

## Vacancy Notice 86/2019

The Otto von Guericke University Magdeburg (OVGU) is an internationally oriented and regionally networked university with a strong research profile.



The Otto-von-Guericke-University Magdeburg seeks to fill the following vacancy:

### PhD student (m/w/d)

Faculty of Mechanical Engineering, Institute of Mechanics,  
Chair of Computational Mechanics

Salary Scale:	Date commencing:	Fixed term until:	Contract status:
13 TV-L	01.07.2019	30.06.2022	100 %

#### Tasks:

- Working on the project „Coupling of fictitious domain methods and the boundary element method for the analysis of acoustic metamaterials“ funded by the German Research Foundation
- Participation in establishing a professional cooperation with the Hamburg University of Technology (TUHH) and the University of New South Wales (USNW)
- Providing a significant contribution to the literature by international publications

#### Requirements:

- Diploma/Master in Mechanical Engineering or Computational Mechanics with an outstanding grade
- Excellent knowledge in the area of numerical mechanics, especially in the finite element method
- Experience in fictitious domain methods or the finite cell method
- Knowledge in the context of vibroacoustics, boundary element method as well as fluid structure interactions is desirable
- Experience in programming for example with MATLAB, Python or Fortran
- Excellent language skills in English (additional German language skills are welcome)
- Striving for autonomous research activity with the aim to achieve a doctoral degree

If you have questions about the advertised position, please contact Dr. Fabian Duvigneau (Tel. 0391/67-52754, [fabian.duvigneau@ovgu.de](mailto:fabian.duvigneau@ovgu.de)).

Applications from disabled persons will be given priority in the case of equal suitability, ability and professional expertise. The Otto von Guericke University aims to increase the proportion of women researchers within the university and specifically encourages women to apply.

Please note the information for storage of personal data: [https://www.uni-magdeburg.de/Datenschutz\\_Bewerber.html](https://www.uni-magdeburg.de/Datenschutz_Bewerber.html)

Please send your complete application (cover letter, curriculum vitae, references) quoting reference number **86/2019** by **March 29th, 2019** (date of receipt of application) to the address below or via e-mail (all documents concatenated in one pdf):