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