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

Our research group on **Theory of Functional Energy Materials** is based at the Department of Physics, TU Munich (TUM) – see our website www.theoFEM.de for more information.

Our group's focus is on **dynamic phenomena in materials** that we tackle using cutting-edge **theoretical and computational techniques** with the goal to predict their **finite-temperature properties**. We are a young and dynamic team working on a wide range of energy materials that are potentially highly useful for **renewable energy applications** such as photovoltaics, batteries, and solar fuels. Our group has many international collaborations and is embedded in the **e-conversion excellence cluster and TUM.solar consortium at TUM**, which are networks of leading groups working on fundamental processes and materials design for energy applications. TUM has continuously been rated as one of the **top universities in Germany** and one of the **best universities for studying physics in Europe**. Munich is among the cities with the **highest quality of living worldwide** and the **vibrant Garching campus** hosts several renowned research institutions and a lively start-up scene.

We are looking for highly motivated students with very strong interests in pursuing **theoretical research on theory of materials**, who are excellent **team players** and have an **M.Sc. degree in physics or chemistry**. Experience with **electronic-structure or quantum-chemistry techniques, 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