

Job Opening

Student Assistant in the Space Propulsion Working Group (m/f/d)

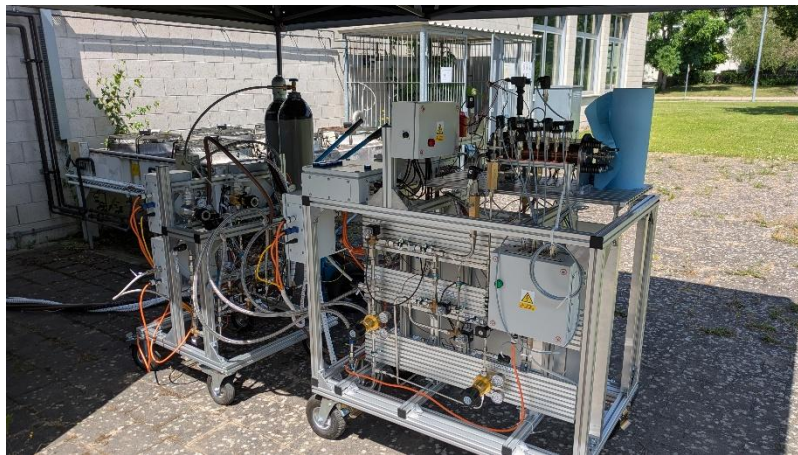


Figure 1: Mobile test bench during commissioning tests

Current trends in space flight, such as the construction of mega-constellations, miniaturization and in-orbit servicing, place new demands on the propulsion systems of spacecraft. In order to address these challenges and investigate new technical solutions, a mobile propulsion test bench has been set up at IRAS.

The Space Propulsion working group is looking for a student assistant to assist with the conduction of tests and the development of experimental infrastructure with up to 20h per month.

Tasks:

- Assisting with the conduction of tests
- Commissioning of hardware
- Maintaining and expanding the data acquisition and control software in MATLAB/Simulink
- Assisting in the maintenance and improvement of the test bench
- Assisting in the development of a new test bench

Requirements:

- Experience in CAD
- Knowledge of MATLAB / Python
- Systematic and independent working approach

Please submit your application by **July 17th, 2026** via e-mail to justus.caspar@tu-braunschweig.de.

Severely disabled applicants will be given preference in case of equal suitability. A proof must be enclosed. Furthermore, the Institute strives to increase its percentage of women and therefore strongly encourages women to apply. Applications from people of all nationalities are welcome.

The personal data will be stored for the purpose of processing the application. By submitting your application, you agree that your data may be stored and processed electronically for application purposes in compliance with the provisions of data protection law. Further information on data protection can be found in our data protection regulations at <https://www.tu-braunschweig.de/datenschutzerklaerung-bewerbungen>. Application costs cannot be reimbursed.

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