

6. GÖCH Symposium

Physikalische Chemie und Elektrochemie in Österreich

Karl-Franzens-Universität Graz, Mozartgasse 3/EG, 16.-17. Mai 2018

<i>Wednesday 16th May</i>		
12:00 – 13:00	Registration	
General Physical Chemistry		
13:00 – 13:20	Thomas Loerting <i>Uni Innsbruck</i>	Fascination Water and Ice
13:20 – 13:40	Georg Gescheidt <i>TU Graz</i>	Photo-Induced Reactivity: From Mechanisms to Applications
Materials		
13:40 – 14:00	Wolfgang Kautek <i>Uni Wien</i>	Interfacial Processes in Nanotechnology
14:00 – 14:20	Paolo Falcaro <i>TU Graz</i>	Engineering Metal-Organic Frameworks
14:20 – 14:40	Gilles Bourret <i>Uni Salzburg</i>	Nanostructured Materials for Enhanced Electric Fields
14:40 – 16:20	Poster Session	
Interfaces and Catalysis		
16:20 – 16:40	Norbert Memmel <i>Uni Innsbruck</i>	Structural and Kinetic Aspects of CO Oxidation on ZnOx-Modified Cu Surfaces
16:40 – 17:00	Christoph Rameshan <i>TU Wien</i>	Operando studies of model and technological heterogeneous catalysts
17:00 – 17:20	Thomas Berger <i>Uni Salzburg</i>	Build-up of reactive semiconductor oxide / liquid interfaces: From particle powders to porous electrodes
17:20 – 17:40	Annette Foelske-Schmitz <i>TU Wien</i>	X-ray photoelectron spectroscopy in electrochemistry research - from ex situ to in situ investigations of the electrode/electrolyte interface
17:40 – 18:00	Stijn Mertens <i>TU Wien</i>	Electrochemical Surface Science of Oxides and 2D Materials
19:00	Conference dinner	

<i>Thursday 17th May</i>		
Electrocatalysis		
9:00 – 9:20	Philipp Stadler <i>Uni Linz</i>	Bio-inspired functional motifs for selective metal-devoid electrocatalysis
9:20 – 9:40	Julia Kunze-Liebhäuser <i>Uni Innsbruck</i>	Surface science and DEMS studies of electrochemical CO and ethanol oxidation on TiOC supported Pt catalysts
9:40 – 10:00	Jürgen Fleig <i>TU Wien</i>	What makes oxygen reduction/evolution on solid electrolytes so different from the corresponding reactions in aqueous electrolytes?
10:00 – 10:20	Coffee break	
Electrochemistry and Energy		
10:20 – 10:40	Edith Bucher <i>Uni Leoben</i>	Towards the development of long-term stable SOFC and SOEC air electrodes
10:40 – 11:00	Wolfgang Preis <i>Uni Leoben</i>	Modelling of transport properties of oxide ceramics: defect chemistry, diffusion, and conductivity relaxation
11:00 – 11:20	Achim Walter Hassel <i>Uni Linz</i>	Preparation of aluminium lanthanoid alloy material libraries and their electrochemical properties
11:20 – 11:40	Ilie Hanzu <i>TU Graz</i>	Towards All-Solid State Lithium Batteries - The Case of LiBH ₄ Solid Electrolyte
11:40 – 12:00	Stefan Freunberger <i>TU Graz</i>	Energy storage beyond the horizon: materials and mechanism
12:00 – 12:20	Noemí Aguiló-Aguayo <i>Uni Innsbruck</i>	Embroidered structures in electrochemical energy storage devices
12:20 – 12:30	Final remarks	

Organisation:

Bernhard Gollas (TU Graz), Leonhard Grill (Uni Graz) und Martin Sterrer (Uni Graz)