

PhD position in the area of:

# Wood under dynamic load

The Institute for Building Materials, Solid Construction and Fire Protection (iBMB), Division of organic materials in construction at the TU Braunschweig in cooperation with the Fraunhofer WKI has a PhD position in the area of wood dynamics.

The specific areas include but are not limited to:

- Impact load of wood structural members
- Non-linear systems under earthquake load
- Shake-table experiments and development of analytical models of highly nonlinear systems
- Development of constitutive models of non-linear connections

## Required qualifications:

- Completed studies (MS degree or equivalent) in materials science, civil engineering or mechanical engineering
- Knowledge of wood as a material or engineered wood construction
- Self-motivation and desire to learn
- Ability to plan and conduct experiments
- Industry experience is a plus

The state-of-the-art equipment that includes a shake table, dynamic testing machines, data acquisition systems and laboratories for material analysis are available.

The successful candidate will become a part of a dynamic, highly motivated international team of scientists.

## Additional information and applications

The application including CV, Letter of intent and names and contacts of three references should be sent to Bo Kasal, PhD, P. Eng  
Professor and Head, Organic materials in construction  
kasalb@tu-bs.de

**Organic materials in construction:** <https://www.tu-braunschweig.de/ibmb/fachgebiete/fachgebiet-organische-baustoffe-und-holzwerkstoffe>

