



To strengthen our team in the division “Buildings and Structures” in Berlin-Steglitz, starting as soon as possible, we are looking for a

Research Assistant (m/f/d) **in the field of Civil Engineering or equivalent academic studies**

Salary group 13 TVöD

Temporary contract until December 31, 2022

Full-time / suitable as part-time employment

The Bundesanstalt für Materialforschung und -prüfung (BAM) is a materials research organization in Germany. Our mission is to ensure safety in technology and chemistry.

We perform research and testing in materials science, materials engineering and chemistry to improve the safety of products and processes.

At BAM we do research that matters. Our work covers a broad array of topics in the focus areas of energy, infrastructure, environment, materials, and analytical sciences. We offer an excellent work environment, located in Berlin, with state of the art research infrastructure and special laboratories.

We are looking for talented people to join us.

Your responsibilities include:

Processing of the research project VERBATIM “Verification of Buckling Assessment and Behaviour in Large Monopiles” for offshore wind turbines; specific tasks include:

- Thematic introduction to the buckling of steel open-ended piles and pile-soil interaction
- Design, development and construction of suitable test setups (laboratory and field tests) as well as execution of the tests and documentation and evaluation of the results
- Numerical investigations for the description of the installation of driven piles by impact loading
- Project coordination and management
- Preparation of the project reports as well as publication and presentation of the results
- Supervision of student assistants for supporting activities

The scientific framework of the project is also suitable for the pursuit of a doctorate (PhD degree), provided that the applicant is personally interested and qualified.

Your qualifications:

- Successfully completed university degree in the field of civil engineering or equivalent academic studies
- Very good knowledge and experience in the field of steel constructions and/or geotechnics
- Very good knowledge of technical mechanics and numerical methods
- Experience with mechanical tests on structural elements would be valuable
- Experience with the calculation and execution of steel constructions
- Programming experience would be valuable



- Experience in management of scientific projects would be an advantage
- Very good oral and written communication skills in German and English (joint project with several international industry and university partners)
- Commitment, independent and autonomous working methods as well as team and cooperation skills

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

Your Application:

We welcome applications via the online application form by February 24, 2020. Alternatively, you can also send your application by post, quoting the reference number 19/20 - 7.2 to:

Bundesanstalt für Materialforschung und -prüfung
Referat Z.3 - Personal
Unter den Eichen 87
12205 Berlin
GERMANY
www.bam.de

Mr. Matthias Baeßler will be glad to answer any specific questions you may have. Please get in touch via the telephone number +49 30 8104-1724 and/or by email to Matthias.Baessler@bam.de.

BAM pursues equal opportunities. For this reason, we particularly welcome female applicants. Recognised disabled applicants with identical suitability will be selected preferentially.