

16:00 – 16:15 OPENING Gunther Wittstock

LECTURE SESSION, Chair: Mehtap Özaslan

16:15 – 17:00	PL1	New chemistries for electricity storage in fluid phases <b>Girault, H. H.</b>
17:00 – 17:20	O1	Synthetic Molecules as Energy Carriers in Redox Flow Batteries <b>N. Heiland</b>
17:20 – 17:40	O2	Electrocatalytic hydrogenation of organic molecules as a method for energy storage <b>W. Sauter</b>
17:40 – 18:00	O3	Evaluation of the performance of a bidirectional vanadium/air redox flow battery <b>J. grosse Austing</b>

18:10 – 19:10 Dinner

LECTURE SESSION, Chair: Frank Marken

19:20 – 19:40	O4	Electrochemical cell designs for the study of electrocatalytic oxidation of small organic molecules at elevated temperatures <b>M. Fleige</b>
19:40 – 20:00	O5	Gas Diffusion Electrodes for Li/O <sub>2</sub> Batteries: Impact of Porosity, Wettability and Electrode Design <b>A. Westphal</b>
20:00 – 20:20	O6	Molecular Membranes with Ionic Diode Characteristics <b>F. Marken</b>

LECTURE SESSION, Chair: Michael Wark

8:30 – 9:15	PL2	Solar cells from electrochemical self-assembly of inorganic/organic hybrid nanostructures <b>T. Yoshida</b>
9:15 – 9:35	O7	Influence of Dye Anchoring and Intermolecular Interaction on the Charge Injection and Recombination Kinetics in Dye-Sensitized Solar Cells <b>D. Schlettwein</b>
9:35 – 9:55	O8	Organically modified hematite photoanodes obtained via electrochemical deposition <b>D. H. Taffa</b>

9:55 – 10:25 Coffee Break

LECTURE SESSION, Chair: Kim Daasbjerg

10:25 – 10:45	O9	Electrocatalytic Water Splitting by Cobalt Complexes <b>I. Siewert</b>
10:45 – 11:05	O10	Molecular Catalysis of H <sub>2</sub> Evolution. Diagnosing Heterolytic vs. Homolytic Pathways <b>H. Dridi</b>
11:05 – 11:25	O11	Electrocatalytic reduction of carbon dioxide and nitrate on a cobalt protoporphyrin immobilized on a pyrolytic graphite electrode <b>J. Shen</b>
11:25 – 11:45	O12	Organometallic Iridium Complexes for Highly Efficient Water Oxidation Catalysis <b>U. Hintermair</b>
11:45 – 12:05	O13	Original Dual Microelectrode for Writing and Reading with SECM <b>D. Zigah</b>

12:05 – 13:05 Lunch Break

LECTURE SESSION, Chair: Yan Shen

13:15 – 13:35	O14	Determination of the reversible potential of water oxidation catalysts under catalytic turnover condition using Fourier transformed large amplitude <b>J. Zhang</b>
13:35 – 13:55	O15	Transition Metal Dichalcogenides, Graphene and Other Layered Systems for Oxygen Reduction and Hydrogen Reduction Electrocatalysis <b>M. Pumera</b>
13:55 – 14:15	O16	Investigation of Non-Platinum Catalysts for Low Temperature Fuel Cells <b>T. Sönmez</b>
14:15 – 14:35	O17	Low Temperature Electrochemical Evaluation of Intermediates in Oxygen Activation Processes <b>I. Lopez</b>

14:45 – 16:15 Poster Session 1

LECTURE SESSION, Chair: Gunther Wittstock

16:15 – 17:00	PL3	Interface reactions in nonaqueous batteries: A journey from 3 to 5 Volts <b>P. Novak</b>
17:00 – 17:20	O18	New insights into the structure-property relationship of high-voltage electrolyte additives for lithium-ion batteries using a $pK_a$ value approach <b>D. R. Gallus</b>
17:20 – 17:40	O19	<i>In-operando</i> evaluation of the effect of vinylene carbonate on the insulating character of the solid electrolyte interphase <b>G. Zampardi</b>
17:40 – 18:00	O20	TEMPO: A molecular catalyst for rechargeable lithium oxygen batteries <b>B. Bergner</b>
18:00 – 18:20	O21	Opto-Electrochemistry on Single Nanoparticle <b>Y. T. Long</b>

18:30 – 19:30 Dinner

19:45 – Discussion with German beer, Poster Session

LECTURE SESSION, Chair: Tanja Vidakovic-Koch

8:30 – 9:15	PL4	NanoCarbon-based Electrocatalytic Composites for the Artificial Leaf <b>F. Paolucci</b>
9:15 – 9:35	O22	Oxygen reduction catalysis by wired microbial biofilms at cathodes: A chemolithotrophic mechanism? <b>F. Barrière</b>
9:35 – 9:55	O23	Photooxidation of TRIS in a Photoelectrochemical Biofuel Cell <b>M. Jönsson-Niedziolka</b>

9:55 – 11:10 Poster Session 2

LECTURE SESSION, Chair: Derck Schlettwein

11:10 – 11:30	O24	Supercapacitors based on biopolymer bacterial cellulose <b>Y. Shen</b>
11:30 – 11:50	O25	Dependencies of redox couple in the local electrogeneration and charge transfer on two-dimensional molybdenum oxide nanosheets <b>V. Kumar</b>
11:50 – 12:10	O26	Unraveling the charge transfer/electron transport in mesoporous TiO <sub>2</sub> films by real-time spectroelectrochemistry <b>V. Balland</b>
12:10 – 12:30	O27	Semi-metallic TiO <sub>2</sub> Nanotubes: Growth, Properties and Applications <b>R. Hahn</b>

12:40 – 13:40 Lunch Break

14:00 – 19:00 Excursion

19:30 – 23:00 Conference Dinner

LECTURE SESSION, Martin Jönsson-Niedziolka

8:30 – 9:15	PL5	Wired microbiology - mechanisms, facts and visions <b>U. Schröder</b>
9:15 – 9:35	O28	Supramolecular strategies for the direct wiring of multi-copper oxidases on carbon nanotube electrodes for bioelectrocatalytic oxygen reduction <b>A. Le Goff</b>
9:35 – 9:55	O29	Towards Rational Design of Bioelectrochemical Systems <b>T. Vidakovic-Koch</b>

9:55 – 10:25 Coffee Break

LECTURE SESSION, Chair: Steen Pedersen

10:25 – 10:45	O30	Transient electrochemical detection of radicals created by a radiolytic pulse <b>E. Maisonhaute</b>
10:45 – 11:05	O31	Nanostructured Metallic Catalysts Obtained by Localized Electrorefining <b>W. Nogala</b>
11:05 – 11:25	O32	Hierarchical macro-mesoporous gold electrodes for the efficient electrocatalytic reduction of oxygen <b>E. Gianessi</b>
11:25 – 11:45	O33	Nanostructured Systems for Electrocatalysis of Oxygen Reduction Reaction <b>M. Iurlo</b>
11:45 – 12:05	O34	Efficient Biofuel Cell Based on Microbial Surface Displaying Enzyme and Novel Nanostructures <b>A. Liu</b>
12:05 – 12:25	O35	Bifunctional Substrates Obtained by Bipolar Electrochemistry <b>L. Koefoed</b>

12:25 – 12:30 Closing remarks, Mehtap Özaslan