



The Institute of Heat and Mass Transfer advertises a job as

Research Assistant: Falling Liquid Films

The position is limited to 2.5 years. A multi-year extension is possible.



Contact person: Herr Dr.-Ing. Dr. rer. pol. W. Rohlfs Tel.: 0241/80-95403 E-Mail: rohlfs@wsa.rwth-aachen.de

Please apply until the 15.10.2019 to:

Univ.-Prof. Dr.-Ing. Reinhold Kneer RWTH Aachen University Institute of Heat and Mass Transfer Augustinerbach 6 52056 Aachen

or via E-Mail to Dr.-Ing. Dr. rer. pol. W. Rohlfs rohlfs@wsa.rwth-aachen.de

Your responsibilities:

As a scientific staff member at WSA, we offer you the opportunity to work on an innovative publicly funded research project, *"Characterization and prediction of dripping of liquid films flowing underneath planar surfaces and on tilted cylinders"*. The focus of your research will be on the experimental, numerical and analytical description of the dripping phenomenon. In particular, the use of low-dimensional models (WIBL) combined with full two- and three-dimensional simulations shall give insights into the different dripping modes and shall allow to segregate regime borders of these dripping modes. More information on can be found here:

- http://publications.rwth-aachen.de/record/539991/files/539991.pdf
- Rietz et al., JFM, 832, 189-211, 2017

What you can expect:

- Opportunity to conduct a PhD thesis at RWTH Aachen University
- Close cooperation with the Université libre de Bruxelles (ULB)
- Professional and collegial working atmosphere in a motivated team
- Excellent in-house equipment on machinery and equipment
- Possibility for professional and personal development

Your profile:

- Completed university studies (master or equivalent) in the field of mechanical engineering or comparable fields of study
- Interest in innovative and interdisciplinary topics
- Willingness to work independently, responsibly and in a team-oriented manner
- High motivation to work in science and teaching
- Experience in the field of boundary layer flows is an advantage
- Very good English skills

RWTH Aachen University is certified as a "Family-Friendly University". We welcome applications from all suitably qualified candidates regardless of gender. We particularly welcome and encourage applications from women, disabled persons and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit. RWTH Aachen is an equal opportunities employer. We therefore ask you not to include a photo in your application. For information on the collection of personal data pursuant to Articles 13 and 14 of the General Data Protection Regulation (GDPR), please visit: http://www.rwth-aachen.de/dsgvo-information-bewerbung.