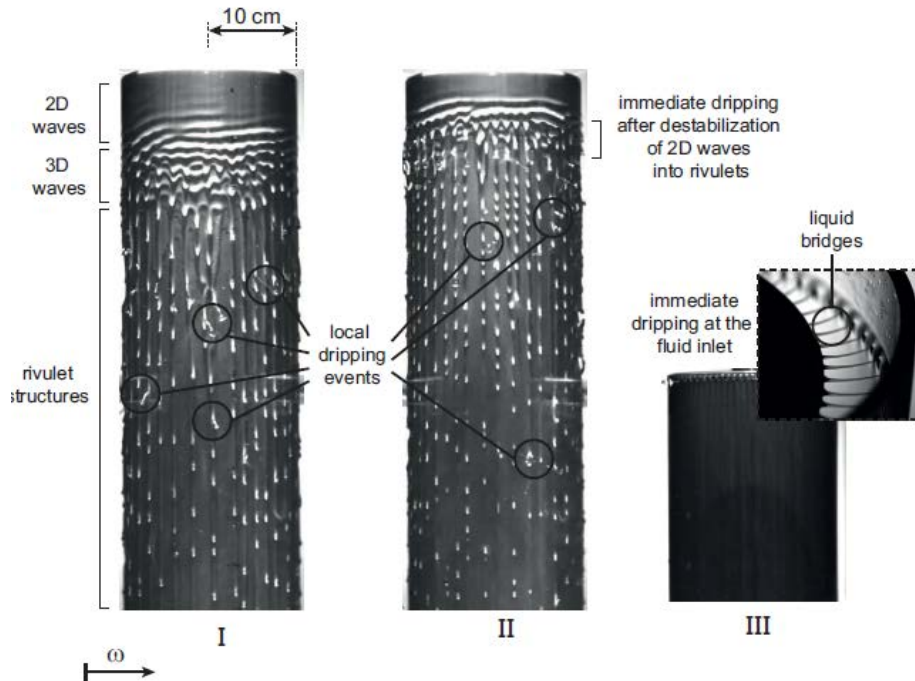


The Institute of Heat and Mass Transfer advertises a job as

## 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. Rohlf s

Tel.: 0241/80-95403

E-Mail: [rohlf s@wsa.rwth-aachen.de](mailto:rohlf s@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. Rohlf s

[rohlf s@wsa.rwth-aachen.de](mailto:rohlf s@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