Graz University of Technology is the longest-established university of technology in Austria. Here, successful teams of students, talented up-and-coming scientists, ambitious researchers and a lively start-up scene enjoy an inspirational environment as well as access to top-quality equipment. And all this in one of the most innovative and livable regions in Europe. TU Graz offers an inspiring working environment with outstanding infrastructure and service-oriented university management.

The **Institute of Software Technology** at Graz University of Technology has an opening for a

PhD Position (m/f/d) in the field of Computational methods for Smart Energy Systems

for an initial fixed-term of 3 years, in full employment, starting presumably on October/November 1st, 2021.

Duties and Responsibilities:
The researcher will work on computational methods for smart energy systems. The research topics include (i) physical informed Machine Learning and hybrid co-simulation (connection of physical and machine learning models) for different energy services such as model pre-dictive control, (ii) development and real-world application of different energy services, and (iii) integration of energy services in IoT frameworks for smart buildings and cities.

Required Skills and Qualifications:
- Completed master's or diploma studies in computer science, engineering, applied mathematics, physics, informatics, or an equivalent degree
- Domain knowledge or strong interest in: Budlings, Smart Energy Systems, …
- Experience in machine learning, deep learning, optimization.
- Experience in programming languages e.g., Python, Tensorflow, Pytorch.
- Experience in control theory is a plus.
- Excellent written and oral communication skills.
- Flexibilty, ability to work independtly as well as in a sceintific team are important.

We offer:
- Access to state-of-the-art latest technologies and computing infrastructure
- Exciting opportunities for professional and personal development
- Excellent work-life balance (flexible working schedule)
- Interesting area of responsibility
- University's sports program
- Workplace Health Management
- Award for being the most family-friendly enterprise in Styria 2018
- Wide range of food on campus
- Shopping Discounts

We offer a minimum annual gross salary based on full-time of € 41,601.--, overpayment possible depending on qualification and experience. Graz University of Technology actively promotes diversity and equal opportunities. People with disabilities and who have the relevant qualifications are expressly invited to apply.

Applications with relevant documents should be submitted, preferably by email, to gerald.schweiger@tugraz.at.

Contact
Graz University of Technology
Institute of Software Technology
Gerald Schweiger
Inffeldgasse 16b/II, 8010 Graz

http://www.ist.tugraz.at/

Information on the data processing of your application can be found at www.tugraz.at/go/datenschutzinformation-pa.