



The **Institute for Energy Technology and Energy Economics** in the Smart Grids Research Group at Ulm University of Applied Sciences has the following part-time position (80 %) available as soon as possible:

**Research Assistant (m/f/d)**  
for simulation of decentralised energy systems

As part of the **GetMyWallboxNow** research project, you will work on a digital platform for overcoming the presented challenges of switching to e-mobility in individual transport with interaction with citizens. The research project takes place in close coordination with Stadtwerke Ulm (SWU) and the staff of the Smart Grids Research Group at THU.

The **area of responsibility** includes in particular:

- Collaboration in the processing of the large amount of network data available through SWU
- Development of solutions for the simulation of a connection of a charging point in the electricity grid and automated testing of the grid impact of this connection
- Analysis of the plausibility of charging management systems for grid relief
- Cooperation with SWU in the development of the platform
- Connection of the developed processes with the platform
- Monitoring the operation of the platform
- Communication with citizens (information events, presentation of results, etc.)
- The preparation of technical articles, conference papers and research proposals in a team with other members of the research group and the collaborative partners
- Preparation of the project reports

The **job** requires:

- An above-average university degree (Diplom (Uni) / Master) in the field of energy technology, electrical engineering, energy informatics, or similar.
- Knowledge of technical issues related to electrical grids
- Knowledge of programming (e.g. in Python)
- Knowledge of grid calculation in PowerFactory or Sincal is an advantage
- Interest in working on current issues in an interdisciplinary scientific team to actively shape the energy transition
- Skills to guide student assistants.
- Good German & English skills

The employment relationship is limited in time. Remuneration is paid according to your qualifications in accordance with TV-L in EG 13.

Ulm University of Applied Sciences actively promotes equal opportunities for all employees. Severely disabled people are given preference in the case of equal suitability.

Do you have any questions? Please don't hesitate to contact us: [Jennifer.weiher@thu.de](mailto:Jennifer.weiher@thu.de)

Are you interested? Then we look forward to receiving your application by 23.04.2023 via our application portal (ID no.: 16-2023)

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