

Symposium "Material Synthesis in Ionic liquids and Interfacial Processes"



Symposium Outcome:

The DFG SPP 1708 symposium on “*Materials Synthesis in Ionic Liquid and Interfacial Processes*” (SMSILIP) was held in Goslar between **13/04/2016** and **15/04/2016**. The local organizers could attract internationally renowned scientists in the fields of material synthesis, interfacial processes and theoretical studies in ionic liquids.

Prof. Dr. Markus Antonietti (Director, Max Planck Institute of Colloids and Interfaces, Potsdam), Prof. Dr. Christoph Janiak (Department of Bioinorganic Chemistry, Heinrich Heine University, Düsseldorf), Prof. Dr. Frank Endres (Institute of Electrochemistry, Clausthal University of Technology, Clausthal-Zellerfeld), Asst.-Prof. Dr. Christian Schröder (Department of Computational Biological Chemistry, University of Vienna, Vienna) and Dr. Florian Maier (Department of Chemistry and Pharmacy, Friedrich-Alexander-University Erlangen-Nuremberg) were invited speakers for the symposium.

Also speakers from Australia, Austria, Belgium, Estonia and France were present in the symposium. In total, 71 participants attended the symposium. The opportunity for oral talks was given to young researchers, especially PhD students. 24 posters were presented during the meeting.

The major focus of the symposium presented by the invited speakers was on material synthesis in ionic liquids and the role of solid/liquid interface for the synthesis. Prof. Markus Antonietti presented work on development of functional nanoparticles with defined crystallography as well as in the development of polymers in ionic liquids. Prof. Christoph Janiak showed the synthesis of semiconductors and metal nanoparticles in ionic liquids by sol-gel and microwave reduction techniques. Theoretical studies in ionic liquids were shown by Prof. Christian Schröder and the interfacial studies were presented by Dr. Florian Maier. Prof. Frank Endres gave an overview of electrochemistry in ionic liquids and how the interface plays an important role in developing functional materials.

In conclusion, the overall symposium gave a good platform to share the research results with intensive scientific discussions for the participants both in form of oral presentations and posters. The symposium also gave an outlook for future prospects of ionic liquids for material synthesis near room temperature.

Symposium Organizers

Dr. Natalia Borisenko and Dr. Abhishek Lahiri