

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** |  |