



Technische Universität Berlin offers an open position:

## Research Assistant - salary grade E13 TV-L Berliner Hochschulen

under the reserve that funds are granted - part-time employment may be possible

### Faculty III - Institute of Energy Engineering / Building Energy Systems

**Reference number:** III-589/20 (starting at 01/12/20 / until 31/01/22 / closing date for applications 20/10/20)

**Working field:** Collaboration in the research project FlexEhome (The grid-supported solar house with full thermal and electrical supply). Within the project, a single-family house is to be developed, constructed and measured in the sense of a flagship project, which can independently cover its needs for electricity, heating and service water heating at any time of the year from locally generated renewable energy. These goals concern the home energy supply solution itself, but also the building envelope as well as an intelligent energy management, which is necessary to make the flexibility potential accessible on the grid side. PhD thesis preparation is possible.

#### Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) preferably in the field of building engineering or similar
- Advanced knowledge in the field of the thermal building simulation, building energy systems and monitoring
- Good programming skills (ideally Python)
- Good knowledge in the field of automation
- Good knowledge in the field of data acquisition and analysis
- Knowledge in building energy system simulations, especially Modelica/Dymola
- Very good PC knowledge (hardware and software)
- Team and organizational skills
- Very good knowledge of German, both spoken and written; willingness to learn the language skills that are missing

#### Desirable:

- Flexibility; interest in new challenges
- Good knowledge of English; willingness to learn the language skills that are missing

More information can be obtained from Prof. Dr. Martin Kriegel (+49 (0)30 314-24170, [kontakt@hri.tu-berlin.de](mailto:kontakt@hri.tu-berlin.de)).

Please send your application with the **reference number** and the usual documents (combined in a single pdf file, max. 5 MB) **by email to Prof. Dr. Martin Kriegel ([kontakt@hri.tu-berlin.de](mailto:kontakt@hri.tu-berlin.de))**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: [https://www.abt2-t.tu-berlin.de/menue/themen\\_a\\_z/datenschutzerklaerung/](https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/) or quick access 214041.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities.

Technische Universität Berlin - Der Präsident - Fakultät III, Institut für Energietechnik, FG Gebäudeenergiesysteme, Prof. Dr. Martin Kriegel, Sekr. HL 45, Marchstr. 4, 10587 Berlin

The vacancy is also available on the internet at <http://www.personalabteilung.tu-berlin.de/menue/jobs/>

