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Alexander von Humboldt
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Ph.D. Position (f/m) in Theoretical Physics of Energy Materials

Our research group on Theory of Functional Energy Materials was recently launched at the Department of Physics, TU Munich. The group is led by Prof. David Egger and supported via a prestigious Sofja Kovalevskaja award of the Humboldt Foundation – see www.theoFEM.de for more information.

Currently, we seek one Ph.D. student for exciting theoretical and computational research on energy materials. Projects of interest are focused on theoretical method development as well as numerical implementation in the context of quantum dynamics and electron-phonon coupling for solar materials and semiconductors. We are a team of young scientists and offer exciting Ph.D. research in an internationally leading environment, including the opportunity of collaborations with experimental partners.

We are looking for motivated students with strong interests in pursuing research on theory of materials, who are excellent team players and have an M.Sc. degree in physics. First experiences with electronic structure techniques are an asset, computer and programming skills (Fortran, python, C, etc.) as well as a high proficiency in English are a must.

To apply, please send your curriculum vitae, a transcript of your M.Sc. degree, and a brief statement that explains your motivation for pursuing a Ph.D. (all in English) to Prof. David Egger by email:

david.egger@tum.de