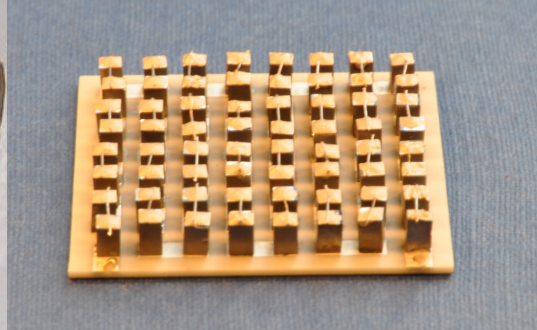




Winterschool

Nanomaterials for Energy Applications

Nanomaterials for Batteries, Fuel Cells, Catalysis,
Solar Cells and Thermoelectrics

7.-9.12.2011

Venue:
Mercatorhalle im CityPalais
Landfermannstr. 6
47051 Duisburg

Program Winterschool

Nanomaterials for Energy Applications 7.-9.12.2011 City Palais Duisburg
Nanomaterials for Batteries, Fuel Cells, Catalysis, Solar Cells and Thermoelectrics



Wednesday, 7.12.2011

- 09:00 Registration
- 10:00 Welcome
- 10:30 Joachim Maier (MPI Stuttgart): Nanoionics: Ion Transport and Electrochemical Storage in Nanomaterials (chair: Christof Schulz)
- 12:00 Lunch Break + Conference Photo
- 13:00 Paul Heitjans (U Hannover): Ion dynamics in Nanomaterials (chair: Dietrich Wolf)
- 14:30 Coffee Break
- 15:00 Shriram Ramanathan (Harvard): SOFC (chair: Angelika Heinzel)
- 16:30 Coffee Break
- 17:00 Jeppe Lauritsen (Aarhus U): Scanning probe microscopy studies of nanocatalysts (chair: Wolfgang Martin)

Thursday, 8.12.2011

- 08:30 Michael Wasielewski (Northwestern U): Powering the Future: Molecules and Materials for Capturing and Storing Solar Energy (chair: Gerd Bacher)
- 10:00 Coffee Break
- 10:30 Jason Baxter (Drexel U): Nanostructured Solar Cells (chair: Roland Schmechel)
- 12:00 Lunch Break + Conference Photo
- 13:00 Mercouri Kanatzidis (Northwestern U): Nanostructured Thermoelectrics (chair: Gabi Schierning)
- 14:30 Coffee Break
- 15:00 Jeff Snyder (California Institute of Technology): Solid State Physics of Thermoelectric materials (chair: Gabi Schierning)
- 16:30 Transfer to Essen
- 17:00 Excursion: Zeche Zollverein Essen
- 19:00 Conference Dinner (free for invited speakers)

Friday, 9.12.2011

- 08:30 Thomas Bergunde (Azur Space): Multijunction compound semiconductor solar cells – application, concept, manufacturing and perspectives (chair: Werner Prost)
- 10:00 Coffee Break
- 10:30 Peter Krüger (Bayer Materials Science): C-Nanotubes (chair: Hartmut Wiggers)
- 12:00 Lunch Break + Conference Photo
- 13:00 Günther Scherer (PSI Villigen): PEMFC (chair: Angelika Heinzel)
- 14:30 Coffee Break
- 15:30 Robert Schlögl (FHI Berlin): Nanomaterials in Catalysis (chair: Markus Winterer)
- 17:00 Concluding Remarks
- 17:30 Informal Labtours
- 18:30 Informal Dinner