Technische Universität Berlin offers an open position:

**Research assistant - salary grade E13 TV-L Berliner Hochschulen - 1st qualification period (PhD candidate)**  
part-time employment may be possible

**Faculty V - Institute of Aeronautics and Astronautics / Chair of Aero Engines**  
**Reference number:** V-79/20 (starting at the earliest possible / for max. 5 years / closing date for applications 28/02/20)

**Working field:**
- Planning and implementation of holistic system simulations for flight propulsion and power generation based on gas turbines in cooperation with industry partners and research organisations.
- Definition and development of required modules to support performance assessments of propulsion systems including hybrid-electric approaches and alternative fuels.
- Derivation of design rules for improvement of transient and part-load operation of single- and multiple-shaft engines.
- Support of teaching and education in the area of aero engines and turbo machinery.

**Requirements:**
- Successfully completed university degree of mechanical engineering (Diplom, Master or equivalent) with superior results.
- Clear focus on steady-state performance and operation of gas turbines and their modules.
- Knowledge of process and controls theory is advantageous.
- Experience in teaching is advantageous.
- Strong team orientation and sufficient language proficiency to teach classes in both German and English is expected.

Please send your **written** application with the **reference number** and the usual documents to Technische Universität Berlin - Der Präsident - **Fakultät V, Institut für Luft- und Raumfahrt, Prof. Dr. Peitsch, Sekr. F1, Marchstraße 12-14, 10587 Berlin** or by e-mail to astrid.stollfuss@tu-berlin.de.

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/](http://www.personalabteilung.tu-berlin.de/menue/jobs/)