



Universität der Bundeswehr München

Institut für **Mathematik und  
Computergestützte Simulation**

der Bundeswehr  
**Universität München**

Doctoral Position at the Institute for Mathematics and Computational Simulation (Prof. Popp) as

**Research Assistant (m/f/d)**

(Salary according to pay grade E13 TVöD)

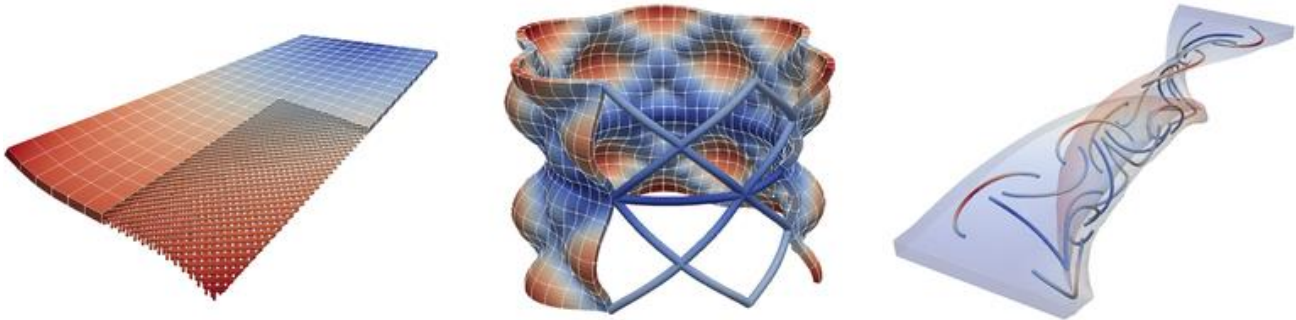
In the following research areas:

**Computational Science and Engineering | Finite Element Methods  
Material Modeling | Multi-Scale Plasticity and Damage  
Uncertainty Quantification | Bayesian Methods**

As part of the project

*InterPlaS—Modeling the Interaction of  
Elasto-Plasticity, Damage, and Delamination in Composite Laminate*

conducted in collaboration with the Bundeswehr Research Institute for Materials, Fuels and Lubricants (WIWeB), high-performance numerical methods will be developed for multi-scale modeling of the material behavior of fiber-reinforced plastics. The methods will be validated through accompanying experiments. The goal is to consistently incorporate relevant material effects at both the meso- and macro-scale, as well as to integrate modern methods of Uncertainty Quantification (UQ) into the modeling process. The research associate will work independently and in close collaboration with the project leaders and institute head, contributing to the realization and further development of the research vision.



The full-time position (100% E13 TVöD) is initially limited to three years. An extension is possible with the successful acquisition of additional research funding and is actively pursued by the chair. The position is explicitly geared toward qualification for a doctorate (Dr.-Ing.), and this goal is actively supported.

**About the Institute**



<https://www.unibw.de/imcs-en>

**All details about the research project**



<https://www.unibw.de/imcs-en/job-opportunities/interplas.pdf>

**Application**

Applications will be reviewed as they are received until the position is filled. Please send your complete application documents (PDF file including cover letter, CV, and copies of certificates) **as soon as possible** via email to:

**Prof. Dr.-Ing. Alexander Popp**

[imcs@unibw.de](mailto:imcs@unibw.de)

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