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## Pre-Doc

position (25h per week) to be filled for four years (planned start 1<sup>st</sup> of November 2018) to support research and teaching at the **Institute of Lightweight Design and Structural Biomechanics (ILSB)**, TU Wien, area lightweight design, in particular in the field of **computational mechanics of materials and structures** and related fields.

The teaching load (including preparation, examination, etc.) approximates in average 4 hours per week for an employment of 25 hours per week.

### Mandatory requirements

- A master degree in mechanical engineering, civil engineering, materials science, computational engineering or equivalent.

### Other requirements

- German skills (level B2) for teaching and as working language.
- Required is sound knowledge at least in one of the following fields: Finite Element Method (theory and practice, linear and nonlinear), continuum mechanics of solids, nonlinear elasto-stability, nonlinear material modeling, damage and fracture mechanics.
- Knowledge of a commercial finite element program (preferentially Abaqus) and programming skills in Python and/or Fortran are of advantage.

In accordance with the Austrian Collective Agreement for University Staff the position offers a minimum salary of EUR 1746,60 per month (before taxes, 14 times per year).

Period for applications: until October 25, 2018

Applications are to be directed to

Personaladministration, Fachbereich wiss. Personal, der TU Wien,  
Karsplatz 13, A-1040 Wien;

online applications to [rene.fuchs@tuwien.ac.at](mailto:rene.fuchs@tuwien.ac.at).

Applicants are not entitled to reimbursement for travel and accommodation expenses incurred in the course of the admission procedure.

TU Wien is aiming to increase the proportion of women within scientific and artistic staff and thus strongly encourages qualified women to apply. Persons with disabilities are especially encouraged to apply.