

**Research assistant (m/f/d)
at the Faculty of Aerospace Engineering
at the Institute of Mechanics**

(remuneration according to pay scale E 13 TVöD)

to be filled on 1 September 2026 for a period of three years. The opportunity to obtain a **Dr.-Ing.** degree is available.

The University of the Bundeswehr Munich is firmly established in the national and international research landscape. As a campus university with excellent basic facilities, it offers the best conditions for high-quality teaching and research.

The position involves working on an innovative DFG third-party funded project in the field of applied technical mechanics. The research work focuses on the simulation of crystallisation and phase transformation of polymers in injection moulding. The Institute of Mechanics has modern simulation software systems and experimental methods at its disposal for this purpose. The project is a collaboration with the Leibniz Institute for Polymer Research in Dresden.

Your tasks:

- Working on a research project in the field of modelling and simulation of crystallisation and phase transformation of polymers in injection moulding
- Development and validation of calculation models
- Performing material modelling simulations, interpreting the results
- Communication and exchange with the cooperation partner
- Writing publications
- Presentation of research results at national and international conferences

Qualification requirements:

- A university degree with above-average grades and a master's degree in one of the following fields: simulation, mathematical modelling, mechanical engineering, aerospace engineering, civil engineering or comparable; training will be provided
- Enjoyment of scientific work
- Very good written and oral communication skills in German and/or English

What we expect:

- Ability to work in a team and take responsibility
- Loyalty and reliability
- Diligence, creativity and initiative
- Openness and willingness to take on varied tasks
- Enjoyment of working with modern numerical simulation software

What we offer:

- A friendly working atmosphere in a supportive team
- An excellently equipped working environment at an institute with excellent national and international connections
- Excellent equipment that is commensurate with the interesting and varied range of tasks
- A campus university with very good infrastructure, its own crèche and kindergarten (parent initiative), a family service centre offering advice and assistance to university members to help them better balance family, care and work, as well as excellent sports facilities
- You will work for a recognised and family-friendly employer in a secure economic environment
- You will benefit from targeted personnel development and a comprehensive range of training and further education opportunities
- You will have the opportunity to participate in workplace health promotion programmes
- Flexible working hours

- Classification in pay scale E 13 is based on §12 TVöD (German public sector collective agreement) with regard to the actual duties to be performed and the fulfilment of personal and collective agreement requirements.
- Unfortunately, mobile working is only possible to a limited extent due to the nature of the role

Part-time employment is also possible upon request.

The Bundeswehr promotes professional equality between women and men and therefore particularly welcomes applications from women. In accordance with Social Security Code IX and the Disability Equality Act, we expressly welcome applications from severely disabled persons; individual consideration will be given to whether the requirements of the vacancy are met. The Bundeswehr supports the objectives of the National Integration Plan and welcomes applications from people with a migration background.

Have we sparked your interest?

Then please send your detailed application documents (cover letter, CV, references, certificates) with the subject line 'WIMI-LRT4 PRIMEPA6' by 1.July 2026 as PDF (maximum 10 MB) by email to: klara.loos@unibw.de

Information about the Institute of Mechanics can be found at www.unibw.de/lrt4

For further information, please contact:

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By submitting your application, you agree that your personal data may be stored, processed and forwarded to the departments involved in the application process for the purposes of the application. Further information on data protection can be found at the following link: [Datenschutzerklärung](#).

We look forward to receiving your application!