

# XX<sup>th</sup> International Krutyn Summer School 2016

Krutyn, Masurian Lake District, Poland,

June 12-18, 2016

<http://photovoltaics.ikss.eu/>

## "Advanced Perovskite, Hybrid and Thin-film Photovoltaics"

### GENERAL INFORMATION & GOAL

This XX<sup>th</sup> International Krutyn Summer School - "Advanced Perovskite, Hybrid and Thin-film Photovoltaics" - is organized by the Institute of Physical Chemistry of the Polish Academy of Sciences, Poland, and The University of Edinburgh, Scotland. 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 advanced photovoltaics. 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 program, including: discotheque, bonfire, boats on Krutynia River, guided, or individual out-door activities (kayaking, trekking, bike, Nordic walking, high-class ballooning, 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 12<sup>th</sup> (for details see page 2). The Conference Complex "MAZUR-SYRENKA" ensures an excellent conference and accommodation services.

**SUMMER SCHOOL 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

Various photovoltaic systems, including perovskite, DSSC, OPV and several different thin-film technologies, promise to open up new applications and markets in PV. These differing technologies share overlapping concepts, materials, applications and challenges and accordingly, much can be learned from broad discussion and comparison across these fields. The programme for the meeting reflects this integrated approach to stimulate new understanding in advanced photovoltaics.

#### PV systems

1. Perovskites
2. DSSC and solid-state DSSC
3. OPV
4. CdTe, CIGS, CZTS

### Themes

1. Materials design, synthesis and characterisation
2. Materials processing and printing
3. Advanced device characterisation and modelling
4. Transparent electrodes
5. Advanced light management
6. Scale up and manufacture
7. Markets and commercial opportunities

### INVITED LECTURERS (confirmed in bold)

**Dr Wolfgang Tress, EPFL, Lausanne, Switzerland**

**Dr Ilario Gelmetti, ICIQ, Spain**

**Dr Karsten Walzer, HELIATEK GmbH, Germany**

**Prof. Hari Upadhyaya, Brunel University, London, UK**

**Prof. Stuart Irvine, Glyndwr University, UK**

Prof. Dave Worsley, Swansea University, UK

**Dr Ian Howard, KIT, Germany**

**Prof. Piers Barnes, Imperial College London, UK**

**Prof. Neil Robertson, University of Edinburgh, UK**

**Dr Michal Maciejczyk, University of Edinburgh, UK**

**Dr Olga Malinkiewicz, Saule Ltd., Poland**

### HOW TO PARTICIPATE?

Registration only on-line

**FEE: 900 PLN (225 €), Accompanying person: 2300 PLN: accommodation, full board, excursion, bonfire, transport, social events (575 €).**

**FEE includes:** an access for participation + training materials (printed abstracts, pens, certificate of participation, DVD with all lectures as PDF files, and a collection of Summer School pictures), **medical services on-site**, and coach transport from Warsaw to Krutyn and back.

**HOTEL COST ( single room for regular participants deadline for reservation: February 28<sup>th</sup> 2016, due to the limited number (10) of single rooms), including an accommodation (six nights), full board, and social events (excursion & bonfire).**

Fee: 900 PLN, or 225 €			
Full Board and Accommodation, 6 nights			
Double room in PLN	Single room in PLN	Double room in €	Single room in €
2300	2700	575	675
After payment deadline			
2500	2900	625	725

### **IMPORTANT: Bank operational costs are to be borne 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 from the Institute of Physical Chemistry, PAS, on June 12<sup>th</sup>

The Organizers will provide two coaches from the Institute of Physical Chemistry of the Polish Academy of Sciences, Warsaw, Kasprzaka str., 44/52, on June 12<sup>th</sup>, at 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 June 12<sup>th</sup>. Excellent website for hotel booking is available at: <http://www.booking.com> It is highly recommended to arrive before noon on June 12<sup>th</sup>, if possible. Departure from Krutyń to Warsaw on June 18<sup>th</sup> at 8.00 a.m.

#### IMPORTANT DEADLINES:

single room, deadline for reservation: February 28<sup>th</sup> 2016

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

Deadline for fee payment: April 20<sup>th</sup>

Deadline for poster A4/abstract: May 20<sup>th</sup>

Deadline for presentations upload: May 30<sup>th</sup>

Cancellations: before April 30<sup>th</sup> fee will be returned, after April 30<sup>th</sup> no refund will be possible.

#### CONTACT:

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#### Media patronage



## International Krutyń Summer School 2016

#### Organizers:

The Institute of Physical Chemistry of the Polish Academy of  
Sciences, Poland

The University of Edinburgh, Scotland

