



Department of Civil Engineering (Off-Site Construction Research Centre): CERC in Sustainable Housing for Canadian Communities

Posted: May 16, 2022

Academic Employment Opportunity #21-48

UNB Fredericton

Closing Date: Positions will be posted for a minimum of 30 days with the possibility of extension until the positions are filled.

The University of New Brunswick's Department of Civil Engineering, in the Faculty of Engineering, invites applications for a Canada Excellence Research Chair in Sustainable Housing for Canadian Communities. This is a tenured appointment at the rank of Associate or Full Professor, commensurate with the candidate's qualifications and experience, with a maximum award value of \$500 thousand - \$1 million per year for 8 years. If awarded, the funding will support expenses related to compensation, as well as research activities for the chairholder, the core team of the chairholder, and up to 25% of the indirect costs of the research.

This position has an anticipated start date of July 1, 2023, or such other date as may be negotiated with the successful applicant, pending a successful CERC nomination. The position will be posted for a minimum of 30 days. Review of applications will continue until the position is filled.

Per the University of New Brunswick's regulations, the applicant must have a PhD in a discipline relevant to the focus of the research Chair. These disciplines may include, but are not limited to: Building Science, Architecture, Construction, and Sustainability. We seek applicants with a demonstrated record of research excellence who apply their interdisciplinary knowledge to problems in the housing industry.

The Chair will leverage the CERC support to establish an externally funded research program at the University of New Brunswick to address questions related to building science in housing in remote, rural, and vulnerable communities. The Chair's research on problems related to sustainable housing for Canadian communities may include, but is not limited to: innovative building materials, building science, off-site construction solutions, reuse of buildings, circular economy, material supply chains, and building policies and standards.

The Chair will attract, develop, and retain excellent students (at the undergraduate and graduate Master's and Doctorate levels) and other trainees. The Chair is expected to contribute to teaching and to departmental and university service at a reduced rate from that of regular faculty members. Candidates should have demonstrated excellence in teaching, including at the undergraduate level, and a commitment to an inclusive learning environment for all students.

Canada Excellence Research Chairs are for outstanding researchers acknowledged by their peers as world leaders in their fields. The University of New Brunswick recognizes the legitimate impact that leaves (e.g., parental, illness) can have on a candidate's record of research achievement. Leaves will be taken into careful consideration during the assessment process. Please consult the Canada Excellence Research Chairs website for full program information, including further details on eligibility criteria.

The University of New Brunswick particularly encourages applications from individuals who identify within equity-deserving groups, including: women, racialized people, people with disabilities, Indigenous people, and individuals from the LGBTQIA2S+ community.

The University of New Brunswick has been nurturing discovery and innovation for over 200 years. The Fredericton campus, in the capital city of New Brunswick, delivered the first lecture in civil engineering in Canada in 1854. The Faculty of Engineering offers 4-year bachelor's degrees in civil engineering, chemical engineering, electrical engineering, geomatics engineering, geological engineering, mechanical engineering, and software engineering. The Faculty also offers research-based graduate degrees at the Master's and Doctorate levels in various areas within the core engineering departments.

The Department of Civil Engineering has 15 faculty members with research expertise in fields of civil engineering including construction engineering and management, water and environmental, geotechnical, materials, structural, and transportation. Additionally, the Department of Civil Engineering is home to the Off-site Construction Research Centre which has additional researchers and staff focused on applied research through the triple helix model of industry, government, and academia. The Department of Civil Engineering and Off-site Construction Research Centre are putting increased emphasis on the profession's and the construction industry's impacts on society and are engaged with the Department of Sociology to work on collaborative research and education offerings. For more information, visit the department website: <https://www.unb.ca/fredericton/engineering/depts/civil/index.html> and centre website: <https://www.unb.ca/ocrc/>. The Department of Civil Engineering and Off-site Construction Research Centre have many well-established working partnerships with both public and private entities in the architectural, engineering and construction industry, as well as regional, national, and international research partnerships that provide many opportunities for collaboration.

Applications should be emailed to the attention of Dr. Jeff H. Rankin, Chair of the Department of Civil Engineering, at civileng@unb.ca. Include a cover letter, your CV, statements of research and teaching interests, and three academic references with their contact information. Contact Dr. Zhen Lei (zhen.lei@unb.ca, 506-458-7613) or Brandon Searle (brandon.searle@unb.ca, 506-470-8031) for more information about the position and about the Department of Civil Engineering and the Off-site Construction Research Centre. All qualified individuals are encouraged to apply. Applicants should indicate current citizenship status. The offer of an appointment is conditional upon a successful outcome of the CERC nomination.

The University of New Brunswick ensures that employment opportunities are accessible to all applicants. To request accommodations at any stage in the recruitment and hiring process, please contact the University's Recruitment & Employee Experience Specialist at 506-453-4648 or people@unb.ca.

Short-listed candidates will be required to provide satisfactory proof of credentials including appropriately certified translations of credentials into English, as applicable.

The University of New Brunswick is committed to fostering diversity within our community and developing an inclusive workplace that reflects the richness of the broader community that we serve. The University welcomes and encourages applications from all candidates who will help us achieve our goals, including women, visible minorities, Indigenous peoples, persons with disabilities, persons of any sexual orientation, gender identity or gender expression. We recognize that career paths are not always linear, particularly for individuals from marginalized groups, and we encourage applicants to explain the impact any career interruptions may have had on their research history. Preference will be given to Canadian citizens and permanent residents of Canada.