

Program for the SPP 1613 kick-off meeting, Schlosshotel Pommersfelden, 19.-20.11.2012

19th November 2012:

Arrival until 13:00

12:00 Lunchsnack

ID	Time	Applicants	Topic
	13:00 – 13:10	Jaegermann, Darmstadt Wachter, DFG Bonn	Welcome
1	13:10 – 13:30 2 projects	Jacob, Ulm Over, Gießen	Elementary Steps in the photocatalytic Water Splitting over TiO ₂ -based Model Electrode Systems
2	13:30 – 13:45 1 project	Klüner, Oldenburg	Quantum chemical and quantum dynamical studies of the photo-catalytic water splitting on titanium dioxide surfaces
3	13:45 – 14:10 3 projects	Jaegermann, Darmstadt Kaiser, Darmstadt Finger, Jülich Schäfer, Darmstadt	Photoelectrochemical water splitting using adapted silicon based semiconductor tandem structures
4	14:10 – 14:25 1 project	Berghoff, Aachen Knoch, Aachen	A monolithic all-silicon multi-junction photovoltaic electrolysis device for solar hydrogen production by direct water splitting
5	14:25 – 14:50 3 projects	Dau, Berlin Fiechter, Berlin Kurz, Kiel	Development of catalysts, namely manganese oxides and molybdenum-iron sulphides, for an implementation in a light-driven water-splitting device using a multi-junction solar cell
6	14:50 – 15:10 2 projects	Rossmisel, Lingby Strasser, Berlin Johnson, Berlin	Nanostructured mixed metal oxides for the electrocatalytic oxidation of water
7	15:10 – 15:35 3 projects	Fiechter, Berlin Ludwig, Bochum Schuhmann, Bochum	Nanostructured transition metal oxide electrodes for the light-induced water splitting - a combinatorial approach
8	15:35 – 15:55 2 projects	Bein, München Pentcheva, München Scheu, München	Nanostructured Hierarchical Oxide Photoelectrodes for Photoelectrochemical Water-Splitting
	15:55 – 16:25		Coffee break
9	16:25 – 16:55 4 projects	Behrens, Berlin Fischer, Berlin Lerch, Berlin Schedel-Niedrig, Berlin	Nanostructured Ta-oxide nitride and Chalcopyrite-based Thin Film Composites and Co-Catalysts for Visible Light-driven Overall Water Splitting
10	16:55 – 17:10 1 project	Schmuki, Erlangen	Photoelectrochemical water splitting based on aligned and doped nanotubes of Fe ₂ O ₃ and Ta ₃ N ₅

11	17:10 – 17:30 2 projects	Bahnmann, Hannover Wark, Bochum	Iron oxides with highly ordered mesoporosity for photoelectro-chemical oxygen formation from water
12	17:30 – 17:55 3 projects	Beller, LIKAT Rostock Brückner, LIKAT Rostock Brüser, INP Greifswald Lochbrunner, Rostock	Tuning the (magneto)optical properties of supported plasmonic metal catalysts towards high performance and stability in photo(electro)catalytic water splitting
13	17:55 – 18:15 2 projects	Heine, Bremen Mädler, Bremen	Enhanced water splitting activity through flame made heterojunctions of doped and functionalized mixed metal oxide nanoparticles predicted by combinatorial computational materials design
14	18:15 – 18:35 2 projects	Kortz, Bremen Vankova, Bremen	Highly Robust and Efficient Water Oxidation Catalysts based on Nanoscopic Metal Oxide Species (Polyoxometalates): from Fundamental Science to Devices
15	18:35 – 19:00	Jägermann, Darmstadt	International programs and competition
	19:15 – 20:30		Dinner
	20:30 – 22:00		Poster session

20th November 2012:

	07:00 – 08:30		Breakfast
	08:30 – 09:30		Organisational topics: coordination board, advisory board, organization of cooperation, time table and organization of SPP
	09:30 – 10:30		Discussion of cooperation within the main four project areas: Photoelectrochemical systems, Photocatalytic systems, Electrocatalytic systems, , Model systems
	10:30 – 11:00		Coffee break
	11:00 – 12:00		Cooperation beyond the main project areas
	12:00 – 13:00		Lunch

13:00 Departure