

**Xth International Krutyn Summer School 2012,
Krutyn, Masurian Lake District, Poland, June 19-25, 2012**

<http://10ikss.carbonnanomat.pl/>

**"Frontiers in Science & Technology
of Carbon Nano-Materials"**

GENERAL INFORMATION & GOAL

This Xth International Krutyn Summer School – "Frontiers in Science and Technology of Carbon Nano-Materials" - is organized by the The University of Nottingham, UK, Polish Supramolecular Chemistry Network Foundation, and the Institute of Physical Chemistry of the Polish Academy of Sciences, Poland. The School is conceived as a high-level and highly intensive scientific event focusing on fundamental science and applied technology of carbon nanomaterials.

This Summer School aims at the state-of-the-art training in the form of lectures and consulting sessions designed for Ph.D. students and young researchers seeking to reinforce their knowledge and skills in the field of carbon nanomaterials. Top experts in this area will deliver lectures and consulting sessions. The school is intended both for people already active in this R&D field, as well as for those new to the field. A number of social events will be also planned to relax after the full and intensive program, including: bonfire, boats on Krutynia River, guided or individual out-door activities (kayaking, trekking, horse-riding, bike, etc.). The Local Organizing Committee cordially invites you to take part in this Summer School.

VENUE

The School will be held in a picturesque and romantic summer resort – the village Krutyn – in Masurian Lake District, easily accessible from Warsaw by public buses, but Transportation from Warsaw to Krutyn will be provided by the organizers on June 19 (for details see page 2). The Conference Centre "MAZUR-SYRENKA" provides an excellent conference and accommodation services.

SUMMER SCHOOL 2012 SITE : www.mazursyrenka.com

LIMITED PARTICIPATION NUMBER

In order to meet our quality requirements, the number of participants (excluding the lecturers) **is limited to 70**, therefore please, register as early as possible. A waiting list will be installed.

SCIENTIFIC PROGRAMME

Theoretical background

1. Structure and fundamental properties of graphene
2. Structure and fundamental properties of fullerenes
3. Structure and fundamental properties of carbon nanotubes
4. Structure and fundamental properties of nano-diamonds

Academic research

1. Chemical reactivity of fullerenes
2. Chemical reactivity of graphene and carbon nanotubes
3. Organic sp²-carbon nano-structures

4. Spectroscopy of fullerenes
5. Spectroscopy of carbon nanotubes
6. Microscopy of carbon nano-materials
7. Magnetism in carbon nano-materials
8. Carbon nano-materials as containers
9. Defects in carbon nano-structures

Technological aspects

1. Composites of nanotubes with polymers and inorganic materials
2. Optical properties of fullerenes
3. Charge-transfer in carbon nano-materials
4. Electronic applications of graphene and carbon nanotubes
5. Chemistry and materials science of endohedral fullerenes

INVITED LECTURERS (list incomplete)

Prof. Dirk Guldi, Univ. of Erlangen-Nurnberg, Germany
Prof. Jannik Meyer, Univ. of Vienna, Austria
Prof. Kati Kamaras, Research Institute for Solid State Physics and Optics, Hungary
Prof. Richard Jackman, University College, London, UK
Dr. Tatiana Makarova, Univ. of Umea, Sweden
Dr. Kyriakos Porfyrakis, Univ. of Oxford, Oxford, UK
Prof. Davide Bonifazi, Univ. of Namur, Belgium
Dr. Nikos Tagmatarchis, Theoretical and Physical Chemistry Institute, Greece
Prof. Florian Banhart, Univ. of Strasbourg, France
Prof. Thomas Ihn, Swiss Federal Institute of Technology Zurich, Switzerland
Dr. Andrei Khlobystov, University of Nottingham, UK
(* to be confirmed)

BUSINESS OPPORTUNITIES AND TECHNOLOGICAL TALKS

Given by industrial experts and/or Sponsor's Representatives

HOW TO PARTICIPATE?

