



The elenia Institute for High Voltage Technology and Power Systems at the Technische Universität Braunschweig has a vacancy for the position of

**Research Assistant (m/f/x)  
in the research area „DC-Systems“  
– Salary Group 13 TV-L –**

The position is initially limited to three years. This is a full-time position with a payment according to TV-L 13.

**What can you expect?**

You have the possibility to participate in our research to enable the transition of aviation towards a complete electrified future. Your field of research at our institute includes the system design of on-board power supply systems and their protection concepts for electrified aircraft. Beside the supervising professor, you will have the support for discussing your research questions of the experienced co-workers; especially in your corresponding team “DC Systems and Circuit Breakers”. In your project, you are a member of a research consortium within in a BMWK-funded project with leading industry partner for aviation.

Your responsibilities include the implementation of practical, interdisciplinary research projects and collaboration in teaching. The advertised position includes a PhD opportunity.

**What requirements should you bring with you?**

- A university degree in electrical engineering or comparable scientific and technical studies is mandatory for employment as a research assistant
- Basic knowledge in design, calculation, analysis and protection of DC on-board power systems
- Independent working style and willingness to acquire new knowledge
- Safe and responsible handling of electrical laboratory equipment
- Modelling basics as well as the handling of either MATLAB or LabVIEW
- Preferable basics in system design by means of Model Based Systems Engineering
- Motivation for active cooperation with partners in interdisciplinary research projects
- Willingness for communication and knowledge sharing in the team
- Good knowledge English (min. C1), written and spoken. Willingness to learn German

Depending on the assignment of tasks and fulfilment of personal requirements, the salary will be up to EG 13 TV-L.

The position is basically suitable for part-time work, but should be filled 100 percent of the time.

For more information, please contact:

Mr. Frederik Anspach: [f.anspach@tu-braunschweig.de](mailto:f.anspach@tu-braunschweig.de)

Severely disabled persons will be given preference in the case of equal suitability. Proof must be enclosed. Applications from people of all nationalities are welcome.

The TU Braunschweig strives in all areas and positions to reduce underrepresentation in the sense of the NGG. Therefore, applications from women are especially welcome.

Application costs cannot be reimbursed. Please understand that applications that are not considered can only be returned against a self-addressed and stamped envelope.

Personal data will be stored for the purposes of the application process.

Please send your written application with the usual documents and your desired employment date by e-mail to [elenia@tu-braunschweig.de](mailto:elenia@tu-braunschweig.de) or by letter to: Geschäftsstelle (attn: F. Anspach), Technische Universität Braunschweig, elenia Institute for High Voltage Technology and Energy Systems, Schleinitzstr. 23, 38106 Braunschweig.

Applications can be submitted until 31.07.2022.

For first information please use our website.

We are looking forward to your application!