

Final programme

Czech Society for Applied Photocatalysis – UK&Ireland Semiconductor Photochemistry Network Meeting

EURO-NETWORK PHOTOCATALYSIS MEETING

Date: *5th September - 6th September 2019*

Main Czech partner:

University of Chemistry and Technology, Prague - Prof. Josef Krýsa

Main UK partner:

Queens University Belfast - Prof. Andrew Mills

Participating institutions:

Czech Republic

University of Chemistry and Technology, Prague (UCT Prague)

J. Heyrovský Institute of Physical Chemistry CAS (JHIPC CAS)

Institute of Inorganic Chemistry CAS (IIC CAS)

Faculty of Chemical Technology, Technical University Brno (TU Brno)

Institute of Physics CAS (IP CAS)

Technical University Ostrava (TU Ostrava)

Faculty of Chemical Technology, University Pardubice (U Pardubice)

United Kingdom

Queens University Belfast (QUB)

Cardiff University

Manchester Metropolitan University (MMU)

Southampton University

Swansea University

Ulster University

Other countries

University of Notre Dame, USA (Notre Dame)

North China Electric Power University (China)

Fee: 1500 CZK (covers also conference dinner, coffee breaks and working lunch) – paid in cash at the registration

Hotels in easy walking distance of the conference venue:

Hotel DAP (<https://www.volareza.cz/hotel-dap/en>)

Hotel MEDA (<http://hotelmeda.cz/cs.html>)

Hotel Silenzio (<http://www.silenziohotel.cz/en/>)

Hotel Diplomat (<https://www.viennahouse.com/index.php?id=950&L=3>)

Participants are responsible for arranging their own transportation to and from the conference venue, also for arranging their accommodation.

Agenda

5th September 2019

Time	Speaker	Title	Institute
9.00-10.00	registration, fee payment, coffee, room B02 – building B, the ground floor		
10.00-10.10	Conference hall BI – building B, the ground floor Welcome introductory remarks: Josef Krysa (Chair)		
10.10-10.40	Jia-Hong Pan	Sol-gel Route to Self-assembly of Size-tunable TiO ₂ Spheres: Textural Properties and Photochemical Applications	China
10.40-11.10	Mike Bowker	Hydrogen production by photo-reforming of methanol on pure titania?	Cardiff
11.10-11.40	Jan Macák	Anodic TiO ₂ nanotube Layers: Upscale and tailoring	Pardubice
11.40-12.10	Peter Robertson	Photocatalytic destruction of cyanotoxins: From Lab to Lake	QUB
12.10-12.40	Zdeněk Hubička	Hybrid reactive high power impulse magnetron sputtering system combined with electron cyclotron wave resonance ECWR plasma used for the deposition of semiconducting thin films	IP CAS
12.40-13.10	Marina Ratova	Photocatalytic Bismuth oxide coatings and their potential for water Treatment applications	MMU
13.10-14.00	LUNCH		
14.00-15.00	Prashant Kamat	Role of Sacrificial Donors in Photocatalysis	Notre Dame
15.00-15.30	Christopher O'Rourke	Photocatalysed generation of disinfectant and fuel	QUB
15.30-16.00	Petr Dzik/ Michal Veselý	Patterned semiconducting layers fabricated by material printing	TU Brno
16.00-16.20	COFFEE		
16.20-16.50	Libor Čapek	Potential of photocatalysts in water splitting under presence of methanol as sacrificial agent	Pardubice
16.50-17.10	Rachel Andrews	A super sensitive NO _x test for low activity photocatalyst films	QUB
17.10-17.40	Martin Reli	Transformation of carbon dioxide into fuel by photocatalytic process	TU Ostrava
17.40-18.10	Nathan Skillen	Photocatalysis in Bioenergy; finding its feet or a step too far?	QUB
19.00-22.00	Conference dinner (Carbon Club, building B)		

Conference venue:

University of Chemistry and Technology in Prague, Technická 3, Prague 6; building B

(1) **For Registration: room B02** – building B, the ground floor

(2) **For the talks:** the ground floor, conference hall BI

6th September 2019 Morning

Time	Speaker	Title	Institute
8.55-9.00	Conference hall BI – building B, the ground floor Introductory remarks: Andrew Mills (chair)		
9.00-9.30	Zheng Jiang	Photocatalytic photofuel cell or hydrogen evolution	Southampton
9.30-10.00	Petr Praus	Graphitic carbon nitride and its composites for photocatalysis	TU Ostrava
10.00-10.30	Amit Singhal	C ₃ N ₄ , non-photocatalytic activity	Ulster
10.30-11.00	Josef Krýsa	Hematite photoanodes for water splitting	UCT Prague
11.00-11.20	COFFEE		
11.20-11.50	Giovanni Zumo	Surface functionalization of TiO ₂ nanoparticles to formulate colloids compatible with low-temperature fabrication of self-cleaning compact films	Swansea
11.50-12.20	Sarka Pausova	Composite Active carbon – TiO ₂ for photocatalytic water treatment	UCT Prague
12.20-12.40	James Hayward	Photocatalytic hydrogen production and uses in synthesis	Cardiff
12.40-13.00	Michael Bingham	Photocatalysed reforming of MeOH	QUB
13.00-13.10	Closing remarks		

Conference venue:

University of Chemistry and Technology in Prague, Technicka 3, Prague 6; building B the ground floor, conference hall BI