

At Helmut Schmidt University / University of the Federal Armed Forces Hamburg (HSU/UniBw H), Faculty of Mechanical and Civil Engineering, Professorship for Materials Engineering (Prof. Dr.-Ing. Jepsen), a position is **available as of 01.06.2025** for a

Research Assistant (m/f/d)

(salary group 13 TVöD [Collective agreement for the public service]; 39 hours per week)

for a limited period until 31.12.2027.

The scientific work is carried out in the field of hydrogen technology.

Responsibilities:

- Experimental and simulative development, production and system integration of innovative hydrogen storage systems based on metal hydrides
- Participation in conferences for the dissemination of scientific results
- Preparation and production of scientific publications
- Assistance in teaching to the extent of basically 3,0 trimester hours per week
- Possibility of further academic qualification (e.g. doctorate or habilitation)
- Carrying out general administrative work as well as academic activities in academic self-administration

Qualification requirements:

- A completed university degree (Diplom [univ.] or Master) in mechanical engineering, chemical engineering, process engineering, energy engineering, materials engineering or comparable disciplines with at least good grades
- Proven experience in materials engineering, ideally with application to renewable energy systems

Furthermore desired:

- Software skills (e.g. MatLab, Simulink, Python, ASPEN Plus, Modelica, Open Foam or COMSOL Multiphysics) or the willingness to acquire these as part of the project work
- Experience in constructive plant and tank construction as well as in plant control and regulation
- Independent, structured and organized way of working as well as a high degree of team spirit

- Knowledge of German language and foreign language in English with a proficiency level that corresponds at least to the language level B2 of the Common European Framework of Reference for Languages
- Strong interest in scientific work and the ability to teach (in English if necessary)

Features of this position:

- Pleasant and motivating working atmosphere
- Collaboration with research institutions at national and international level
- Capital-forming benefits
- Annual bonus payment
- Company pension scheme
- Flexible working hours
- DeutschlandJobTicket with employer subsidy if the necessary requirements are met
- Possibility of claiming a childcare place in a daycare centre close to the campus if the necessary preconditions are met
- You will benefit from targeted personnel development and an extensive range of further training and education opportunities.
- Budget-friendly meals in the campus canteen with three meals a day
- You have the opportunity to participate in workplace health promotion offers (for more information, see: www.hsu-hh.de/bgm/).
- Free parking on the campus grounds
- Possibility of using the Bundeswehr's own car-sharing service (for more information, go to: www.bwcarsharing.de).

For questions related to scientific or technical aspects, please contact Prof. Dr.-Ing. Jepsen, Tel.: 040/6541-2910 or by e-mail: Jepsen@hsu-hh.de.

The employment is based on the TVöD in conjunction with the Wissenschaftszeitvertragsgesetz [German Act on Fixed-Term Scientific Contracts]. In principle, the activities correspond to pay group 13 (E13). Classification up to pay group 13 of the TVöD shall be made in accordance with § 12 of the TVöD with regard to the activities to be performed on a more than temporary basis and the fulfilment of the personal or collective agreement requirements (job characteristics).

Part-time employment is possible.

The planned appointment date or the "start date" mentioned is a date that may change due to the course of the tendering procedure.

The Federal Armed Forces promotes professional equality between women and men and therefore particularly welcomes applications from women.

In accordance with the Sozialgesetzbuch IX [Social Code Book IX] and the Disability Equality Act, we expressly welcome applications from severely disabled persons; the fulfilment of the requirements for the advertisement will be considered on an individual basis.

More information about the university and the professorship can be found at:

www.hsu-hh.de and www.hsu-hh.de/awt.

Please send your application with the usual documents exclusively in electronic form (pdf file), quoting the reference number **MB-2025**, **by 22.05.2025** to:

personalabteilung@hsu-hh.de.

Note:

Information on data protection in the application process can be found on the website www.hsu-hh.de under the heading "Universität - Karriere - Datenschutzinformationen".

Applications without reference number will not be considered and will be deleted immediately for data protection reasons.