Registration only on-line

COSTS: in EURO, standard 750 € (double room) 850 € (single room, deadline for reservation: 5th March 2012). After payment deadline of April 30th: 800 and 900 €, respectively

Payment includes: fee for participation + training materials (printed abstracts, pens, certificate of participation, DVD with all lectures as PDF files, and a collection of Summer School pictures), accommodation (six nights), full board, social events (bonfire and boat trip on Krutynia), **medical services on-site**, and coach transport from Warsaw to Krutyn and back. **Due to continuous unstable currency exchange rates in Europe, Polish participants are kindly requested to check EU portal <http://www.ecb.int/stats/exchange/eurofxref/html/index.en.html> with current average exchange rate EURO/PLN at the day of bank remittance, and calculate the total sum into PLN to be remitted.**

- **Bank operational costs are to be born by participants**

REGISTRATION

Please, note there is no pre-registration. Your registration will be considered as your commitment to the Summer School participation. Please, register on-line via the website. Please, note that only academic or industrial e-mail addresses will be accepted by the electronic registration. Your registration and professional education will be examined, and could be rejected in case of doubt (e.g. unknown universities, private e-mails, such as hotmail.com, yahoo!, Gmail, etc.)

ACCOMMODATION & TRAVEL DETAILS

Accommodation: Lecturers in single rooms, participants in double rooms (you may indicate your room mate while registering on line, if relevant). A limited number of single rooms can be made available for participants on "first-come-first-serve" basis.

Travel to Krutyń: by coach on June 19th

The Organizers will provide two coaches from the Institute of Physical Chemistry of the Polish Academy of Sciences on June 19th, at 16.00, and 17.00. Participants who must arrive one day earlier, due to air connections, may book an accommodation – Warsaw has a large offer of middle-class hotels - before departure to Krutyń, to be able to travel on June 19th. Excellent website for hotel booking is available at: <http://www.booking.com> It is highly recommended to arrive before noon on June 19th, if possible. Departure from Krutyń to Warsaw on June 25th at 8.00 a.m.

IMPORTANT DEADLINES:

single room, deadline for reservation: 5th March 2012

Deadline for registration: April 30th

Deadline for fee payment: May 10th

Deadline for poster A4: May 15th

Deadline for presentations upload: May 25th

CONTACT:

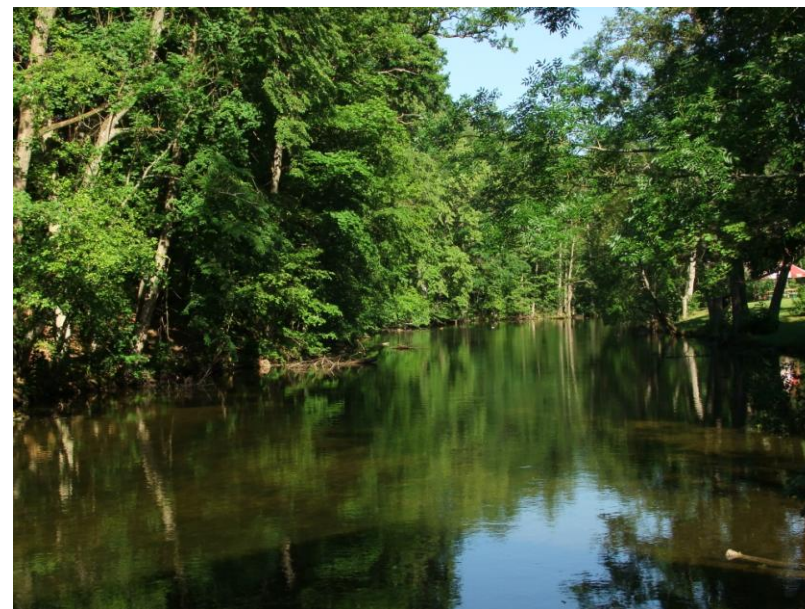
Prof. Marek Pietraszkiewicz, IKSS2012 Director

e-mail: mpietraszkiewicz@ichf.edu.pl

Prof. Andrei Khlobystov, IKSS2012 Director

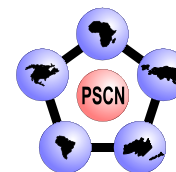
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Medial patronage



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Organizers:



The University of Nottingham, UK
The Polish Supramolecular Chemistry Network Foundation
The Institute of Physical Chemistry of the Polish Academy of Sciences, Poland