



Open PhD positions available

Two **PhD positions** are available
in the project capDFT
in the Statistical Physics of Soft Matter
and Complex Systems group
at the Institute of Physics
at the University of Freiburg (Freiburg, Germany)

The **project capDFT** aims to improve our knowledge of the structure and properties of electrolytes and electric double layers (EDLs) in order to answer fundamental questions in the field. In this project, successful candidates will provide the theoretical basics to develop and improve related capacitive technologies for a sustainable future treatment of water and the production and storage of energy.

In particular, successful candidates will work on a new microscopic theory for ionic fluids in external fields in the framework of classical density functional theory. They will apply this theory to the present questions on in-plane structure and dielectric screening in EDLs, concentrated electrolytes, and ionic fluids.

Successful candidates hold a Master degree in physics or equivalent. They will closely collaborate with the members of the Statistical Physics of Soft Matter and Complex Systems group and with international experts in the field. Both open positions are fully funded via the project by the German research foundation.

Please send your **application** to Dr. Andreas Härtel
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