



Polish Synchrotron  
Radiation Society

## *8<sup>th</sup> International School and Symposium on Synchrotron Radiation in Natural Sciences*

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### **Second Announcement and Call for Abstracts**

**VENUE:** Hotel "Geovita", Zakopane, Poland

**DATES:** June 12 - 17, 2006

#### **LOCATION:**

Zakopane is situated in southern Poland, about 100 km to the south of Kraków. It is located in a valley at the foot of the Tatra mountains, the highest mountains in Poland (Mount Rysy 2499 m). The town centre has elevation of about 840 m above sea level, but some parts are even as high as 1000 m above sea level on the slopes of Gubalowka - a hill that surrounds it from the north. Zakopane district is considered to be the most attractive tourist region in Poland. The Tatra mountains, the hilly villages of Podhale, as well as the town itself are ideal places for walks and longer or shorter hikes. In June we expect a mild spring weather with a lot of sunny days and the average day temperatures between 15 - 20 °C. For more information about Zakopane and the hotel see web pages:

- [www.geovita.pl/en/zakopane/index.html](http://www.geovita.pl/en/zakopane/index.html)
- [www.zakopane.pl/](http://www.zakopane.pl/)
- <http://confer.uj.edu.pl/ISSRNS8/> - symposium home page

#### **A bus transport to Zakopane**

The transportation from and to Krakow will be arranged by the Workshop organizers. Participants who would like to use the bus should state that in the online registration form and pay a small extra charge. More information about the transportation will be available on-line.

#### **ORGANIZERS:**

The conference is organized by the Research Centre for Nanometer Scale Science and Advanced Materials (NANOSAM) of the Institute of Physics, Jagiellonian University, Krakow, Poland, **in co-operation with the Polish Synchrotron Radiation Society.**

#### **PRINCIPAL TOPICS:**

ISSRNS is a series of biennial joint Schools and Symposia organized by the Polish Synchrotron Radiation Society. The School consists of several introductory and tutorial lectures addressed to young researchers (M.Sc. and Ph.D. level), as well as to new potential users of the synchrotron radiation (SR) in natural sciences. The Symposium, however, has a format of advanced workshop covering recent developments in instrumentation related to synchrotron radiation sources and providing a forum for reporting the most recent achievements in fundamental and applied research obtained with SR. This meeting will focus

on novel SR applications in physics, chemistry, materials science, biology and medicine. Detail topics will include:

1. **Instrumentation:** synchrotron radiation sources; alternate sources of wide-range, tunable electromagnetic radiation; advances in 3-rd generation insertion devices; novel technical solutions for coherent, infrared radiation; free electron lasers;
2. **Methods:** X-ray diffraction and scattering, absorption, fluorescence and photoelectron spectroscopies, imaging, 3-dimensional X-ray holography;
3. **Materials:** organic and inorganic solids, thin films and nanostructures.

#### **FORMAT:**

The School program will be composed of several tutorial lectures (45 minutes speaking time followed by some discussion time) given by distinguished experts in the field. The Symposium will consist of up to 15 invited key-note presentations (30 minutes) and several short oral contributions. Poster sessions will also be organized. The conference language is English.

#### **PROCEEDINGS:**

The conference proceedings will be published in a special issue of the international journal *Beam Interactions with Materials and Atoms*, Section B of: *Nuclear Instruments & Methods in Physics Research*.

#### **INVITED SPEAKERS:** *(confirmed as of January 17, 2006)*

1. **Philip Aebi** (University of Neuchatel, Institute of Physics, Switzerland) *Angle resolved photoemission spectroscopy using synchrotron radiation*
2. **Chao-hung Du** (Department of Physics, Tamkang University, Tamsui, Taiwan) *X-ray scattering on the low dimensional material*
3. **Frank de Groot** (Utrecht University, The Netherlands) *High-resolution X-ray absorption and X-ray emission: theory and experiment*
4. **Gerhard Gruebel** (DESY, Hamburg, Germany) *Recent developments on XFEL*
5. **Michael Grunze** (Heidelberg University, Germany) *Biomaterials studied with synchrotron radiation*
6. **Juergen Haertwig** (European Synchrotron Radiation Facility, Grenoble, France) *Diamonds for X-ray optical applications at 3rd and 4th generation X ray sources*
7. **Jozef Korecki** (AGH University of Science and Technology, Krakow, Poland) *Surface diffusion investigated by nuclear resonant scattering of synchrotron radiation*
8. **Krystyna Ławniczak Jabłońska** (Institute of Physics, Polish Academy of Science, Warsaw, Poland) *Quantum dot and magnetic layer characterization by means of X-ray absorption*
9. **John J. Rehr** (Department of Physics, University of Washington, USA) *Theory of EXAFS*
10. **Jorge J. Rocca** (Colorado State University, Fort Collins, USA) *Compact soft X-ray lasers: a doorway to coherent soft X-ray science on a table-top*
11. **Jacek Szade** (Silesian University, Institute of Physics, Katowice, Poland) *Resonant photoemission studies of Eu and Gd compounds*
12. **Masaki Taniguchi** (Hiroshima Synchrotron Radiation Center and Graduate School of Science, Hiroshima University, Higashi-Hiroshima, Japan) *Investigation of electronic and spin states in solids by means of high energy- and momentum-resolution ARPES, spin-resolved PES and XMCD*
13. **Jean Marc Tonnerre** (CNRS, France) *Polarized X-ray Resonant Magnetic Reflectivity*
14. **Hironari Yamada** (Ritsumeikan University, Kusatsu-City, Japan) *Latest developments in compact UV/X-ray sources of high brilliance*

