

Consideration regarding the position as Associate professor in Timber Engineering

The Faculty of Science and Technology (Fakultet for realfag og teknologi, REALTEK) invites applications for the full time position as Professor/Associate Professor in timber engineering.

Historical background

Established in 1859 as the Norwegian Agricultural Postgraduate College (Den høiere Landbruksskole paa Aas), it became a university-level university college (Norges landbrukshøgskole, NLH) in 1897 and received university status in 2005 and was named the University of Life Science (Universitetet for miljø- og biovitenskap, UMB). Only a few years later, in 2014 the university merged with the Norwegian School of Veterinary Science (NVH) in Oslo, and is today known as the Norwegian University of Life Sciences (Norges miljø- og biovitenskapelige universitet, NMBU). Having a history since 1859, it is the second oldest institution of higher education in Norway, after the University of Oslo. It is also the only educational institution in Norway to provide veterinary education.

NMBU currently has seven faculties, 1700 employees and 5100 students, and is currently located on two campuses – Ås, about 30 km south of Oslo, and Adamstuen in Oslo. The Faculty of Science and Technology (Fakultet for realfag og teknologi, REALTEK) has about 130 employees and 1100 students, and offers graduate and post-graduate education (Master of Technology / MSc and PhD) within a number of engineering fields.

Further information about NMBU is available on www.nmbu.no

Teaching responsibility

Architects and engineers who were specialists in agricultural buildings were involved in teaching since when the Norges landbrukshøgskole (NLH) was established. The Faculty of Science and Technology - REALTEK at NMBU is responsible for the civil engineering program, active since the end of the 1980s / early 90s. The building section of REALTEK consists of a team of ten professors and teachers in construction, building physics and architecture, and a variable number of PhD and Ms students, working in a favorable context for interdisciplinary collaboration within both teaching and research.

The main tasks will be classroom teaching in addition to tutoring students towards the M. Sc. Degree in Structural Engineering/ Building Technology, advising scholarship funded postgraduate students towards doctoral degrees, scientific research and general outward communication within the field of structural engineering/building technology. The intention is to primarily focus upon timber engineering and the advancement of the general application of wood in structures, but also other more general competences in structural analysis and design are required.

Research responsibility

Global challenges regarding energy and climate change, the environment, health, food safety, technology and renewable solutions, use and conservation of land and natural resources, and development of the bio-economy, requires greater effort. NMBU is well equipped to conduct further research in these fields. NMBU's expertise spans entire value chains and includes both basic and applied research.

The use of timber as a construction material dates back to ancient history, the use of new engineered wood materials like glued laminated timber beams (glulam) and cross laminated timber panels (CLT) has hugely increased in the last decade in Europe and in Norway. In this “timber renaissance” NMBU is aiming to play a flagship role in Norway in teaching and research.

The construction group is looking for an Associate Professor with research experience in modelling and testing mechanical components in structures, with special regard to timber elements. The candidate shall demonstrate competence and motivation in developing relevant research activities, and will be encouraged in the effort of attract research funding, also in cooperation with Norwegian Wood industry.