

With more than 7,500 employees in research, teaching and administration and its unique profile, TU Dortmund University shapes prospects for the future. The cooperation between engineering and natural science as well as social and cultural studies promotes both technological innovations and progress in knowledge and methodology. It is not only the more than 31,500 students who benefit from this.

The Institute of Forming Technology and Lightweight Construction (IUL) of the Department of Mechanical Engineering of TU Dortmund University is seeking to fill the position of a

## Junior professorship W 1 “Simulation in Metal Forming and Lightweight Construction”

at the earliest opportunity.

In the field of numerical modeling and material characterization at the IUL, the successful candidate will primarily be responsible for the development, analysis, and optimization of novel, intelligent, and efficient forming processes that meet the ever-increasing demands of lightweight design. Therefore, the applicant shall have a proven record of experience in several of the following fields:

- Metal forming: analytical, experimental, and technological
- Material characterization – inverse and conventional strategies
- Plasto and damage mechanics
- Numerical modeling – FEM and numerical mathematics.

The successful candidate will take an active part in teaching. The applicant shall prove her/his national and international orientation by relevant stays abroad, cooperations, or working activities as well as peer-reviewed publications.

The recruitment requirements are regulated by § 36 of the North Rhine-Westphalian Law for Higher Education (HG).

The junior professor will be appointed as a civil servant for an initial period of three years. Provided that her/his performance is thereafter evaluated positively, employment shall be extended for three more years.

TU Dortmund University aims at increasing the number of women in research and teaching and strongly encourages the application of female candidates. Suitable applications from severely disabled candidates are most welcome and shall be given preference.

TU Dortmund University supports the balance between family and career and promotes gender equality in science and research. TU Dortmund University is certified as a family-friendly university and bears the seal "audit family-friendly university".

Applications with the standard documents shall be sent to the address below within 4 weeks from the date of publication of this advertisement:

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