue**

The meeting will be held in a comfortable FERRO EXPRESS Hotel which is a new fully-equipped three-star object. It is situated in the natural surroundings of the Royal City of Kraków. The hotel's facilities include seven conference rooms, a drink bar, a small and big restaurant with a green garden with alleys and benches. A free, monitored car park is also available for the guests. The FERRO EXPRESS Hotel is situated near The Benedictine Abbey in Tyniec, by the Vistula River, next to a leisure center

with a sports hall, an indoor swimming pool, fitness facilities and a state-of-the-art kayak and raft course.

The hotel is located 5 km from the Balice airport, next to the Kraków ringroad exit (A4 Tynieć junction) and only a dozen minutes by car or bus away from the center of the City. We hope to host you in Poland in 2012.

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### **CONTACT**

Prof. Wojciech M. Kwiatek – chairman  
Dr. Czesława Paluszkiwicz – scientific secretary  
Institute of Nuclear Physics PAN  
ul. Radzikowskiego 152, 31-342 Kraków, Poland  
Tel. +48 126628235, fax: +48 126628089  
e-mail: [issrns2012@ifj.edu.pl](mailto:issrns2012@ifj.edu.pl)  
web page: <http://issrns2012.ifj.edu.pl>