Solar Fuels Network

6th Solar Fuels Symposium – University of York

19th March 2018

9:30 am	**Registration open, coffee available**
10:30 am	Welcome by Prof. Robin Perutz and Prof. Erwin Reisner
	SESSION 1 – Chaired by: 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 H_2 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 *CO_2 electrochemical reduction driven by Mn-carbonyl molecular catalysts*
12:20 pm	**Lunch**
	SESSION 2 – Chaired by: Prof. Robin Perutz
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 CO_2 reduction*
15:20 pm	**Coffee break**
	SESSION 3 – Chaired by: Dr Moritz Kuehnel
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 (2 hours)**

20th March 2018

Postgraduate and Early Career SFN Symposium

9:00 am	**Welcome**
	SESSION 1 – Chaired by: Dr. Joyashish Debgupta
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 TiO_2 for photocatalytic water splitting*
9:45 am	Charles Creissen, University of Cambridge *Solar hydrogen generation in water with a $CuCrO_2$ photocathode modified with an organic dye and molecular Ni catalyst*
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**
	SESSION 2 – Chaired by: Dr. Nikolay Kornienko
11:15 am	Dr. Khoa Hoang Ly, University of Cambridge *In situ vibrational spectro-electrochemistry in solar fuels research*
11:35 am	Gael Gobaille-Shaw, University of Bristol *Electrocatalytic CO_2 reduction using $Pt_{1-x}Fe_x$ electrodes*
11:55 am	Dr. Shahid Rasul, Newcastle University *Alloy electrocatalysts for conversion of CO_2 to generate solar fuels*
12:15 am	Dr. Franky Esteban Bedoya-Lara, Imperial College London *Unified model of photo-electrochemical reactors: Geometric optimisation of perforated photo-electrodes*
12:35 pm	**Short break, conclusion and prize giving**