**Anbieter**

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<tr>
<th>Universität</th>
<th>Universität Stuttgart</th>
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<tr>
<td>Institut / Einrichtung</td>
<td>Institut of Geotechnical Engineering (IGS)</td>
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<td>Kategorie</td>
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**Angebot**

<table>
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<tr>
<th>Titel</th>
<th>Research / Teaching Assistant (PhD Student) in Computational Geotechnics</th>
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<tr>
<td>Einsatzort</td>
<td>Pfaffenwaldring 35 70569 Stuttgart Deutschland</td>
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**Beschreibung**

The Institute of Geotechnical Engineering at the University of Stuttgart (IGS) invites applications from motivated, committed and talented candidates for the position of a 

Research / Teaching Assistant (PhD Student) in the field of Computational Geotechnics, especially for modelling large deformations and its application in the field of Geotechnical Engineering. The position is remunerated in accordance with TV-L, pay scale E13 and is limited in accordance with the requirements of the WissZeitVG, as per the current valid version.

**About the institute:**

The Institute of Geotechnical Engineering (IGS) is part of Faculty 2 – Civil and Environmental Engineering – at the University of Stuttgart. Main fields of work in research, teaching and consulting include soil and rock mechanics, foundations and earthworks, foundation engineering and tunnel construction, environmental geotechnics as well as numerical geotechnics.

**Tasks:**

- continuing the development of an in-house multi-phase Convected Particle Domain Interpolation Method code, an advanced version of the Material Point Method (MPM)
- working in third-party research projects and communicating with research partners in the industry or at other universities
- tutoring Master’s level courses and taking part in miscellaneous administrative duties at the Institute

**Anforderungsprofil**

- graduation with an excellent cumulative grade (M.Sc. or Dipl.-Ing) in the field of Computational Mechanics, with emphasis on Finite Element Methods
- sound knowledge in soil mechanics
- basic knowledge in theory of porous media desirable
- sound knowledge in FORTRAN, C++/Python desirable
- interest and motivation towards conduct of independent scientific work
- an open-minded and confident personality, with an ability to work in teams
- very good command over English language, good command over German language

**Vergütung**

E13 TV-L
Art der Beschäftigung | nach Vereinbarung  
Zeitraum der Beschäftigung | nach Vereinbarung  
Bewerbungsfristende | Mittwoch, 15. Juli 2020 - 23:59  

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Link zu dieser Stellenanzeige: https://www.stellenwerk-stuttgart.de/jobboerse/wissenschaftl-stellen-research-teaching-assistant-phd-student-computational-geotechnics-s-2020-06-12-313733  
Bitte beziehen Sie sich in Ihrer Bewerbung auf https://www.stellenwerk-stuttgart.de/