UNIVERSITÄT BAYREUTH

LEHRSTUHL FÜR TECHNISCHE THERMODYNAMIK UND TRANSPORTPROZESSE
PROF. DR.-ING. D. BRÜGGEMANN

Student Assistant Position (m/w/d) – Hydrogen Energy Systems

At the LTTT we focus on advancing innovative energy technologies for sustainable systems. One of our current projects, “Design and Optimization of Hybrid Hydrogen-Battery Energy Systems for Community Microgrids”, in collaboration with our Australian research partners, explores the integration of fuel cells, electrolyzers, and battery storage systems into community microgrids to analyze the optimized integration of hydrogen into regional energy systems. Our work encompasses developing advanced system models, conducting performance analyses, and fostering knowledge exchange through workshops and similar events.

To assist in our activities, we are looking for a motivated student assistant (m/f/d) for a limited period of 3–6 months with flexible working hours. This is an excellent opportunity to gain practical insights into cutting-edge hydrogen technology research while supporting meaningful activities.

Tasks:

- Assisting in the preparation and organization of the workshop "Integration of Hydrogen Technologies in Regional Energy Systems".
- Conducting literature study on hydrogen storage and utilization systems.
- Supporting further related research tasks.

Requirements:

- Interest in hydrogen technologies and sustainable energy systems.
- Strong organizational skills and ability to work independently.
- Good written and spoken English skills.
- Basic knowledge of energy systems or hydrogen technologies is beneficial but not mandatory.

If you are interested, please feel free to contact us using the information below. We look forward to hearing from you.

Contact:

Dr.-Ing. Matthias Welzl
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