



Prof. Carsten Mehring, Ph.D.
Institut für Mechanische
Verfahrenstechnik

The Institute of Mechanical Process Engineering (IMVT) at the University of Stuttgart has an opening for a fully-funded Ph.D. position in the area of

"Model-Development and Investigations on the Behavior of Multifunctional Foams"

Our institute conducts theoretical and experimental research related to the behavior and the interaction between solid, particulate and fluidic (gas/liquid) substances or material systems, as they appear in the production of high-performance, high-value materials and products, in technical applications and processing plants, and in nature.

In the general area of foams, the institute is particularly interested in extending existing physics models across all scales of interest and to improve the understanding of foam behavior under variable ambient conditions and at its interfaces with other media.

Your Profile

A master degree in process engineering, mechanical engineering, or another related discipline. Good communication skills, highly motivated, with a strong background in theoretical and computational fluid mechanics. Experience with multiphase flows, hydrodynamic instabilities, scientific computing and programming skills is desired. Experience in Openfoam, ANSYS Fluent/CFX and Matlab/Simulink is a plus. Excellent English skills and good German skills are required.

We offer

The position is fully funded for the duration of the Ph.D. studies. Salary for this position is € 3672 gross per month, based on the German TV-L, salary group E13 (100%). It is expected that the candidate actively supports education and the teaching mission of the institute.

The University of Stuttgart aims to increase the number of female employees. Qualified women are therefore especially encouraged to apply. Handicapped applicants will be preferred if applicability and qualification are equivalent.

How to Apply

Applications with the usual documents (letter of motivation, CV, copies of degree diplomas, course transcripts from all previous institutions, list of publications, language test scores if applicable, list and contact information of references) should be sent by e-mail to carsten.mehring@imvt.uni-stuttgart.de by July 1, 2018. For additional information, please visit our institute website at www.imvt.uni-stuttgart.de or contact Prof. Carsten Mehring.