Technische Universität Berlin offers an open position:

**Research assistant - salary grade E13 TV-L Berliner Hochschulen**

part-time employment may be possible

**Faculty V - Institute of Aeronautics and Astronautics / Chair of Aero Engines**

Reference number: V-51/20 (starting at the earliest possible / for 36 months / closing date for applications 28/02/20)

**Working field:**
- Participation in a research project investigating the interaction of unsteady flow phenomena in axial compressors
- Planning, set-up and execution of experimental investigations of unsteady flow phenomena in compressors
- Application of different flow measurement techniques with high temporal resolution, e.g. piezoresistive pressure transducers and hot-wire anemometry
- Analysis of the measurement results to identify the mutual interaction between stall cells and structures of Rotating Instabilities in close cooperation with the numerical project partner

**Requirements:**
- Successfully completed scientific degree (Diplom, Master or equivalent) in a relevant field; outstanding degree desired
- Focus on fluid mechanics and especially turbomachinery aerodynamics
- Profound knowledge of different measurements techniques and experience in carrying out experimental investigations.
- Knowledge about the challenges of highly loaded compressors at different operating conditions desired
- Ability for teamwork as well as good German and English language skills are required

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/