

6th Solar Fuels Symposium – University of York

19th March 2018

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| **9:30 am** | **Registration open, coffee available** |  | | |
| **10:30 am** | Welcome by Prof. Robin Perutz and Prof. Erwin Reisner | | | |
| **10:40 am** | **Invited talk:** Dr. Richard Douthwaite, University of York  *Macroporous photocatalysis and surface modification of metal oxide photoelectrodes* | | | |
| **11:10 am** | Dr. Julien Warnan, University of Cambridge  *The potential of organic chromophores in molecular dye‑sensitised schemes towards solar H2 evolution in water* | | | |
| **11:30 am** | Dr. Laia Francas, Imperial College London  *Spectroelectrochemical study of the catalytic species on the Ni(Fe)OOH and FeOOH electrocatalysts* | | | |
| **11:50 pm** | **Invited talk:** Dr. Sylvie Chardon-Noblat, Université Grenoble Alpes  *CO2 electrochemical reduction driven by Mn-carbonyl molecular catalysts* | | | |
| **12:20 pm** | **Lunch** | |  | |
| **13:20 pm** | **Keynote lecture:** Prof. Michael Wasielewski, Northwestern University  *Self-assembling organic nanostructures for solar energy conversion* | | | |
| **14:30 pm** | **Invited talk:** Prof. Junwang Tang, University College London  *Insight on 2-D polymer photocatalysts for solar fuel synthesis* | | | |
| **15:00 pm** | Dr. Alex Cowan, University of Liverpool  *Sum frequency spectroscopy of electrode surfaces during CO2 reduction* | | | |
| **15:20 pm** | **Coffee break** | |  | |
| **15:50 pm** | Dr. Ifan Stephens, Imperial College London  *Accelerating water oxidation on model oxide electrodes* | | | |
| **16:10 pm** | Dr. Jin Xuan, Heriot-Watt University  *Solar optofluidics for solar fuels* | | | |
| **16:30 pm** | **Invited talk:** Prof. Julea Butt, University of East Anglia  *Multiheme cytochromes: molecular wires for solar fuels* | | | |
| **17:00 pm** | **Poster session** | | |  |

20th March 2018

Postgraduate and Early Career SFN meeting

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| **9:00 am** | **Welcome** |  |
| **9:05 am** | Camilo Mesa, Imperial College London  *Experimental and theoretical analysis of water oxidation catalysis on metal-oxide photoanodes* | |
| **9:25 am** | Hui Luo, Queen Mary University of London  *Plasmonic carbon dots hybridised with TiO2 for photocatalytic water splitting* | |
| **9:45 am** | Dr. Khoa Hoang Ly, University of Cambridge  *In situ vibrational spectro-electrochemistry in solar fuels research* | |
| **10:05 am** | Catherine Atchinson, University of Liverpool  *Emulsion polymerisation for small particle organic photocatalysts for improved light driven hydrogen evolution* | |
| **10:25 am** | Dr. Jennifer Rudd, Swansea University  *The importance of ligand arrangement for water oxidation catalysis* | |
| **10:45 am** | **Coffee break** |  |
| **11:15 am** | Charles Creissen, University of Cambridge  *Solar hydrogen generation in water with a CuCrO2 photocathode modified with an organic dye and molecular Ni catalyst* | |
| **11:35 am** | Dr. Santosh Kumar, Aston University  *Layered double hydroxide-based nanomaterials for photocatalytic reduction of CO2 into renewable fuels* | |
| **11:55 am** | Gael Gobaille-Shaw, University of Bristol  *Electrocatalytic CO2 reduction using Pt1-xFex electrodes* | |
| **12:15 am** | Dr. Shahid Rasul, Newcastle University  *Alloy electrocatalysts for conversion of CO2 to generate solar fuels* | |
| **12:35 pm** | Dr. Franky Esteban Bedoya‑Lara, Imperial College London  *Unified model of photo-electrochemical reactors: Geometric optimisation of perforated photo-electrodes* | |
| **13:05 pm** | **Conclusion and prize giving** |  |