

Bundesanstalt für Materialforschung und -prüfung (BAM)



Die BAM ist eine wissenschaftlich-technische Bundesoberbehörde im Geschäftsbereich des Bundesministeriums für Wirtschaft und Klimaschutz.

Student Assistant (Studentische Hilfskraft)

in the field of physical engineering, mechanical engineering or comparable

City: Berlin; Starting Date: At the earliest possible; Duration: more than 6 months;
Remuneration: TV Stud III; Closing date: 15/12/24

Working field

- Assistance in the preparation and execution of experiments in the high-power laser beam welding
- Pre-processing of the training data, including high-speed video and X-ray images
- Development of an ML model for the prediction of porosity defect
- Literature research on current topics in welding technology

Requirements

- Study experience of several semesters in the fields of Physical Engineering, Mechanical Engineering, Material science or comparable. Very good basic knowledge in fluid mechanics or machine learning will be a plus.
- Experiences in simulation and Programming skills (C language, Python, Fortran) are an advantage.

What We Offer

- Interdisciplinary research at the interface between politics, economics and society
- Work in national and international networks with universities, research institutes and industrial companies
- Outstanding facilities and infrastructure
- Equal opportunities

Application

Please send your application to the following address: **xiangmeng.meng@bam.de** by **15.12.2024**. Please attach detailed application documents to the email as a summarised file in PDF format (max. 20 MB).

Please note that all application documents will only be stored and processed for the selection procedure. Upon conclusion of the selection procedure, the documents will be deleted in compliance with regulations on data privacy.

Dr. Xiangmeng Meng will be glad to answer any specific questions you may have. Please get in touch by email to **xiangmeng.meng@bam.de**.

BAM pursues equal opportunities. For this reason, we particularly welcome female applicants.

Recognised disabled applicants with identical suitability will be selected preferentially.

Weitere Informationen unter <https://stellenticket.de/189291/>
Angebot sichtbar bis 12.12.2024

