

## **Canada Research Chair (Tier II) and Assistant Professor, Renewable or Sustainable Energy Systems in Cold Climates**

The **Department of Mechanical and Manufacturing Engineering** in the **Schulich School of Engineering** at the **University of Calgary**, is pleased to invite national and international applications for a **Tier II Canada Research Chair (CRC) in the area of Renewable or Sustainable Energy Systems in Cold Climates**. The Chair will be appointed at the rank of **Assistant Professor (tenure-track)** in the Department of Mechanical and Manufacturing Engineering. The anticipated start date is July 1, 2023.

We are seeking an emerging scholar with an original and innovative research program related to Renewable or Sustainable Energy Systems in Cold Climates, who is forward-looking with accomplishments that indicate the potential to achieve international recognition and lead in their field within the next 5-10 years. The successful candidate will establish a strong and impactful research program at the University of Calgary in Renewable or Sustainable Energy Systems in Cold Climates. The research program should consider sustainability from not only the environmental perspective (particularly relative to net-zero targets) but also from economic, social and safety perspectives. They will attract competitive external funding to support their research activities and excellent trainees to develop into independent researchers. The successful candidate will also work within, and eventually lead, highly collaborative, interdisciplinary and transdisciplinary research teams involving academic and industry partners at sub-national, national and international levels.

To be eligible for consideration, candidates should hold a B.Sc. in Mechanical Engineering or other appropriate Engineering, Science, or other technical degree, and a Ph.D. or doctoral degree in Mechanical Engineering or a closely related discipline, a strong research record, and teaching experience. Industry experience and evidence of transdisciplinary research related to renewable or sustainable energy systems in cold climates would also be considered as major assets. The successful candidate should have strong oral and written English communication skills, and be eligible for registration as a professional engineer with the Association of Professional Engineers and Geoscientists of Alberta ([APEGA](#)).

The University of Calgary and the Department of Mechanical and Manufacturing Engineering within the Schulich School of Engineering, is globally recognized for energy research and scholarship. Leveraging its existing strengths, the University is embarking on a new strategic plan, [Framework for Growth](#), which emphasizes transdisciplinary scholarship, deeper community integration, and future-focused program delivery. The faculty's own Strategic Plan, [Catalyst for a Connected World](#), further focuses on three priorities: 1) Enhancing global research impact, 2) Expanding access to engineering, and 3) Enriching the student experience. In alignment with these strategic plans, and in support of its academic and research priorities, the Chair will actively contribute to research, graduate student and postdoctoral scholar supervision, and teaching at the undergraduate and graduate levels. The Chair will also provide service to the Department, School, University, community and profession; contribute to achieving equitable, diverse, inclusive and accessible employment practices, workplaces and learning environments; and add to the diversity of the collegial and vibrant academic community.

In accordance with the regulations set for Tier II Canada Research Chairs, applicants must have received their Ph.D. within the last 10 years and be an emerging world-class researcher. 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, and research interruptions due to the COVID-19 pandemic,

etc., may have their eligibility for a Tier II Chair assessed through the program's Tier II justification process. Please contact UCalgary's Office of Research Services for more information: [ipd@ucalgary.ca](mailto:ipd@ucalgary.ca). Further information about the Canada Research Chair Program, including eligibility criteria, can be found on the [Government of Canada's CRC website](#).

### **How to Apply**

Interested individuals are encouraged to submit an application online via the 'Apply Now' link. Applications should include:

- Cover letter and curriculum vitae, including the name and contact information of three referees
- Statement of research interests, accomplishments as they relate to this position, and vision for the position (maximum 2 pages). This should include a 5-year plan for the position including possible funding sources, resources required, and potential collaborations
- Statement on equity, diversity and inclusion (EDI) (maximum 2 pages). This should include approaches that will be taken to incorporate EDI in research and scholarship activities, as well as in teaching and learning activities inside and outside the classroom. It could also include approaches to working with a culturally diverse and international student body. Past contributions to EDI may also be described.
- Statement of teaching philosophy that promotes learning and success (maximum 2 pages). This can include information on teaching experience, training, and mentoring inside and outside the classroom at the undergraduate, graduate and postdoctoral levels.
- Any applicant that submits a statement that is longer than the page limit will be excluded from consideration. These documents should conform to the NSERC document formatting standards.

[\[link\]](#)

**Applications will be accepted until November 25, 2022**

### **Questions may be addressed to:**

Dr. Philip Egberts

Acting Head, Department of Mechanical and Manufacturing Engineering

Email: [pgsegber@ucalgary.ca](mailto:pgsegber@ucalgary.ca)

The University of Calgary recognizes that candidates have varying career paths and that career interruptions can be part of an excellent academic record. Candidates are encouraged but not required to provide any relevant information about their experience and/or career interruptions to allow for a fair assessment of their application. Selection committees have been instructed to give careful consideration to, and be sensitive to, the impact of career interruptions when assessing the candidate's research productivity.

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 Peoples, encourages Indigenous community partnerships, is inclusive of Indigenous perspectives in all that we do.

*As an equitable and inclusive employer, 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 designated groups (women, Indigenous peoples, persons with disabilities, members of visible/racialized minorities, and diverse sexual orientation and gender identities) to apply. To ensure a fair and equitable assessment, we offer accommodation at any stage during the recruitment process to applicants with disabilities. Questions regarding [diversity] EDI at UCalgary can be sent to the [Office of Equity, Diversity and Inclusion \(equity@ucalgary.ca\)](#) and requests for accommodations can be sent to Human Resources ([hrhire@ucalgary.ca](#)).*

*All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. In this connection, at the time of your application, please answer the following question: Are you a Canadian citizen or a permanent resident of Canada? (Yes/No)*

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 visit **Careers in the Schulich School of Engineering**.

The University strongly recommends all faculty and staff are fully vaccinated against COVID-19.

### **About the University of Calgary**

The location of the University of Calgary has the traditional Blackfoot name of “Mohkinstsis”, which we now call the City of Calgary. Calgary is home for the traditional territories of the Blackfoot and the people of the Treaty 7 region in Southern Alberta and the Metis Nation of Alberta, Region III.

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.

Posting Date: October 13, 2022

Closing Date: November 25, 2022