

2015 CENIDE-CNMM-TIMS Joint Symposium on Nanoscience and -technology

Program

Venue:

University of Duisburg-Essen, NETZ 2.42, Campus Duisburg, Carl-Benz-Str. 199, 47057 Duisburg

Monday, March 16, 2015

- 13:00–13:05 *Welcome*
Prof. Dr. Christof Schulz, Scientific Director CENIDE, UDE
- 13:05–13:15 *Welcome*
Prof. Dr. Ute Klammer, Vice-Rector for Diversity Management and International Affairs, UDE
- Chair: Prof. Dr. Christof Schulz, Scientific Director CENIDE, UDE
- 13:15–13:45 *Catalytic Activation of CO₂ and Methanol Synthesis*
Prof. Dr. Junji Nakamura, Materials Science, Director TIMS, Tsukuba
- 13:45–14:15 *Ligand-Free Metal Nanoparticles by Laser Ablation and its Processing to Heterogeneous Catalysts*
Dr. Philipp Wagener and Prof. Dr. Stephan Barcikowski,
Technical Chemistry I, CENIDE, UDE
- 14:15–14:45 *π -Conjugated Polymer Spheres as Fluorescent Microresonators*
Prof. Dr. Yohei Yamamoto, Materials Science, TIMS, Tsukuba
- 14:45–15:15 *Whispering Gallery Modes in Copolymer Microspheres*
Daniel Braam, Experimental Physics, CENIDE, UDE
- 15:15–16:15 Poster Session and Coffee Break

Chair: Prof. Dr. Junji Nakamura, Director TIMS, Tsukuba

- 16:15–16:45 *Strain-Engineered Electron Transport in Graphene*
Prof. Dr. Akinobu Kanda, Physics, TIMS, Tsukuba
- 16:45–17:15 *How Ions Make an Impact on Graphene*
Prof. Dr. Marika Schleberger, Experimental Physics, CENIDE, UDE
- 17:15–17:45 *Synthesis of Phosphorus-Containing Host Molecules for Facile Separation and Functionalization of Curved Carbon Materials*
Prof. Dr. Masaki Yamamura and Prof. Dr. Tatsuya Nabeshima, Chemistry, TIMS, Tsukuba
- 17:45–18:00 Open Discussion
- 18:30 Reception

Tuesday, March 17, 2015

Chair: Prof. Dr. Stephan Barcikowski, Deputy Scientific Director CENIDE, UDE

- 09:30–10:00 *Plasmonics for Engineering of Nanoscale Light-matter Interaction*
Prof. Dr. Jer-Shing Huang, Chemistry, CNMM, NTHU
- 10:00–10:30 *High Na-Ion Diffusion Constant in Transition Metal Layered Oxides*
Prof. Dr. Yutaka Moritomo, Physics, TIMS, Tsukuba
- 10:30–11:00 *Stimuli-responsive Porous Polymeric and Nanohybrid Membranes*
Prof. Dr. Mathias Ulbricht, Technical Chemistry II, CENIDE, UDE
- 11:00–11:30 Coffee Break

Chair: Prof. Dr. Jer-Shing Huang, Chemistry, CNMM, NTHU

- 11:30–12:00 *Structural Studies of Functional Materials Using Synchrotron X-Ray Diffraction*
Prof. Dr. Eiji Nishibori, Physics, TIMS, Tsukuba
- 12:00–12:30 *Catalytic Water Splitting: MnO_x-based Co-catalysts for the Oxygen Evolution Reaction*
Prof. Dr. Malte Behrens, Inorganic Chemistry, CENIDE, UDE

(subject to change)