

REFERENCE NUMBER 129/25 DM	START DATE AS SOON AS POSSIBLE	SALARY LEVEL EG 13 TV-L	APPLICATION DEADLINE 09.12.2025
-------------------------------	-----------------------------------	----------------------------	------------------------------------

FACULTY OF SUSTAINABLE ENGINEERING

SCIENTIST

FOR THE INVESTIGATION OF FLUIDS FLOWS BEHIND BUBBLES

The position is a temporary full-time position, limited to 16 months from the start date, with 100% of the standard work hours per week (currently 39 hrs/wk). Apart-time arrangement is possible where operational requirements permit.

ABOUT US

The position is based at the Heinrich-Blasius-Institute for Physical Technologies in the Faculty of Sustainable Engineering, and the research will be conducted in close collaboration with the Institute of Multiphase Flows at the Hamburg University of Technology (TUHH). The connection to the doctoral program "Sustainable Technologies and Systems" and the "Competence Center for Renewable Energies and Energy Efficiency" (CC4E) at HAW Hamburg, as well as the Collaborative Research Center 1615 "Smart Reactors" at TUHH, enables teamwork with diverse development opportunities and interdisciplinary exchange.

YOUR ROLE

- design and setup of an experiment with controllable bubble swarm generation
- flow measurements via particle tracking velocimetry
- image data analysis to determine the mixing structures in the wake of bubbly flows
- determination of the influence of mixing structures on chemical reactions in multiphase flows
- creation of mathematical correlations to describe mass transfer in process engineering

YOUR PROFILE

Required qualifications

- scientific university degree (master's or equivalent), preferably in process engineering, mechanical engineering, physics, or a related scientific field of study

Desirable qualifications

- knowledge in the field of flow measurements and flow analysis
- knowledge of and joy in data analysis with applied programming languages such as MATLAB, Labview, Python
- initial experience in experimental work (design, setup, implementation, evaluation)
- good written and spoken English skills (comparable to level B2 CEFR)
- ability to work in a team, commitment, sense of responsibility, initiative, and systematic approach to work

WHAT WE OFFER

- a dynamic position in an interesting area of work at an open-minded, forward-thinking university
- membership in a team that welcomes your contributions and supports you during the onboarding and orientation process
- support with obtaining further qualification/s as part of your doctoral studies
- a centrally located workplace with good public transport access at the Berliner Tor

- 30 days of holiday annually (based on a five-day work week) and a workplace pension
- flexible and family-friendly working hours
- possibility of company bike leasing via Jobrad
- possibility to purchase the EGYM Wellpass

WE LOOK FORWARD TO RECEIVING YOUR APPLICATION

Please describe how you meet the position requirements and send us the following documents:

- a cover letter, your CV and copies of the required degree/educational certificates,
- an up-to-date assessment or letter of reference (no more than three years old),
- where applicable, proof of a disability or equivalent status,
- declaration of consent to review your personnel file, together with the name of the unit currently responsible for the file (for public service employees only).

HAW Hamburg is committed to creating an institutional culture and a working environment that are aware of discrimination issues, promote gender equality, and are sensitive to diversity. We have passed an audit as a 'family-friendly university' and been certified as a diversity-aware institution ('_Vielfalt gestalten_' certificate); prospective applicants can therefore be confident that we are supportive of staff who need to combine their careers with their family lives, are working actively towards equality of opportunity, and recognise and appreciate diversity across our institution. These values are key to our vision of how we at HAW Hamburg seek to teach and lead others.

We welcome applications from people of all gender identities, ethnicities and ages, regardless of religion, sexual orientation and disability. We particularly encourage women with the appropriate qualifications and experience to apply.

Information for severely disabled persons and persons with equivalent status,
as well as further information from HAW Hamburg

Apply now

CONTACT INFORMATION

If you have questions about the job posting, please contact
Alexandra von Kameke, T + 49 40 428 75 8624, alexandra.vonkameke@haw-hamburg.de

If you have questions related to human-resources matters, please contact
Tamara Wezel, T + 49 40 428 75 9084, tamara.wezel@haw-hamburg.de

**HOCHSCHULE FÜR ANGEWANDTE
WISSENSCHAFTEN HAMBURG**
Hamburg University of Applied Sciences

[print page \[PDF\]](#)

**Because you can
make a difference.**