

**XIth International Krutyn Summer School 2012,  
Krutyn, Masurian Lake District, Poland, September 23-29, 2012**

<http://11kss.inorganiclumin.pl/>

**“Cutting-Edge Luminescent Materials: Shifting the Frontiers”**

**GENERAL INFORMATION & GOAL**

This XIth International Krutyn Summer School – “**Cutting-Edge Luminescent Materials: Shifting the Frontiers**” - is organized by Philips, The Netherlands, 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 cutting-edge know-how on inorganic aspects of advanced luminescent materials.

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 inorganic aspects of advanced luminescent materials. 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 proposed to relax after the heavily-scheduled programme, 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. The Conference Centre “MAZUR-SYRENKA” provides an excellent conference and accommodation services.

**SUMMER SCHOOL 2012 SITE :** [www.mazursyrenka.com](http://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. Excitation and emission mechanisms
2. Term symbols and group theoretical aspects
3. Exchange coupled systems
4. Point defects

**Academic research**

1. Lanthanide emission
2. Up- and down conversion
3. Luminescent quantum dots

4. Photochemistry
5. Pressure dependent optical properties

**Technological aspects**

1. LED phosphors
2. Scintillators
3. Luminescent materials for solar cells
4. Ceramic luminescent materials
5. Instrumentation

**INVITED LECTURERS (list incomplete)**

Prof. W. Stręk, ILT&SS PAS, Wroclaw, Poland

Prof. M. Bettinelli, Univ. Verona, Italy

Prof. R. Valiente, Universidad de Cantabria, Spain

Prof. A. Shanzer, Weizmann Institute of Science, Israel

Prof. E. Zych, Wroclaw University, Poland

Prof. C. Ronda, Philips, The Netherlands

Prof. P. Deren, ILT&SS PAS, Wroclaw, Poland

**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: 20th July 2012), After payment deadline of August 30<sup>th</sup>: 800 and 900 €, respectively. Accompanying person: 400 €**

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, all fees are calculated in Polish currency, PLN. 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. unclear 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 September 23<sup>rd</sup>**

The Organizers will provide two coaches from the Institute of Physical Chemistry of the Polish Academy of Sciences on September 23<sup>rd</sup>, at 14.00, and 16.00. 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 September 23<sup>rd</sup>. Excellent website for hotel booking is available at: <http://www.booking.com> It is highly recommended to arrive before noon on September 23<sup>rd</sup>, if possible. Departure from Krutyń to Warsaw on September 29<sup>th</sup> at 8.00 a.m.

**IMPORTANT DEADLINES:**

**Deadline for registration: August 10<sup>th</sup>**

**Deadline for abstract/poster A4: August 15<sup>th</sup>**

**Deadline for fee payment: August 30<sup>th</sup>**

**Deadline for presentations upload: September 5<sup>th</sup>**

**CONTACT:**

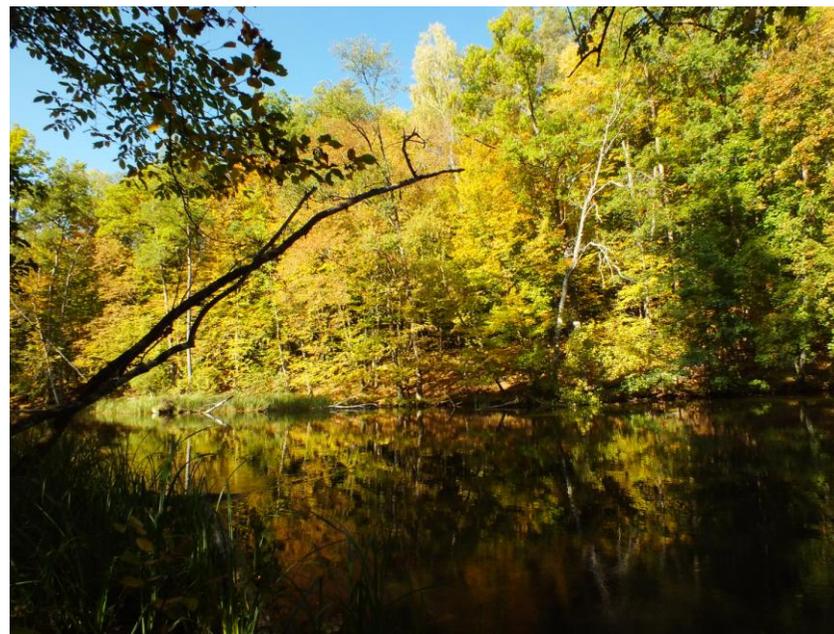
Prof. Marek Pietraszkiewicz, IKSS2012 Director

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Prof. Cees Ronda, IKSS2012 Director

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**Medial patronage**



## International Krutyń Summer School 2012

**Organizers:**



**Philips Research, the Netherlands**  
**The Polish Supramolecular Chemistry Network Foundation**  
**The Institute of Physical Chemistry of the Polish Academy of Sciences, Poland**