

DFG SPP 1613 Summer School, Tagungshaus Schönenberg Ellwangen, October 6-9, 2013

Program

Sun 06. Oct 2013

18:00-20:00		Arrival, welcome
20:00-21:00		Dinner
21:00-open		Open discussion accompanied by a poster session

Mon 07. Oct 2013

Time	Speaker	Topic
07:00-08:30		Breakfast
08:30-10:15	Professor Dr. Elena Selli	Photocatalysis for Energy and Environment
10:15-10:45		Coffee Break
10:45-12:30	Professor Andrew Mills	Assessing Photocatalytic Activity
12:30-13:45		Lunch
13:45-15:30	Professor Dr. Laurie Peter	Fundamentals of Semiconductor Electro-chemistry
15:30-16:00		Coffee Break
16:00-17:45	Professor Dr. Bruce Parkinson	The Past, Present and Future of Photoelectrochemical Energy Conversion
17:45-18:10		Break
18:10-18:50	Professor Dr. Peter Strasser	Scattering, Diffraction, and pair distribution function analysis for materials characterization
18:50-19:30	Joachim Klett	Xray photoelectron spectroscopy
19:30-20:30		Dinner
20:30-open		Open discussion "mingling around posters"

Tue 08. Oct 2013

07:00-08:30		Breakfast
08:30-10:15	Professor Dr. Antoni Llobet	Molecular Water Oxidation Mechanisms Followed by Transition Metal Complexes
10:15-10:45		Coffee Break
10:45-12:30	Dr. John Turner	Photoelectrochemical Water Splitting and the Hydrogen Economy
12:30-13:10	Professor Dr. Sebastian Fiechter	Characterization Techniques for Electrocatalysts at the Helmholtz-Zentrum Berlin für Materialien und Energy
13:10-14:30		Lunch
14:30-20:00		Hiking and informal discussion
20:00-21:00		Dinner

Wed 09. Oct 2013

07:00-08:30		Breakfast
08:30-10:15	Professor Dr. Peter Blaha	Introduction into DFT calculations for solids and surfaces
10:15-10:45		Coffee Break
10:45-12:30	Professor Dr. Joachim Sauer	Concept of DFT and/or MD to explain the functionality of catalysts, what can we learn with regard to reactions with water
12:30-13:30		Lunch
13:30-14:10	Yunbin He	Scanning Tunneling Microscopy: basics and application to image elementary processes relevant for the generation of solar fuels
14:10-14:50	Jacqueline Priebe	Opportunities and limitations of spectroscopic in-situ techniques for monitoring working plasmonic water splitting photocatalysts
14:50-15:30	Kirill Sliozberg	High-throughput photocurrent and photocurrent-spectroscopy evaluation of semiconductor libraries by means of specifically designed scanning droplet cell
15:30		Coffee Break, closing, departure