

IV International Krutyń Summer School 2008,  
Krutyń, Masurian Lake District, Poland, May 27-June 2<sup>nd</sup>, 2008  
<http://summerschool.olla-project.org>  
<http://olla.ichf.edu.pl/ikss2008/>

## Frontiers in Molecular Optoelectronics – Organic Light Emitting Diodes (OLEDs)

### GENERAL INFORMATION & GOAL

This International Summer School is organized as a fourth event in a series of training activities conducted in association with the FP6 Integrated Project "OLLA" - "High Brightness OLED-s for ICT & Next Generation Lighting Applications" (<http://www.olla-project.org>). The School is thought as a high-level and highly intensive scientific event focusing on cutting-edge organic and inorganic materials for OLED-s construction, involving physicochemical and theoretical considerations, synthetic aspects, theoretical modeling, industrial requirements, and roadmap for future development.

This Summer School aims at the state-of-the-art training in the form of lectures and tutorials addressed to Ph.D. students and young researchers willing to reinforce their knowledge and skills in the field of molecular optoelectronics. Top experts in this area will deliver lectures and tutorials. The school is intended both for people already active in this R&D field as well as for those new to the field.

### LOCATION

The School will be held in a picturesque and romantic summer resort – the village Krutyń – in Masurian Lake District, easily accessible from Warsaw. The Conference Centre "MAZUR-SYRENKA" provides an excellent conference and accommodation services. Except for the scientific part (lectures and tutorials), there will be a parallel evening "soft skills" programme for personal development. Also, a number of social events will be also proposed to relax after heavily scheduled programme, including: bonfire, excursion, 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.

### LIMITED PARTICIPATION NUMBER

In order to have 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

collection of Summer School 2008 pictures), accommodation (six nights), full board (vegetarian meals possible), social events (bonfire and excursion), and coach transport from Warsaw to Krutyń and back.

- "Early bird" payment before march 1st: 650 EURO
- Standard payment: 750 EURO
- After-deadline payment: 850 EURO

Accompanying persons and students: **1. BASIC PHYSICO-CHEMICAL FEATURES NEEDED FOR OLED-RELATED MATERIALS**

- photochemistry & photophysics
- electrochemistry
- computational techniques
- charge mobility
- thermochemistry, thermodynamics

### 2. SYNTHETIC METHODS, MATERIALS

- p-, and n-conductors
- electron and hole blockers
- luminescent materials: metal complexes, singlet emitters, triplet emitters, polymers
- nanomaterials
- novel anode materials
- anode modifications with self-assembled thin solid films
- dopants: organic and inorganic

### 3. INDUSTRY NEEDS AND EXPECTATIONS

- roadmap for OLED technology
- requirements for small molecules
- requirements for polymers
- deposition technologies: wet ink-jet printing, high-vacuum deposition

### INVITED LECTURERS (list not completed\*)

- Dr. Herbert Boerner (Germany)
- Prof. Philippe Gerbier (France)
- Prof. Regis Reau (France)
- Prof. Mark E. Thompson (USA)
- Dr. Jerzy Karpiuk (Poland)
- Dr. Md. K. Nazeeruddin (Switzerland)
- Prof. J. A. Gareth Williams (UK)
- Prof. J. Kalinowski (Poland)
- Dr. Moritz Riede (Germany)
- Dr. Guenter Schmid (Germany)
- Dr. Dirk Hertel (Germany)
- Prof. Ifor D.W. Samuel, FRSE (UK)
- Prof. Thien-Phap Nguyen (France)
- Prof. Michel Holler (France)

*\*) Speakers, who confirmed their participation on Feb. 1<sup>st</sup> 2008*

### Additional HARD & SOFT SKILLS PROGRAMME

We offer one additional training for personal development:

- Mind Mapping <sup>\*</sup>, see <http://www.mindmapper.com>, <http://www.mindmapperusa.com>

HARD skills for chemist and material scientists:

- Materials Explorer 4.0, CAChe,<sup>\*</sup>): OLED device modeling software demo & training offered by Fujitsu-Poland, <http://www.fqs.pl> .  
Please, indicate your preference to attend one of these trainings while registering on-line.

*\*) For both trainings, you need to bring your personal notebook computer.*

## HOW TO PARTICIPATE?

Registration can be done on-line at <http://summerschool.olla-project.org>

## COSTS

- Payment includes: fee for participation + training materials (printed abstracts, pens, certificate of participation, DVD with all lectures as PDF files, and a 500 EURO

Bank operational costs will 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 proved, and could be rejected in case of doubt (E.g. unclear universities, private e-mails, such as hotmail.com, yahoo!, Gmail, etc.)

