

HiWi (Student Assistant) Position (8-12 h/week)

Assistance in the Field of Methanation and Reforming

Contents:

Future carbon neutral mobility requires liquid energy carriers. Chemical catalytic raw methanation of syngas from biomass can play a crucial role in achieving carbon neutral transport. However, tars and other problematic substances are created during thermochemical gasification of biomass, which require costly gas cleaning. The chair of Energy Process Engineering is researching a new process, which allows tar reforming to occur at the same time as methanation, greatly reducing process complexity.

This position is part of the EU Horizon Europe research project CarbonNeutralLNG, which is aiming to provide carbon neutral transport fuel for future mobility and as an energy storage option.

Possible Tasks:

- Assistance in the construction and installation of test facilities
- Assistance in necessary preparations for Experiments
- Conducting Experiments
- Evaluation of measurements
- General tasks around the chair of energy processing

Prerequisites:

- Interest in theoretic and practical work
- Creativity, personal initiative and an independent way of working

We offer:

- Interesting and diverse tasks as well as the opportunity to learn about experimental work
- Friendly work environment

Start of work: from February 2023



Contact:

Jakob Müller, M.Sc.

Telephone: +49 911 5302 9381

E-Mail: jakob.mueller@fau.de

