

We are looking for a new member for our team with immediate effect.

Student Research Assistant (m/f/d)

for battery field data analysis and machine learning application deployment

About us

Join us in the innovative KI-M-Bat research project, where we focus on optimizing the operation of modular second-life battery storage systems for grid applications. As part of the TUM-EES team, you will contribute to developing and deploying battery digital twins capable of learning from real-world field data.

Tasks

- Conduct data analysis of real second-life battery systems.
- Assist in the development of data-driven models that monitor critical battery parameters.
- Help in the deployment and integration of data-driven battery models in field applications.

Requirements

- Strong understanding of battery modeling principles and practices.
- Proficient programming skills in Python and/or Julia.
- Familiarity with IIoT application deployment, including tools such as Docker, InfluxDB, and MQTT.
- Experience with machine learning techniques and knowledge of MLOps practices for deploying machine learning applications is advantageous.

We offer

- Remuneration according to the tariff regulation
- Flexible working hours up to 20 hours per week.
- Temporary employment contract until 30 June 2025, with an option to extend.
- Collaboration in a committed and young team in a scientific environment.

Application

We look forward to receiving your comprehensive application. Please send it by e-mail to:
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