

Technische Universität Braunschweig - Institute for Building Materials, Concrete Construction and Fire Safety (iBMB)



With more than 15,000 students and 3,800 employees, the Technische Universität Braunschweig is one of Germany's leading institutes of technology. It stands for strategic and performance-oriented thinking and acting, relevant research, committed teaching, and the successful transfer of knowledge and technologies to the economy and society. We consistently advocate for family friendliness and equal opportunities. Our research focuses are mobility, engineering for health, metrology, and city of the future. Strong engineering and natural sciences are our core disciplines. These are closely interconnected with economics, social and educational sciences and humanities. Our campus is located in the midst of one of the most research-intensive regions in Europe. We work successfully together with over 20 research institutions in our neighborhood as we do with our international partner universities. For the earliest possible date, the Institute for Building Materials, Concrete Construction and Fire Safety (iBMB) is looking for a Research Associate / Doctoral Candidate (m/f/d) on the topic of "Design and construction of timber and hybrid components under fire exposure".

Research Associate / Doctoral Candidate (m/f/d) on the topic of "Design and construction of timber and hybrid components under fire exposure"

(EG 13 TV-L, full-time) The position is to be filled on a fixed-term basis for an initial period of 3 years. The successful applicant will be given the opportunity to pursue a doctorate. The Fire Safety Division at the Institute for Building Materials, Concrete Construction and Fire Safety (iBMB) researches the fire safety of building components and structures, the fire dynamics of enclosures, and prepares fire safety analyses. The Fire Research Center (ZeBra) offers an international unique experimental research infrastructure.

City: Braunschweig; Starting date (earliest): At the earliest possible; Duration: 3 years; Remuneration: EG 13 TV-L; Closing date: 09/03/26

Tasks

- You will carry out research in the field of fire resistance and fire behaviour of timber elements and/or products of biogenic materials, perform fire tests and numerical analyses,
- You will apply for work on research projects,
- You will publish research findings and participate in national and international conferences,
- You will be involved in teaching at the University (preparation and implementation of courses as well as supervision of students' work).

Requirements

- You have a degree (Master's or equivalent) in civil engineering, timber engineering, fire safety engineering or comparable,

- You have very good knowledge of the German and English language,
- You are interested in conducting fire tests and have experience in using simulation programs,
- You are flexible, can perform under pressure and work well in a team,
- You are aiming for a doctorate.

What we offer

- Work on exciting future-oriented research topics in an inspiring work environment as part of the university community
- A vibrant campus life in an international atmosphere with lots of intercultural offers and international cooperations
- Pay in accordance with the collective agreement TV-L (a special payment at the end of the year as well as a supplementary benefit in the form of a company pension, comparable to a company pension in the private sector) including 30 days' vacation per year
- Advantage portal for employees of TU Braunschweig with attractive offers from strong brand
- Flexible working and part-time options and a family-friendly university culture, awarded the "Family-friendly university" audit since 2007
- Special continuing education programs for young scientists, a postdoc program, as well as other offerings from the Central Personnel Development Department and sports activities.

Application

We welcome applicants of all nationalities. At the same time, we encourage people with severe disabilities to apply. Applications from severely disabled persons will be given preference if they are equally qualified. Please attach a proof of disability to your application. We are also working on the fulfilment of the Central Equality Plan based on the Lower Saxony Equal Rights Act (Niedersächsisches Gleichberechtigungsgesetz—NGG) and strive to reduce under-representation in all areas and positions as defined by the NGG. Therefore, applications from women are particularly welcome in this case.

The personal data will be stored for the purpose of processing the application. By submitting your application, you agree that your data may be stored and processed electronically for application purposes in compliance with the provisions of data protection law. Further information on data protection can be found in our data protection regulations at <https://www.tu-braunschweig.de/datenschutzerklaerung-bewerbungen>.

Application costs cannot be reimbursed.

Questions and Answers

For more information, please contact Prof. Dr.-Ing. Jochen Zehfuß by Email brandschutz(at)ibmb.tu-bs.de or phone on +49 531 391-5590.

Deadline for applications is 09th March 2026

Are you interested? Please send your application preferably via email to brandschutz(at)ibmb.tu-bs.de

More information at <https://stellenticket.de/201402/TUB/>

Offer visible until 09/03/26

