Technische Universität München

Lehrstuhl für Energiesysteme
TUM School of Engineering and Design
Prof. Dr.-Ing. Hartmut Spliethoff
www.epe.ed.tum.de/es

The Chair of Energy Systems seeks to fill **a fulltime position** at the earliest possible date as a

Research Associate / PhD student (m/f/d) in the field of experimental & numerical research on reversible high-temperature heat pump technologies for medium & deep geothermal energy

Your tasks: You will investigate and optimise two of our reversible high-temperature heat pump systems. During the last months, our research group has constructed two novel test rigs: A reversible compression high-temperature heat pump / Organic Rankine Cycles & a reversible absorption heat pump, which can also be operated as an absorption chiller.
Together with your colleagues you will carry out extensive experimental campaigns at both test rigs. Your main scope will be to further develop the novel absorption heat pump test rig with a special focus on its operation as an absorption heat transformer. As part of national and international projects, you will work closely with partners from academia and industry. The results of your work will be published at scientific conferences and in journals.

Your profile: You have an above-average university degree in mechanical or process engineering. **You already have some practical experience in plant design and/or operation**. You stand out for your high-quality standards and independent, solution-orientated way of working and have in-depth knowledge of thermodynamics, plant engineering and control engineering. Do flexibility, creativity and a passion for energy technology round off your profile? Then apply for a job with us!

We offer you an interesting and challenging job with a high degree of personal responsibility and creative possibilities. The salary of the position is classified according to TV-L E13. It is a full-time position, which is planned for four years. The possibility of a PhD is given and highly encouraged. Disabled persons with similar qualifications will be given preference in the recruitment process. The university aims at increasing the share of female employees. Applications from qualified women are therefore explicitly welcomed. You can expect a team of roughly 40 scientists researching a broad range of topics on the latest technologies for a reliable and sustainable future energy supply.

Interested?
Then we look forward receiving your comprehensive application documents by e-mail by the end of February addressed to:

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