



3rd UK Solar Fuels Symposium

20th January 2015

Edinburgh Conference Centre

Heriot-Watt University

Programme

- 9.30-10:00** *Registration, tea and coffee*
- 10:00-10:10** **Welcome by Symposium Co-chairs**
Prof Richard Cogdell, University of Glasgow
Prof Mercedes Maroto-Valer, Heriot-Watt University
- 10:10-12:00** **Session 1: Selection of Solar Fuels**
- 10:10-10:50 **Invited talk: Prof Adam Lee, Aston University**
Nanostructured materials for CO₂ photoreduction
- 10:50-11:40 **Invited talk: Prof Lee Cronin, University of Glasgow**
Water splitting with redox mediators
- 11:40-12:00 **Dr Alex Cowen, University of Liverpool;** Spectroscopy driven development of materials for solar fuel production
- 12:00-13:00** *Lunch and Poster Presentations*
- 13:00-14:30** **Session 2: Reaction systems and mechanisms**
- 13:00-13:40 **Invited talk: Prof Jeffrey Wu, National Taiwan University**
CO₂ photoreduction to renewable energy using a novel twin reactor
- 13:40-14:00 **Dr Jin Xuan, Heriot-Watt University;** Solar fuel cell
- 14:00-14:20 **Dr Frank Jaeckel, University of Liverpool;** Colloidal tandem cell for photocatalytic hydrogen generation
- 14:20-14:40 **Dr Steph R Pendlebury, Imperial College;** Insights into catalytic mechanisms from time-resolved absorption spectroscopy
- 14:40-15:10** *Coffee and Poster Presentations*
- 15:10-16:30** **Session 3: Photocatalysis and Photosystems**
- 15:10-15:50 **Invited talk: Prof Hugo De Lasa, Western Ontario University**
Photocatalysis: Light, Alternative Energy and the Environment
- 15:50-16:10 **Dr Martijn A Zwijnenburg, University College London;** Understanding the photocatalytic activity of TiO₂ nanoparticles
- 16:10-16:30 **Dr Heiko Lokstein, University of Glasgow;** Photosystem I and other pigment-protein complexes for photobiotechnology
- 16:30** *Meeting Close*



University
of Glasgow