



## Monday 25 March

11:00	Registration, Tea and Coffee	
12:00	Lunch	
12:45	<b>Welcome and Introductions</b> Erwin Reisner, <i>Chair of Scientific Committee</i>	
12:55	<b>Outline of Discussion Format</b> Colin King and Lorna Arens, <i>Royal Society of Chemistry Publishing Editors</i>	
13:00	<b>Introductory Lecture</b> (Session Chair: Erwin Reisner) Matthias Beller <i>Leibniz Institute for Catalysis</i>	
	<b>Session 1: Biological approaches to artificial photosynthesis</b> (Session Chair: Jenny Zhang )	
14:00	<b>Tuning purple bacteria salt-tolerance for photobioelectrochemical systems in saline environments</b> Matteo Grattieri, Kevin Beaver, Erin M. Gaffney and <u>Shelley D. Minteer</u> <i>The University of Utah</i>	<b>Paper 24802</b>
14:05	<b>Towards compartmentalized photocatalysis: multiheme proteins as transmembrane molecular electron conduits</b> Anna Stikane, Ee Taek Hwang, Emma V. Ainsworth, Samuel Piper, Kevin Critchley, Julea N. Butt, Erwin Reisner and <u>Lars J. C. Jeuken</u> <i>University of Leeds</i>	<b>Paper 24666</b>
14:10	<b>Solar-driven carbon dioxide fixation using photosynthetic semiconductor bio-hybrids</b> Stefano Cestellos-Blanco, Hao Zhang and <u>Peidong Yang</u> <i>University of California, Berkeley</i>	<b>Paper 24803</b>
14:15	<b>A kinetic model for redox-active film based biophotoelectrodes</b> D. Buesen, T. Hofer, H. Zhang and <u>N. Plumeré</u> <i>Ruhr-University Bochum</i>	<b>Paper 24715</b>
14:20	Discussion	
16:00	Afternoon tea	
	<b>Session 2: Synthetic approaches to artificial photosynthesis</b> (Session Chair: Christine Caputo)	
16:30	<b>Photocatalytically active ladder polymers</b> Anastasia Vogel, Mark Forster, Liam Wilbraham, Charlotte L. Smith, Alexander Cowan, Martijn A. Zwijnenburg, Reiner Sebastian Sprick and <u>Andrew I. Cooper</u> <i>University of Liverpool</i>	<b>Paper 24805</b>
16:35	<b>Computational high-throughput screening of polymeric photocatalysts: exploring the effect of composition, sequence isomerism and conformational degrees of freedom</b> Isabelle Heath-Apostolopoulos, Liam Wilbraham and <u>Martijn A. Zwijnenburg</u> <i>University College London</i>	<b>Paper 24743</b>
16:40	<b>Visible light-driven water oxidation with a ruthenium sensitizer and a cobalt-based catalyst connected with a polymeric platform</b>	<b>Paper 24740</b>

	Zeynep Kap and <u>Ferdi Karadas</u> <i>Bilkent University</i>	
16:45	Discussion	
18:00	Lightning presentations (by invitation of the scientific committee)	
18:30	Poster Session and Wine Reception	
20:30	Close of day	

## Tuesday 26 March

	<b>Session 2 continued: Synthetic approaches to artificial photosynthesis</b> (Session Chair: Christine Caputo)	
09:30	<b>Evaluating the impacts of amino acids in the second and outer coordination spheres of Rh-bis(diphosphine) complexes for CO<sub>2</sub> hydrogenation</b> Aaron P. Walsh, Joseph A. Laureanti, Sriram Katipamula, Geoffrey M. Chambers, Nilusha Priyadarshani, Sheri Lense, J. Timothy Bays, John C. Linehan and <u>Wendy J. Shaw</u> <i>Pacific Northwest National Laboratory</i>	<b>Paper 24804</b>
09:35	<b>Performance of enhanced DuBois type water reduction catalysts (WRC) in artificial photosynthesis - effects of various proton relays during catalysis</b> Wolfgang Viertl, Johann Pann, Richard Pehn, Helena Roithmeyer, Marvin Bendig, Alba Rodríguez-Villalón, Raphael Bereiter, Max Heiderscheid, Thomas Müller, Xia Zhao, Thomas Hofer, Mark E. Thompson, Shuyang Shid and <u>Peter Brueggeller</u> <i>University of Innsbruck</i>	<b>Paper 24605</b>
09:40	<b>Photoinduced hole transfer from tris(bipyridine)ruthenium dye to a high-valent iron-based water oxidation catalyst</b> <u>Sergii I. Shylin</u> , Mariia V. Pavliuk, Luca D'Amario, Igor O. Fritsky and Gustav Berggren <i>Uppsala University</i>	<b>Paper 24622</b>
09:45	Discussion	
11:00	Morning Tea	
	<b>Session 2 continued: Synthetic approaches to artificial photosynthesis</b> (Session Chair: Andrew Bocarsly)	
11:45	<b>TBC</b>	<b>Paper</b>
11:50	<b>Light induced formation of a surface heterojunction in photocharged CuWO<sub>4</sub> photoanodes</b> Anirudh Venugopal and <u>Wilson A. Smith</u> <i>TU Delft</i>	<b>Paper 24661</b>
11:55	<b>Distinguishing the effects of altered morphology and size on the visible-light-induced water oxidation activity and photoelectrochemical performance of BaTaO<sub>2</sub>N crystal structures</b> <u>Mirabbos Hojamberdiev</u> , Kenta Kawashima, Takashi Hisatomi, Masao Katayama, Masashi Hasegawa, Kazunari Domen and Katsuya Teshima <i>Nagoya University</i>	<b>Paper 24053</b>
12:00	Discussion	
13:15	Lunch	
14:15	<b>Iron phosphate modified calcium iron oxide as an efficient and robust catalyst in electrocatalyzing oxygen evolution from</b>	<b>Paper 24378</b>

