Postdoctoral Researcher Position in Timber Engineering
Aalto University School of Engineering

Job Title: Postdoctoral Researcher Position in Timber Engineering
Department: Department of Civil Engineering
Institution: Aalto University School of Engineering
Helsinki, Finland

Date Posted: Aug. 14, 2020
Application Deadline: Sep. 10, 2020
Position Start Date: Autumn 2020
Job Categories: Post-Doc
Academic Field(s): Civil Engineering

Apply By Email

Job Description

The Department of Civil Engineering at the Aalto University is seeking to hire postdoctoral researcher in the area of timber engineering. Candidates in the early stage of their career (doctoral degree completed within the past two years) are preferred. Applications from Doctoral Students completing their studies during summer 2020 are welcome as well.

The successful candidate will perform research on numerical modelling of timber and engineered wood products. The research activities of the candidate should support and/or complement the current research topics of the research group of Wooden Structures (see the details below).

The research group provides strong support and academic freedom with possibilities for interdisciplinary collaboration, both internationally and within Aalto University. Teaching duties of the
position are about 10% of working hours and are related to Master's program. Opportunities for pedagogical studies are available. Possibilities for instructing Master’s Theses and advising Doctoral Dissertations are given.

Research Group

The postdoctoral position is located in the group for Wooden Structures at the Department of Civil Engineering. The group for Wooden Structures is a newly established research group. Main research areas are structural reliability in timber engineering, timber grading, further development of engineered wood products & structural solutions and assessment of wooden structures. For more general information of the research and teaching of the Department, go to https://www.aalto.fi/en/department-of-civil-engineering

Requirements

Applicants must have completed a doctoral degree in a related field (applications completing their studies during summer 2020 will also be considered) and show a publication record in top/leading journals. Fluent English, both written and spoken, is prerequisite. Programming experience with e.g. Matlab is preferable. Strong background in at least two of the following areas is required:

- FE modelling
- Structural mechanics
- Timber engineering
- Structural reliability
- Structural engineering

Contract and salary

The postdoctoral position is contract-based; one-year contract is granted first, followed by possible extensions of another one-year period depending on the achievements during the first contractual period.
Aalto University follows the salary system of Finnish universities. Applicants may also provide salary requirements. In addition to the salary, the contract includes occupational health care benefits, and Finland has a comprehensive social security system.

For more information

For further details, please contact Prof. Gerhard Fink, gerhard.fink@aalto.fi, tel +358 50 307 3090 and for further information regarding the recruitment process, contact HR Coordinator Ida Martikainen, ida.e.martikainen@aalto.fi

How to apply

The applications for the doctoral candidate position are to be submitted through our recruiting system no later than on the 10 of September 2020.

Required application documents (pdf files):

Motivation/application letter, including full contact information (max two A4 pages)
Curriculum vitae, including contact information for two references (max four A4 pages)
List of publications, highlighting the five most relevant ones
Research plan, indicating connections to the research focuses of the group (max two A4 pages)
Summary of the Doctoral Thesis, including article data in case of an article collection (max one A4 page)
Copy of DSc/PhD degree certificate
Transcript of records for MSc and DSc/PhD studies, including translations to English (if not originally provided in English, Finnish or Swedish)

All material should be submitted in English.

Aalto University reserves the right for justified reasons to leave the position open, to extend the application period and to consider candidates who have not submitted applications during the application period.
Contact Information

Please reference AcademicKeys in your cover letter when applying for or inquiring about this job announcement.

Contact
Prof. Gerhard Fink
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Aalto University School of Engineering
Helsinki
Finland

Contact E-mail
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