



Saint Petersburg
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Leibniz
Universität
Hannover

Russian-German Workshop
"Solar Fuel Generation"
November 28-30, 2016

Time	Monday 28 November 2016
09:30	<i>“Some Steps Towards the Commercialization of Photocatalysis”</i> Detlef Bahnemann, Leibniz Universität Hannover, Germany
10:10	<i>“Colloidal Nanocrystal Synthesis - Advanced Shape, Composition and Property Control”</i> Dirk Dorfs, Leibniz Universität Hannover, Germany
10:50	Coffee Break
11:20	<i>“Functional Macroscopic and Microscopic Materials from Tailored Colloidal Nanocrystal Building Units”</i> Nadja Bigall, Leibniz Universität Hannover, Germany
12:00	<i>“Luminescence Investigation of the New Sensor Material – PVA Films Doped by Erythrosine B Molecules”</i> Iuliia Rozhkova, Saint-Petersburg State University, Russia
12:30	<i>“New Insights into the Surface Plasmon Resonance (SPR) Effect in Photocatalysis of Au-TiO₂”</i> Jinlin Nie, Leibniz Universität Hannover, Germany
13:00	Lunch
14:30	<i>“One-step Direct Transformation of H₂O and CO₂ into Synthesis Gas by Solar-Thermal Splitting”</i> Jürgen Caro, Leibniz Universität Hannover, Germany
15:10	<i>“Effect of Light Intensity and Reactant Concentration on the Photocatalytic CO₂ Reduction with TiO₂ under Continuous Flow Conditions”</i> Martin Dilla, Max-Planck-Institut für Chemische Energie Konversion, Germany
15:40	<i>“Photocatalytic Oxidation of Low Molecular Weight Alcohols”</i> Johannes Melcher, Leibniz Universität Hannover, Germany
16:10	Coffee Break
16:40	<i>“Laser Flash Photolysis – A Nondestructive Method?”</i> Jenny Schneider, Leibniz Universität Hannover, Germany
17:10	<i>“Photoinduced Hydrophilic Behavior of Hydrated Surfaces of Composite Films based on TiO₂ and ZnO”</i> Anastasiia Grishina, Saint-Petersburg State University, Russia
17:40	End of the First day

Time	Tuesday 29 November 2016
09:00	<i>“Advantages of New Generation Photoactive Materials”</i> Alexei Emeline, Saint-Petersburg State University, Russia
09:40	<i>“Sc, V Doped and Co-Doped TiO₂: Photocatalytic Properties”</i> Petr Murzin, Saint-Petersburg State University, Russia
10:10	<i>“Photoactivity of Fluorine-Doped TiO₂”</i> Konstantin Nikitin, Saint-Petersburg State University, Russia
10:40	Coffee Break
11:10	<i>“Up-Conversion Materials”</i> Dmitrii Barinov, Saint-Petersburg State University, Russia
11:40	<i>“Synthesis, Characterization and Up-Conversion Properties of ZrO₂ Doped with Rare Earth Ions”</i> Ruslan Khabibrakhmanov, Saint-Petersburg State University, Russia
12:10	<i>“Up-Conversion Phenomenon in MOF's”</i> Dmitrii Zharovov, Saint-Petersburg State University, Russia
12:40	Lunch
14:10	<i>“Energy from Waste Water”</i> Ralf Dillert, Leibniz Universität Hannover, Germany
14:50	<i>“Zinc Ferrite: A Visible-Light Active Photocatalysts?”</i> Arsou Arimi, Leibniz Universität Hannover, Germany
15:20	<i>“Photocatalytically Active Adsorbants for Water Treatment”</i> Lena Megatiff, Leibniz Universität Hannover, Germany
16:00	Coffee Break
16:30	<i>“Photocathodes for Hydrogen Generation“</i> Luis Granone, Leibniz Universität Hannover, Germany
17:00	<i>“Photocatalytic and Photoelectrochemical Investigations of Titanium Dioxide Anatase, Brookite, and Rutile Single Crystal Substrates”</i> Carsten Günnemann, Leibniz Universität Hannover, Germany
17:30	End of the Second Day

Time	Wednesday 30 November 2016
09:10	<p align="center"><i>“Photocatalytic Aerobic Dehydrogenation of Nitrogen Heterocycles by Grafted TiO₂”</i> Nan Zheng, University of Arkansas, USA</p>
09:50	<p align="center"><i>“Design of Metal Oxide-Based Composites and Thin Films for Solar Energy Conversion Applications”</i> Antonio Patrocínio, Federal University of Uberlandia, Brazil</p>
10:30	<p align="center"><i>“Fe(III)/Cu(II) grafted WO₃-TiO₂ Composites as Photocatalysts with Improved Visible-Light Activity”</i> Narmina Balayeva, Leibniz Universität Hannover, Germany</p>
11:00	<p align="center">Coffee Break</p>
11:30	<p align="center"><i>“Ab Initio Insight Into O₂ Adsorption on TiO₂ Surface under Dark and UV Irradiation Conditions”</i> Mikhail Sboev, Saint-Petersburg State University, Russia</p>
12:00	<p align="center"><i>“ATR-FTIR Investigations on the Adsorption and Degradation of Acetaldehyde on TiO₂ Surface”</i> Stephanie Melchers, Leibniz Universität Hannover, Germany</p>
12:30	<p align="center"><i>“Mechanisms of Simultaneous Hydrogen Production and Formaldehyde Oxidation in H₂O and D₂O over Platinized TiO₂”</i> Hamza Belhadj, Leibniz Universität Hannover, Germany</p>
13:00	<p align="center">Lunch</p>
14:30	<p align="center"><i>“Tailoring Titanium Dioxide Nanoparticles for Photocatalysis”</i> Armin Feldhoff, Leibniz Universität Hannover, Germany</p>
15:10	<p align="center"><i>“Excitonic Quasiparticles in TiO₂ and Their Role in Photocatalysis”</i> Adriel Dominguez, Universität Bremen, Germany</p>
16:00	<p align="center">Coffee Break</p>
16:20	<p align="center">Get Together</p>
17:00	<p align="center">End of the Third Day</p>