Canada Research Chair (Tier II), Integrating Indigenous Knowledge and Sustainable Engineering, Schulich School of Engineering

The **Centre for Environmental Engineering Research and Education** (CEERE) in the Schulich School of Engineering at the University of Calgary invites national and international applications for a **Tier II Canada Research Chair (CRC) in Integrating Indigenous Knowledge and Sustainable Engineering**. CEERE is focused on the development and growth of multidisciplinary research and education programs in Environmental Engineering and Energy and Environment with a mandate to bring together learners, educators, researchers and industry participants to benefit from a team-based approach for tackling current and future environmental challenges in Alberta, Canada and worldwide.

Depending on qualifications and experience, the Chair will be appointed at the rank of **Assistant Professor** (tenure-track) or **Associate Professor** (with tenure). An appointment at the rank of Assistant Professor requires the completion of a PhD, evidence of successful teaching ability or professional experience, with evidence of appropriate research or professional activity beyond that involved in the completion of academic or professional training.

Appointment to the rank of Associate Professor with tenure, in addition to the completion of a PhD, requires evidence of teaching effectiveness, recognized research attainment or equivalent professional attainment, and a satisfactory record of service. In alignment with the University of Calgary's Eyes High strategic vision and in support of its strategic academic and research priorities of leadership, teaching and research integration, and creating a dynamic environment to promote research excellence, the Chair will actively contribute to research, teaching and curriculum development, and student/postdoc supervision, and is in time expected to grow into a leadership role within the Centre and the institution.

Tier II Chairs are intended for exceptional emerging scholars (i.e., candidates must have been an active researcher in their field for fewer than 10 years from the time of their PhD at the time of nomination). Candidates who are more than 10 years from having earned their highest degree and who have had career breaks, such as maternity, parental, or extended sick leave, clinical training, etc., may have their eligibility for a Tier II Chair assessed through the program's Tier II justification process. Please contact University of Calgary's Office of Research Services for more information: ipd@ucalgary.ca. Further information about the Canada Research Chairs Program can be found on the Government of Canada's CRC website, including eligibility criteria.

It is expected that the successful candidate will establish a strong research program in the area of Integrating Indigenous Knowledge and Sustainable Engineering with the potential to achieve international recognition in the next five to ten years, have the ability to attract external funding to support research activities, and be able to attract excellent trainees, students, and future researchers. A demonstrated ability to develop and teach a range of undergraduate and graduate courses on topics related to the Chair position is required, and candidates must be eligible for registration as a professional engineer with the Association of Professional Engineers and Geoscientists of Alberta (APEGA).

The successful candidate will be an emerging scholar with an original, creative, innovative and culturally-grounded research program, with demonstrated excellence in novel design, techniques, systems and management of engineering that integrate traditional Indigenous knowledge. It is anticipated the successful candidate will have expertise in applying Indigenous knowledge and methodologies in the design and application of sustainable engineering systems, such as new techniques for environmental monitoring, low carbon and renewable energy systems, water and wastewater management processes and/or sustainable buildings. The research in integrating indigenous knowledge into sustainable engineering will align with the goals of CEERE and from a disciplinary perspective, align with one of the five Departments within the Schulich School of Engineering. Applicants should have a record of successful partnerships and/or collaborations with Indigenous communities.

The University of Calgary has launched an institution-wide [Indigenous Strategy](#) in line with the foundational goals of *Eyes High*, committing to creating a rich, vibrant, and culturally competent campus that welcomes and supports Indigenous learners, encourages Indigenous community partnerships in research and academic programming, is inclusive of Indigenous perspectives in teaching and learning.

The successful candidate will benefit from a rich ecosystem, which includes world-class engineering scholars, a focus on social entrepreneurship and innovation, and a university community that supports indigenization of the whole campus.

For more information please visit the [Schulich School of Engineering](#), the [Indigenous Strategy](#), and [Canada Research Chairs](#).

The Schulich School of Engineering vision identifies three priority areas: research that makes a difference, committing to student success, and fostering diversity as described in our [Strategic Plan](#). Applicants are encouraged to describe their experience and vision in each of these categories through the requested documentation.

Interested individuals are encouraged to submit an application online via the 'Apply Now' link. Please be aware that the application process allows for only **four attachments**. Your four application attachments should be organized to containing the following (which may require you to merge documents, such as publications):

- Curriculum vitae, including the name and contact information of at least three referees
- Statement of research interests (not to exceed two pages)
- Statement of student learning and success (not to exceed two pages)
- Statement on equity, diversity and inclusion (not to exceed one page)

Questions may be addressed to:

Tim Hamilton
Phone: 403 410 6700
Email: thamilton@boyden.com

Applications will be accepted until April 16, 2018.

The University of Calgary recognizes that a diverse staff/faculty benefits and enriches the work, learning and research experiences of the entire campus and greater community. We are committed to removing barriers that

have been historically encountered by some people in our society. We strive to recruit individuals who will further enhance our diversity and will support their academic and professional success while they are here; in particular, we encourage members of the four designated groups (women, Indigenous people, persons with disabilities and members of visible minorities) to apply. All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. To ensure a fair and equitable assessment, we offer accommodation at any stage during the recruitment process to applicants with disabilities. Questions regarding diversity or requests for accommodation can be sent to Human Resources (hrhire@ucalgary.ca).

To learn more about academic opportunities at the University of Calgary and all we have to offer, view our **Academic Careers website**. For more information about the Schulich School of Engineering visit **Careers in the Schulich School of Engineering**.

About the University of Calgary

The University of Calgary is Canada's leading next-generation university – a living, growing and youthful institution that embraces change and opportunity with a can-do attitude. Located in the nation's most enterprising city, the university is making tremendous progress on its Eyes High journey to be recognized as one of Canada's top five research universities, grounded in innovative learning and teaching and fully integrated with the community it both serves and leads. The University of Calgary inspires and supports discovery, creativity and innovation across all disciplines. For more information, visit **ucalgary.ca**.

About Calgary, Alberta

Calgary is one of the world's cleanest cities and has been named one of the world's most livable cities for years. Calgary is a city of leaders - in business, community, philanthropy and volunteerism. Calgarians benefit from a growing number of world-class dining and cultural events and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the majestic Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.

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Closed: April 16, 2018