**SUMMER SCHOOL 2008 SITE :** <http://krutyn.mazury.info.pl/krutyn/index-e.html>

Mazur-syrenka conference centre: [www.mazursyrenka.pl](http://www.mazursyrenka.pl), [www.syrenkamazur.pl](http://www.syrenkamazur.pl)

## ACCOMMODATION & TRAVEL DETAILS

**Accommodation:** Lecturers in single rooms, participants in double rooms (you may indicate your room mate while registering on line, if relevant)

**Travel to Krutyń:** by coach on May 27 th

The Organizers will provide a coach from the Institute of Physical Chemistry of the Polish Academy of Sciences on May 27th, at 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 May 27th. Excellent website for hotel booking is available at: <http://www.booking.com> It's highly recommended to arrive before noon on May 27th, if possible.

## IMPORTANT DEADLINES:

Deadline for registration: March 30<sup>h</sup>

Deadline for abstract/poster: April 15<sup>st</sup>

Deadline for fee payment: April 25<sup>th</sup>

Deadline for presentations upload: April 25<sup>th</sup>

## CONTACT:

Prof. Marek Pietraszkiewicz, International Summer School Series Director

e-mail: [pietrasz@ichf.edu.pl](mailto:pietrasz@ichf.edu.pl)

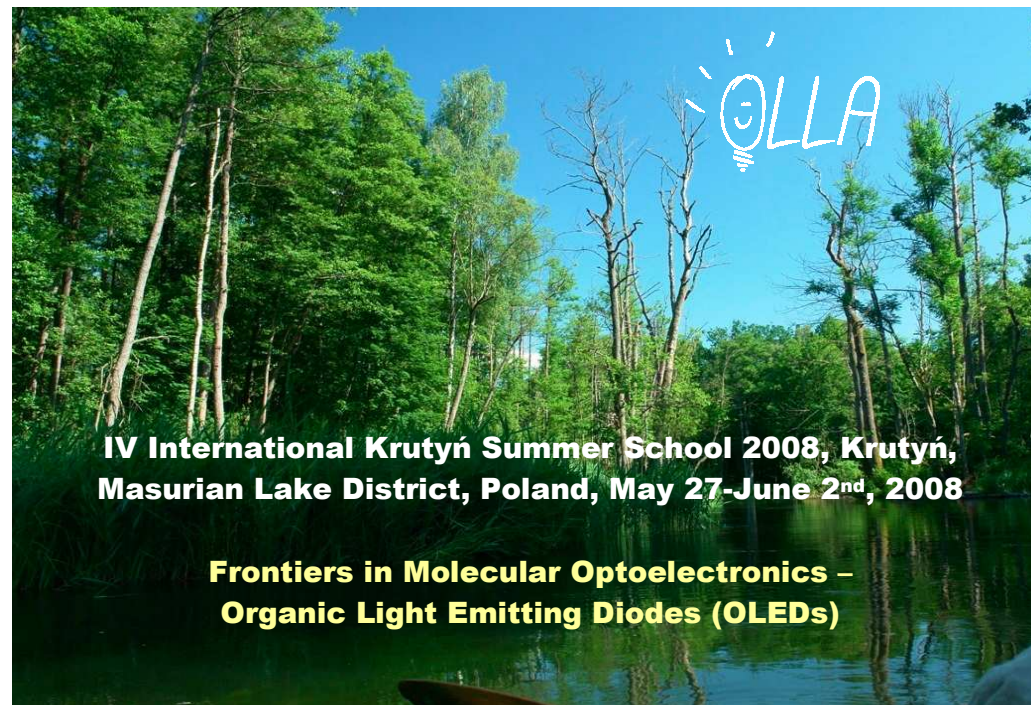
For FORMER SUMMER SCHOOLS MATERIALS browse:

2005: [http://ichf.edu.pl/summer\\_school2005/index.html](http://ichf.edu.pl/summer_school2005/index.html)

2006: <http://olla.ichf.edu.pl/>

2007: [http://olla.ichf.edu.pl/Summer\\_School2007/](http://olla.ichf.edu.pl/Summer_School2007/)

# International Summer School 2008



## Organizers:

Institute of Physical Chemistry of the Polish Academy of Sciences the Polish Supramolecular Chemistry Network Foundation, and OLLA Project

## SPONSORS:

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