



PhD Student or Postdoc Position Model Catalysis, Surface Science, Ionic Liquids

Applications are invited for a PhD student position and/or for a postdoctoral researcher position in surface science, model catalysis, and ionic liquids at the University Erlangen-Nuremberg (Physical Chemistry II, Prof. Jörg Libuda).

Using advanced surface science methods, molecular beam techniques, reactor studies, in-situ and operando spectroscopy, the group studies the mechanisms and kinetics of chemical reactions at surfaces and interfaces. We aim at understanding processes in heterogeneous catalysis, nanotechnology, and energy technology at the molecular level. Our research bridges fundamental and applied research by advanced spectroscopy from ultrahigh-vacuum to realistic conditions.

The present project aims at acquiring a molecular level understanding of heterogeneous catalysts modified by ultrathin ionic liquid layers. It is embedded into an interdisciplinary cooperation, involving partners from science, engineering, and chemical industry.

The Friedrich-Alexander-University Erlangen-Nuremberg is among the top-ranked Universities in chemistry research in Germany. A unique environment in terms of cutting-edge research is provided by the Cluster of Excellence "Engineering of Advanced Materials". We offer leading-edge projects, state-of-the-art equipment and excellent working conditions.

We expect flexibility and commitment, but also communication skills and the capability to work in a team.

For PhD applications, a diploma or master degree in chemistry, physics, chemical engineering, or materials science is required. Experience in surface science, heterogeneous catalysis, or with ionic liquids is not mandatory.

For postdoctoral researchers experience in ultrahigh vacuum technology / surface science is mandatory.

The university promotes gender equality and aims at increasing the fraction of women in science. Therefore female scientists are invited to apply. Handicapped persons are preferred if equally qualified. Please send your CV / list of publication / references / summary of research activities to:

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(Posted: October 2013)