	<b>seawater</b> Wei-Hsiang Huang and <u>Chia-Yu Lin</u> <i>National Cheng Kung University</i>	
14:20	<b>Mechanistic insights into C2 and C3 product generation using Ni<sub>3</sub>Al and Ni<sub>3</sub>Ga electrocatalysts for CO<sub>2</sub> reduction</b> <u>Aubrey R. Paris</u> and Andrew B. Bocarsly <i>Princeton University</i>	<b>Paper 24724</b>
14:25	<b>Fe<sub>x</sub>Ni<sub>9-x</sub>S<sub>8</sub> (x = 3-6) as potential photocatalysts for solar-driven hydrogen production?</b> David Tetzlaff, Christopher Simon, Demetra S. Achilleos, Mathias Smialkowski, Kai Junge Puring, André Bloesser, Stefan Piontek, Hatice Kasap, Daniel Siegmund, Erwin Reisner, Roland Marschall and Ulf-Peter Apfel <i>Ruhr-University Bochum</i>	<b>Paper 24493</b>
14:30	Discussion	
15:45	Afternoon Tea	
	<b>Session 3: Demonstrator Devices for Artificial Photosynthesis</b> (Session Chair: Sophia Haussener)	
16:30	<b>Sequential catalysis enables enhanced C-C coupling towards multi-carbon alkenes and alcohols in carbon dioxide reduction: a study on bifunctional Cu/Au electrocatalysts</b> Jing Gao, Dan Ren, Xueyi Guo, Shaik Mohammed Zakeeruddin and <u>Michael Grätzel</u> <i>École Polytechnique Fédérale de Lausanne</i>	<b>Paper 24806</b>
16:35	<b>A tandem photoelectrochemical water splitting cell consisting of CuBi<sub>2</sub>O<sub>4</sub> and BiVO<sub>4</sub> synthesized from a single Bi<sub>4</sub>O<sub>5</sub>I<sub>2</sub> nanosheet template</b> <u>Yi-Hsuan Lai</u> , Kai-Che Lin, Chen-Yang Yen and Bo-Jyun Jiang <i>National Sun Yat-sen University</i>	<b>Paper 24675</b>
16:40	Discussion	
17:30	Close of sessions	
18:30	Pre-Dinner Drinks	
19:00	Conference Dinner	

### Wednesday 27 March

	<b>Session 3 continued: Demonstrator Devices for Artificial Photosynthesis</b> (Session Chair: Sophia Haussener)	
09:00	<b>Z-scheme photocatalyst systems employing Rh- and Ir-doped metal oxide materials for water splitting under visible light irradiation</b> <u>Akihiko Kudo</u> , Shunya Yoshino, Taichi Tsuchiya, Yuhei Udagawa, Yukihiko Takahashi, Masaharu Yamaguchi, Ikue Ogasawara, Hiroe Matsumoto and Akihito Iwase <i>Tokyo University of Science</i>	<b>Paper 24807</b>
09:05	<b>A microfluidic photoelectrochemical cell for solar-driven CO<sub>2</sub> conversion into liquid fuels with CuO-based photocathodes</b> <u>Evangelos Kalamaras</u> , Meltiani Belekoukia, Jeannie Z. Y. Tan, Jin Xuan, M. Mercedes Maroto-Valer and John M. Andresen <i>Heriot-Watt University, Edinburgh</i>	<b>Paper 24733</b>
09:10	Discussion	
10:00	Morning Tea	

	<b>Session 4: Beyond artificial photosynthesis</b> (Session Chair: Matthias Beller)	
10:30	<b>Utilising excited state organic anions for photoredox catalysis: activation of (hetero)aryl chlorides by visible light absorbing 9-anthrolate anions</b> Matthias Schmalzbauer, Indrajit Ghosh and <u>Burkhard König</u> <i>Universität Regensburg</i>	<b>Paper 24808</b>
10:35	<b>Influence of carbonaceous species on aqueous photo-catalytic nitrogen fixation by titania</b> Yu-Hsuan Liu, Manh Hiep Vu, JeongHoon Lim, Trong-On Do and <u>Marta C. Hatzell</u> <i>Georgia Institute of Technology</i>	<b>Paper 24720</b>
10:40	<b>P-type dye-sensitized solar cells based on pseudorotaxane mediated charge-transfer</b> Tessel Bouwens, Simon Mathew and <u>Joost N. H. Reek</u> <i>University of Amsterdam</i>	<b>Paper 24809</b>
10:45	<b>Photo-generation of propylene carbonates using hyper-branched Ru-TiO<sub>2</sub></b> <u>Stelios Gavrielides</u> , Jeannie Z. Y. Tan, Eva Sanchez Fernandez and M. Mercedes Maroto-Valer <i>Heriot-Watt University, Edinburgh</i>	<b>Paper 24718</b>
10:50	Discussion	
12:30	<b>Concluding Remarks Lecture</b> (Session Chair: Erwin Reisner) James Durrant <i>Imperial College London, United Kingdom</i>	
13:10	<b>Acknowledgements</b>	
13:15	<b>Close of meeting and Lunch</b>	

Please note that this is a draft programme and timings may change.