## FEES:

The conference fee is 400 Euro and it covers the cost of full board accommodation (in double room) and meals from (evening arrival) till (morning departure), coffee breaks, social program (excursion and mountaineer folk dinner), a book of abstracts, a single copy of the conference proceedings, and administrative costs. An additional fee of 50 Euro will apply for participants who prefer single room accommodation. A reduced fee for students (M.Sc. and Ph.D.) is 250 Euro. An additional charge of 10 Euro will apply for those participants who would like to use our bus transport between Krakow and Zakopane.

The conference fee for accompanying persons is of 250 Euro and it covers the cost of full board accommodation (in double room) and meals from (evening arrival) till (morning departure), and social program (excursion and mountaineer folk dinner).

The late registration fee (paid after the deadline, i.e. April 30, 2006) will be of 450 Euro (300 Euro for students).

To avoid problems with the currency exchange ratio **for Polish participants** there are the following charges:

- regular fee - 1 500 PLN
- additional fee for single room accommodation - 200 PLN
- cost of bus transportation between Krakow and Zakopane - 40 PLN
- late registration fee - 1 700 PLN
- students fee - 950 PLN
- late students fee payment - 1 150 PLN
- accompanying persons fee - 950 PLN

Members of the Polish Synchrotron Radiation Society are entitled to 10% reduction of the fee.

## ABSTRACT SUBMISSION:

The abstract submission is now opened. The instructions for abstract submission are specified below.

Abstracts should be prepared as a MS Word or RTF (Rich Text Format) document not longer than one A4 page, written as specified below, and sent as an attachment **via e-mail** with the subject line: "ISSRNS8 ABSTRACT **name of the presenter - consecutive number of the abstract** (if more than 1 abstract is submitted by the same presenter)" to the e-mail address [issrns8@surf.if.uj.edu.pl](mailto:issrns8@surf.if.uj.edu.pl) before **March 15, 2006**.

In the mail message body please specify the preferred format of the presentation (just put the word "oral" or "poster").

Each abstract must be sent as a separate message!

Please do not send duplicate submissions!

Specifications for abstract submission as the MS Word or RTF file are following:

- Use a Times (Times New Roman) 12 pts character set with one and a half line spacing.
- Type the title in **Bold Letters, Using Both Upper and Lower Case**, single spaced, centered.
- Then put an empty line.
- Specify the authors' names with initials, using both upper and lower case. Type the presenting author name using **bold characters**.
- *Use a new line for short affiliation(s) and addresses, typed in Italic.*
- Again a blank line.
- Then put the abstract body. The text should be justified left and right. Indent first lines of paragraphs. Put numbers of the references (not more than 5) between square brackets. Remember please, that the total length of the abstract (including title, authors, affiliations, references, pictures) **should not exceed one A4 page**.

- Use a new line for references. Each one should contain: reference number in square brackets, author(s) with initials, journal name, volume number, year in parentheses, followed by the number of the first page.
- Below the abstract body put a blank line and in the new line specify again the following information:  
consecutive abstract number (if more than one is submitted), and preferred format of the presentation (word "oral" or "poster").

#### **REGISTRATION:**

The Registration Form is available online on our WWW Page:

<http://confer.uj.edu.pl/ISSRNS8/regform.html>.

#### **DEADLINES:**

- Receiving of abstracts: March 15, 2006;
- Final registration and payment: April 30, 2006.

#### **INTERNATIONAL ADVISORY AND PROGRAM COMMITTEE:**

F. Boscherini	University of Bologna, Italy
A. Burian	University of Silesia, Katowice, Poland
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#### **SOME ADDRESSES:**

ISSRNS-8 WWW Page: <http://confer.uj.edu.pl/ISSRNS8/>

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