



In the Department of Mechanical Engineering at TU Darmstadt there is a vacancy in the Department of Fluid Dynamics for a

Research Assistant (all genders)

The employment contract is fixed-term (36 months), starting on 1st of March, 2023.

This position is assigned to a project in the interdisciplinary priority program SPP 2171. The aim of the project is to investigate numerical methods for simulating the wetting and dewetting behavior of flexible substrates under the influence of temperature gradients.

Your tasks:

- Development of discontinuous Galerkin methods for fluid-structure interaction under the influence of heat transfer
- Collaboration in the development of the institute-internal simulation software BoSSS
- Collaboration in courses of the department

Your Qualifications:

- Degree (Diploma or MSc,) in computational engineering, mechanics, mathematics or technical mathematics.
- experience in the implementation of numerical algorithms
- in-depth knowledge in numerics as well as programming skills

We offer:

- Personal and professional development in challenging research projects
- Work in an interdisciplinary, committed international team

Opportunity for further qualification (doctoral dissertation) is given. The fulfillment of the duties likewise enables the scientific qualifications of the candidate.

The Technische Universität Darmstadt intends to increase the number of female employees and encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference. Wages and salaries are according to the collective agreements on salary scales, which apply to the Technische Universität Darmstadt (TV-TU Darmstadt). Part-time employment is generally possible.

Applications should be sent electronically with the usual documents to Dr.-Ing. Florian Kummer (kummer@fdy.tu-darmstadt.de), quoting the identification number.

By submitting your application, you agree that your data may be stored and processed for the purpose of filling the vacancy. You can find our → [privacy policy](#) on our webpage.

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Application deadline December 29, 2022
