



Position profile – Professor in Wood Building Architecture

Welcome to Linnaeus University! Here we make people grow.

We are an international university in Småland – together we set knowledge in motion for a sustainable societal development.

The Department of Building Technology is part of the faculty of technology at Linnaeus University and has extensive collaboration with business partners in research and education. The department works together with neighboring departments – *Forestry and Wood Technology, Built Environment and Energy Technology and Mechanical Engineering* – for a creative environment with challenging educations and outstanding research.

This professorship position is funded through and part of a long-term collaboration among Södra (Sweden's largest forest-owner industry group), IKEA and Linnaeus University, the objective of which is to develop and enhance competence, knowledge and education. The Knowledge Foundation will co-finance the position during the first 4 years. The collaboration, based on innovation and proximity, brings with it a creative and dynamic exchange of knowledge and skills between academia and participating industries for the clear benefit of businesses, owners, customers, researchers/teachers, students and society. Our vision is to set knowledge in motion and develop high-quality research and study programmes for a student-centred sustainable social development.

Research in the field of building technology includes wood building technology, structural engineering, steel and concrete structures, building physics, ventilation technology, historic construction, maintenance and monitoring of structures, life cycle analysis, Computer aided design (CAD)/Building information modeling (BIM) and construction materials. The department currently offers a Bachelor's program in building technology, a Bachelor's program in Architectural Engineering and a two-year Master's program, the latter in Sustainable Structural Engineering. Recently, Linnaeus University was granted permission for offering five-year civil engineering educations and the department is currently developing such a program within the field of building technology. The current position of a professor in wood building architecture is an important part for the integration of the department's current research into a holistic approach including coupling of the structural design of timber buildings with architectural design and spatial design, as well as to the natural resource in our forests, which has the potential for creating a truly sustainable built environment.

An academic position at Linnaeus University means manifold opportunities for attractive research funding and collaborations with industry. The department's strengths include research and teaching in the above-mentioned fields, a well-equipped laboratory, many externally funded research projects and close collaboration with business partners in the building sector. This gives a professor in wood building architecture large possibilities for developing research and teaching in this area at Linnaeus University.

Field of subject for the appointment: Professor in Wood Building Architecture

Placement city: Linnaeus University, Växjö, Sweden

Scope of appointment: 100% permanent position

Job description

The professor will be working with teaching and supervision at the graduate level, as well as with research in the field of Wood Building Architecture. This field can relate to housing and residential architecture of wooden buildings as well as to the integration of wooden buildings in the spatial design of cities. Of particular interest for the department is the combination of the architectural research with technical research, as well as how the use of wood materials can have an impact on users' experience and well-being.

This position aims at establishing research collaboration with the Centre for Housing Architecture at Chalmers University. The professor will be representing Linnaeus University in a joint research project, which aims at studying the relationship between wood houses and social elements such as aesthetics, health and well-being, and at developing knowledge about conceptual design specifically adapted to wood buildings. The project will include joint supervision of doctoral students.

Regarding education, the recruited professor will be involved in the master's program *Sustainable Structural Engineering* for strengthening the program's focus on sustainability and design. The professor's expertise is particularly relevant for the course *Conceptual Structural Design* in which early stages of a building project are dealt with. At these stages, communication between structural designer and architect is crucial to ensure that intended functions of a building can be achieved. Similar aspects are of high importance in the development of a 5-year civil engineering education in building technology, where the professor is expected to contribute. A task with a longer perspective is to develop a master's program in Architectural Engineering based on the bachelor's program with the same name. Further tasks will be to apply for external research funding, as well as developing new and strengthening existing collaboration with other universities, with business partners and with the surrounding society. Administrative tasks related to the described tasks may also be included.

Required qualifications

In order to qualify for the position of a professor, applicants must have demonstrated both scientific and pedagogical skills (HF Chapter 4, Section 3).

According to Linnaeus University's employment regulations, it is a requirement for a position as a professor that the candidate has shown scientific skills through independent research according to current national standards both qualitatively and quantitatively, at a level that significantly exceeds requirements for an appointed associate professor. The requirements for the scientific skills also include demonstrated expertise in terms of planning and management of research. This applies to the management of research in collaboration with other researchers holding a doctoral degree, as well as to the supervision of doctoral students.

The pedagogical skills must have been demonstrated through teaching at both undergraduate and postgraduate level. Pedagogical skills must include planning, implementation and evaluation of teaching, as well as supervision and examination.

Further qualification requirements concern:

- Architect's degree or equivalent degree in a design profession;
- A doctoral degree in an area relevant to the position;
- Experience of collaboration with external partners and business partners;
- The ability to communicate well in both speech and writing in English.

Assessment criteria

The assessment criteria for appointment as professor are the degree of scientific and pedagogical skills. Equal importance shall be attached to the assessment of teaching expertise as to the assessment of scientific skills.

Additional selection criteria:

- Experience from professional activities in architecture, urban planning or spatial planning,
- Experience in supervision at the basic, advanced and postgraduate levels,
- Ability to obtain external funding for research,
- Administrative skills and leadership.
- Knowledge of Swedish is an advantage.

The expectation is that the applicant can teach in Swedish within a two-year period.

When the university appoints/employs new teachers and researchers, applicants are selected on the basis of a qualitative overall assessment of their competence and skill. The applicant judged to be the most suitable to carry out and develop the work and to contribute to the successful development of the field of interest will be selected.

Linnaeus University values the qualities that an even gender and age distribution as well as ethnic and cultural diversity add to the university.

For more information, please contact:

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