

XXIInd International Krutyn Summer School 2017

Krutyn, Masurian Lake District, Poland,

May 21-27, 2017

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

"State of the Art Organic-only TADF OLEDs. From Theory to Applications"

GENERAL INFORMATION & GOAL

This XXIInd International Krutyn Summer School - "State of the Art in Organic-only TADF OLEDs. From Theory to Applications"- is organized by the Institute of Physical Chemistry of the Polish Academy of Sciences, Poland, Durham University, UK, Strathclyde University, UK, and Silesian University of Technology, Poland. This Summer School will give state-of-the-art training in the form of lectures and consulting discussions designed for Ph.D. students and young researchers seeking to reinforce their knowledge and skills in the field of advanced OLED materials. Top experts in this area will deliver lectures and informal discussions. 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 be arranged throughout the week, including: dance party, bonfire, boats on Krutynia River, organized, and individual out-door activities (kayaking, trekking, cycling, Nordic walking, hot air 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 May 21st (for details see page 2). The Conference Complex "MAZUR-SYRENKA" ensures an excellent conference and accommodation services.

SUMMER SCHOOL 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 PROGRAM

- 1) Organic Synthesis
 - a) Synthesis of organic materials for optoelectronic applications
 - b) Development of new reagents for organic synthesis
 - c) New blue and red non-heavy atom emitters
- 2) Characterization of organic materials
 - a) Photophysical aspects of TADF and TTA emitters
 - b) Room temperature phosphorescence emitters
- 3) Characterization of OLED devices
 - a) Formation and analysis of OLED devices
 - b) Theoretical limits for OLED devices
 - c) Device physics
- 4) Q-M computation

- a) Theoretical background of TADF process
 - b) Correlation between theory and practice
- 5) Technological Aspects
- a) Technological implementation of OLED devices
 - b) Market analysis of OLED lighting
 - c) Highly efficient and Flexible OLED lighting

INVITED SPEAKERS (not confirmed)

Prof. Martin Bryce (Durham University, UK)

Prof. Youhei Takeda (Osaka University, Japan)

Prof. Tim Swager (MIT, USA)

Dr. Fernando Dias (Durham University, UK)

Prof. Peter Gilch (Dusseldorf University, Germany)

Prof. Andrew Monkman (Durham University, UK)

Dr. Simone Lenk (TU. Dresden, Germany)

Prof. Beat Ruhstaller (Fluxim AG, Germany)

Dr. Thomas Penfold (Newcastle University, UK)

Prof. Christel M. Marian (Dusseldorf University, Germany)

Dr Christof Pflum (Merck KgaA, Germany)

Dr Steffen Schmitz (Astron-Fiamm, Germany)

Dr Carsten Rothe (Novaled, Germany)

HARD & SOFT SKILLS PROGRAM

HIGHLIGHT!! Free of charge. The Schrödinger Materials Science team will present the overview "High throughput atomic-scale simulations for TADF materials for OLED: Materials analysis, optimization and discovery" (<http://www.schrodinger.com/materials>) In this presentation, Dr. Gavartin will discuss how the atomic scale modeling impacts the development of Thermally Activated Delayed Fluorescence. The discussion will be accompanied by the tutorial on participants notebooks, demonstrating Schrödinger Materials Science Suite software capabilities and applications.

HOW TO PARTICIPATE?

Registration only on-line

FEE: 900 PLN (225 €)

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: 30th January 2017, due to the limited number (10) of single rooms), including an accommodation (six nights), full board (all meals + coffee breaks), and social events (excursion & bonfire).

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

Fee: 900 PLN, or 225 €			
Hotel cost			
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 May 21st

Registration: 9.00 a.m. – 15.45. The Organizers will provide one, or two coaches from the Institute of Physical Chemistry of the Polish Academy of Sciences, Warsaw, Kasprzaka str., 44/52, on May 21st, 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 May 21st. Excellent website for hotel booking is available at: <http://www.booking.com> It is highly recommended to arrive before noon on May 21st, if possible. Lunch will be provided at 13.00-14.00 at the Institute. Departure from Krutyń to Warsaw on May 27th at 8.00 a.m.

DEADLINES:

Deadline for registration: February 15th, 2017

Deadline for fee payment: March 15th, 2017

Deadline for cancellation: February 15th, 2017

Deadline for abstract submission: March 30th, 2017

Deadline for presentations upload: May 10th, 2017

IKSS DIRECTORS & CONTACT:

Professor Marek Pietraszkiewicz, IKSS2017 Administrative Director

mpietraszkiewicz@ichf.edu.pl

Professor Andrew Monkman, IKSS2017 Scientific Director

a.p.monkman@durham.ac.uk

Professor Peter Skabara, IKSS2017 Scientific Director

peter.skabara@strath.ac.uk

Dr Przemysław Data, IKSS2017 Scientific Director

przemyslaw.data@polsl.pl

Any late cancellation after deadline for payment will result in full financial charges to the Faculty/Institute of the Participant



International Krutyń Summer School 2017

Organizers:

Institute of Physical Chemistry of the Polish Academy of Sciences, Poland, Durham University, UK, Strathclyde University, UK, and Silesian University of Technology, Poland

