



Braunschweig, March 4<sup>th</sup> 2020

The division of Hydraulic Engineering and River Morphology at the Leichtweiß-Institute for Hydraulic Engineering is looking for a

**Research Assistant (m/w/d) for scientific duties**

with a monthly workload of 30 hours.

**Your tasks**

To support the research activities in the project „Particle-resolving Simulations of Cohesive Sediment Dynamics“ in the Division of Hydraulic Engineering and River Morphology in you will take over the following tasks:

- Conducting numerical simulations of sediment transport
- Visualization and analysis of the simulation results
- Automation of work processes for High Performance Computing
- Maintenance of our IT-Infrastructure
- Public outreach (e.g. posters and presentations)

**Your personal and professional qualifications**

- You are a MSc student of Civil Engineering, Environmental Engineering or Computational Sciences in Engineering
- You have a basic knowledge of programming (e.g. Matlab, C) and you are familiar with Linux-systems
- Good knowledge of the English language (German is an asset)

We expect the candidate to show commitment and a high level of interest in the research topic. We will guarantee a thorough guidance by our staff and direct involvement in the team.

If you are interested, please contact

Mr. **Bernhard Vowinckel, Dr.-Ing.**

Tel. (0531) 391-7972, Email: [b.vowinckel@tu-braunschweig.de](mailto:b.vowinckel@tu-braunschweig.de)

Beethovenstraße 51a, 38106 Braunschweig