Become part of our team as a

Head of Department (m/f/d) for "Multiphase Flow, Heat and Mass Transfer" in the Process Engineering Department

Full-time (39.2 h/week), initially for a limited period of 24 months with the prospect of continued employment for an indefinite period. To be recruited as soon as possible.

Leibniz-IWT stands for research in the field of new materials, new processes and optimised components. Our work is interdisciplinary, international and practical. The scientific questions in our institute range from the production of materials, such as powder production for additive manufacturing, to the analysis of the final machined components, for example high-precision gears. This is how we shape the requirements of tomorrow.

We need your expertise for:

- Head of department in the field of multiphase flow with focus on numerical modelling and simulation of multiphase flows with heat and mass transfer and chemical reactions
- Research on the fundamentals and applications of multiphase flows in atomisation, particle technology and thermoprocess technology
- Acquisition and scientific management of research projects
- Review activities and participation in expert committees (national and international)
- Support in teaching (B.Sc. and M.Sc.) and supervision of doctoral students at the University of Bremen

What we expect from you:

- Successful doctorate in process engineering, mechanical engineering, fluid mechanics or related disciplines
- Ability to assume responsibility as personnel, scientific and administrative head of the department as evidenced in previous project and team management, gender- and diversity leadership competence is considered beneficial
- Early professional experience in a research and development area, e.g. as a PostDoc and desirably, Experience in the acquisition of scientific third-party funding
- Proven knowledge and publications in the field of fluid mechanics of multiphase fluids and their modelling and simulation
- Ability to combine different methodological approaches on different scales with machine learning approaches
- English language ability at the C1 level as well as German language skills, which, if not available, will be learned during employment

Contact
Prof. Dr.-Ing. Lutz Mädler
Director and head of Dep. Process Engineering
Fon:+49 421 218 -51200
Email: lmaedler@iwt.uni-bremen.de

Leibniz-Insitut für Werkstofforientierte Technologien – IWT
Badgasteiner Straße 3
28359 Bremen
bewerbung@iwt-bremen.de

What you can expect from us:

- Remuneration based the federal collective bargaining agreement (TV-L), pay category 15 (from EUR 5.017 per month in full time), annual bonus
- Interdisciplinary research environment with broad expertise and equipment in the field of materials-oriented technologies and their process chains
- Support in personal qualification, for example in the pursuit of a habilitation and professorship
- Family-friendly, flexible working time models, e.g. part-time, flexitime, mobile work
- Support in sporting activities

Leibniz-IWT is a research institute certified for its family friendliness, and actively cultivates equality among all groups of people. We promote the professional development of women at the Institute and strongly encourage female candidates to apply. You can find information about our severely disabled representatives and inclusion officers on our website. We strongly encourage people with migration experience to apply. Severly disabled applicants will be given preference in case of equal qualifications.

Please send your application with cover letter, curriculum vitae and certificates **by 26.06.2026** by e-mail, quoting the reference number V 23-2, to: bewerbung@iwt-bremen.de

Contact
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