Technische Universität Berlin offers an open position:

**Research Assistant - salary grade E 13 TV-L Berliner Hochschulen**
under the reserve that funds are granted - part-time employment may be possible

**Einstein Center Digital Future**

**Reference number:** ECDF-68/20 (starting at 01/04/20 / limited until 31.03.2023 / closing date for applications 25/02/20)

**Working field:** This is primarily a scientific position in the chair of Internet of Things for Smart Buildings. In particular, this includes working on a research project of the German Research Foundation (DFG) on optimization-based approaches to control engineering. Independent research work is to be carried out in the fields of robust model predictive control, machine learning, numerical optimization, system identification and related areas. This research work includes the development of new theoretical approaches as well as their implementation and publication in scientific publications. The position includes the option to prepare a PhD thesis in the mentioned research areas.

**Requirements:**
- Successfully completed university degree (Master or equivalent) in Engineering with a focus on automation, control, numerical optimization or related areas.
- Experience in at least one of the research areas: model predictive control, numerical optimization, machine learning.
- Experience in modeling and simulation of building systems.
- Good programming skills and experience in developing simulation studies with Python.

**Additional Requirements:**
- Passion for new technologies and development of open source code.
- Excellent organizational and communication skills.
- Very good written and oral language skills in English (at least C1) and German (at least B2).
- Willingness to conduct interdisciplinary research.

Please send your application with the reference number and the usual documents preferably by email to sergio.lucia@tu-berlin.de or in writing to Technische Universität Berlin - Der Präsident - Fakultät IV, Institut für Telekommunikationssysteme, Internet of Things for Smart Buildings, Prof. Dr. Sergio Lucia, Sekr. EN 17, Einsteinufer 17, 10587 Berlin.

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.

Please send copies only. Original documents will not be returned.

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