



The Cluster of Excellence

Smart Interfaces - Understanding and Designing Fluid Boundaries

at the Technische Universität Darmstadt invites applications for several full-time, tenured faculty positions. This Cluster of Excellence has been recently founded at the Technische Universität Darmstadt as part of the Excellence Initiative of the federal government of Germany. It combines research on fluid boundaries from the Departments of Chemistry, Physics, Materials Science, Mathematics and Mechanical Engineering as well as several external research institutions.

W3-Professorship for Computational Methods

(Ref. No. 22)

affiliated with the Department of Chemistry.

The research of the professorship encompasses (i) the development of novel simulation methods and mathematical/physical models and (ii) their application in the area of surfaces, interfaces and boundaries. A research methodology is favored, which integrates the nanoscopic molecular simulation methods, with macroscopic continuum descriptions, such as the finite element method. These multi-scale modeling approaches may involve both horizontal coupling (hybrid methods) and vertical coupling (parameter inheritance) of models.

The candidate will teach, at a reduced load, in the Department of Chemistry. It is expected that after 2 years the candidate will be able to teach in German. For further information regarding this position, you are invited to contact the chairman of the search committee, Prof. Dr. Florian Müller-Plathe, +49-6151-16 65 24, f.mueller-plathe@theo.chemie.tu-darmstadt.de.

The successful candidates

- have developed an internationally visible research profile.
- have shown his/her ability to actively drive collaborations and pursue them across boundaries between traditional disciplines and between academia and industry.
- are committed to establishing a vigorous research program in close collaboration with the Principle Investigators of the Center of Smart Interfaces and with other departments at the TU Darmstadt.
- are experienced and successful in supervising graduate students and post-docs.

The position is tenured with a remuneration package commensurate with experience and qualifications, following the German "W-Besoldung" category. The regulations for employment are specified under §§ 70 and 71 HHG (Hessisches Hochschulgesetz).

Candidates who hold a public servant status (Beamtenverhältnis) can be reappointed under the same status.

The Technische Universität Darmstadt is an equal opportunity employer. The TU Darmstadt has the goal to enhance the percentage of women where they are underrepresented. Women, therefore, are especially encouraged to apply. Eligible disabled persons will be given priority.

Further information about the Center of Smart Interfaces can be found at www.csi.tu-darmstadt.de.

Interested candidates should submit a curriculum vitae, a statement of research plan, a list of previously taught courses, a list of past and present research grants/projects and contact information for two references to:

Electronic submissions are welcome.

Center of Smart Interfaces

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