6. GÖCH Symposium
Physikalische Chemie und Elektrochemie in Österreich

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

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

Thursday 17th May		
Electrocatalysis		
9:00 – 9:20	**Philipp Stadler** *Uni Linz*	Bio-inspired functional motifs for selective metal-devoid electrocatalysis
9:20 – 9:40	**Julia Kunze-Liebhäuser** *Uni Innsbruck*	Surface science and DEMS studies of electrochemical CO and ethanol oxidation on TiOC supported Pt catalysts
9:40 – 10:00	**Jürgen Fleig** *TU Wien*	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** *Uni Leoben*	Towards the development of long-term stable SOFC and SOEC air electrodes
10:40 – 11:00	**Wolfgang Preis** *Uni Leoben*	Modelling of transport properties of oxide ceramics: defect chemistry, diffusion, and conductivity relaxation
11:00 – 11:20	**Achim Walter Hassel** *Uni Linz*	Preparation of aliminium lanthanoid alloy material libraries and their electrochemical properties
11:20 – 11:40	**Ilie Hanzu** *TU Graz*	Towards All-Solid State Lithium Batteries - The Case of LiBH4 Solid Electrolyte
11:40 – 12:00	**Stefan Freunberger** *TU Graz*	Energy storage beyond the horizon: materials and mechanism
12:00 – 12:20	**Noemí Aguiló-Aguayo** *Uni Innsbruck*	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)