



With more than 6,300 employees in research, teaching and administration and its unique profile, TU Dortmund University shapes prospects for the future: The cooperation between engineering and natural sciences as well as social and cultural studies promotes both technological innovations and progress in knowledge and methodology. And it is not only the more than 32,500 students who benefit from that.

Postdoctoral Position (m/f/d, E13 TV-L)

The condensed matter theory at the at TU Dortmund University, Germany invites applications for a full time Post-doc position in the group of Prof. Dr. Frithjof Anders. The focus of this position is the theoretical modelling of “non-equilibrium charge and heat transport in driven molecular junctions” as part of DFG funded research project and is limited to two years. The position will start January 2025 or at the earliest possible date. Payment according to public service’s wage agreement TV-L E13. An employment in or a reduction to part-time is generally possible.

YOUR TASKS:

- Applying numerical renormalization group methods for open quantum systems to steady state and driven non-equilibrium problems in nano-devices.

WHAT WE OFFER:

- You will be embedded in a high profile research environment.
- You will benefit from lots of interaction opportunities with several groups within the condensed matter theory.
- You are provided with funding for visiting international conferences.
- You will benefit from personal development opportunities by a broad spectrum of transferable skills offered with the condensed matter theory.

YOUR PROFILE:

- Excellent doctorate in the field of condensed matter theory.
- knowledge of the numerical renormalization group approach.
- solid C++ skills and experience in numerical simulation of many-body problems.
- very good knowledge of English.

The TU Dortmund University promotes diversity and equal opportunities. Convince us with your personality and expertise.

Applications from women will be given preferential treatment in accordance with the legal regulations.

It is pointed out that the application of suitable severely disabled persons is desired.

Complete applications including a CV, a publication list, and a list of potential people who are prepared to provide a letter of recommendation using the Reference number w58-24 should be sent to (Application deadline 04.12.2024):

Technische Universität Dortmund
Fakultät Physik
Prof Dr. Frithjof Anders
Otto-Hahn-Str. 4
44227 Dortmund
frithjof.anders@tu-dortmund.de