Technische Universität Berlin offers an open position:

**Research Assistant - 0.8 working time - salary grade E13 TV-L Berliner Hochschulen**

**Faculty V - Institute of Aeronautics and Astronautics / Aircraft Design and Aerostructures**

**Reference number:** V-248/20 (starting at 01/06/20 / until 31/01/22 / closing date for applications 08/05/20)

**Working field:**
- Self-reliant scientific processing, preparation, implementation, documentation and completion of third-party funded research project in the field of additive manufactured plastic structures
- Planning, implementation and evaluation of static and dynamic component tests
- Construction of test setups for static and dynamic testing components
- Numerical analysis of additive manufactured plastic structures (lightweight constructions)
- Development of CAD-Models
- Planning, implementation and evaluation of standardized material tests
- Administrative support (finances, human resources, project management) of third-party funded research project

**Requirements:**
- Successfully completed university degree (Master, Diplom or equivalent) in the field of Aeronautics and Astronautics with focus on lightweight construction, in the field of Mechanical Engineering with focus on lightweight construction or Material science with focus on design of plastic materials
- In-depth knowledge of lightweight or additive manufactured plastic constructions (e.g. degree thesis, successfully completed lectures, work experience etc.)
- Experiences of fatigue life layout of lightweight structures
- Planning and analysis of dynamic component tests
- Detailed knowledge in the production of polymers or fibre-reinforced structures
- Practical experiences in setting up standardized material and component tests
- Detailed knowledge in CAD (e.g. CATIA, SolidEdge)
- Working experiences in numerical methods for design and optimization of composite and sandwich structures or additive manufactured plastic structures
- German language level C1

**Desired competences:**
- Experiences in technical performance and documentation of collaborative projects (presentation, academic publication)
- Project management skills
- English language level B1

Please send your application with the **reference number** and the usual documents to Dr. Marc Prewitz and Anke Heymann (marc.prewitz@tu-berlin.de, anke.heymann@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/)