



UNIVERSITY OF
CALGARY

Canada Research Chair (Tier I) in Environmental Prediction Systems for Water Sustainability

The **Department of Civil Engineering** in the **Schulich School of Engineering** at the **University of Calgary** invites applications for a **Tier I Canada Research Chair (CRC) in Environmental Prediction Systems for Water Sustainability**. The Chair will be appointed at the rank of **Professor (with tenure)**, they will bring a proven academic record of research excellence, impact and leadership. A successful candidate at the Full Professor level will demonstrate evidence of an outstanding track record of scholarly publications in high quality journals, evidence of securing ongoing external research funding, effectiveness in teaching, and evidence of excellent graduate student supervision. Evidence of established academic collaborations and engagement in professional and other communities is required.

The successful applicant will align with the University of Calgary's Framework for Growth and support its strategic academic and research priorities of transdisciplinary scholarship, future-focused program delivery, and deeper community integration. The Chair will actively engage in university-wide transdisciplinary initiatives around water, such as [One-Health](#), and will have a clear vision for research leadership that includes enhancing water related issues in Indigenous communities in alignment with [ii'taa'poh'to'p](#). The Chair will actively contribute to research, teaching and curriculum development and student/postdoc supervision. It is expected they will take a leadership role within the Department, School and the University. Service to the University, profession and community is expected. As a member and leader of the university community, the Chair will support, and contribute to, equity, diversity and inclusion and foster a positive working and learning environment.

It is expected that the successful candidate will already possess a high-impact research program and will be a recognized international leader in the area of Environmental Prediction Systems for Water Sustainability as evidenced by high-quality scholarly output and research impact that demonstrates research leadership leading to peer-evaluated publications, securing of external research funding, active engagement with industry or equivalent stakeholders, and a track record of supervising and mentoring research students and personnel. A demonstrated ability to teach undergraduate and graduate courses on topics related to sustainable, environmental and/or water resource engineering is required. To be eligible for consideration candidates must hold a B.Sc. in Civil or Environmental Engineering (or equivalent degree) and a Ph.D. in Engineering or a closely related discipline. Candidates should be eligible to apply for registration as a professional engineer with the Association of Professional Engineers and Geoscientists of Alberta ([APEGA](#)).

The mandate of the Chair will be to lead transformative research at the University of Calgary through integrating water and ecosystem prediction systems.

The Chair holder's research will have a focus in one or more of the following areas with relevance to a water sustainability:

1. Advancing process-based environmental modelling;
2. Integrating environmental prediction systems across disciplines; and/or
3. Risk-based decision making and communication.

The Chair will benefit from a rich ecosystem, which includes world-class engineering scholars, a focus on entrepreneurship and innovation, a strong indigenous strategy, and a university community that supports transdisciplinary research, partnerships and collaborations, and research and education excellence.

The Chair holder will also have a unique opportunity to engage with Advancing Canadian Wastewater Assets ([ACWA](#)). ACWA is an innovative partnership between the University of Calgary and the City of Calgary, as part of the Urban Alliance. Its goal is to advance water treatment technologies to address environmental and human health issues.

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

Interested individuals are encouraged to apply online via the ‘Apply Now’ link by sharing the following:

- Cover letter and curriculum vitae, including the names and contact information of three referees
- Statement of research vision and leadership as a CRC Chair (3 pages)
- Statement of teaching philosophy (2 pages)
- Statement on equity, diversity and inclusion (2 pages)

The successful candidate will be appointed initially to a Schulich Chair appointment during the development of the Canada Research Chair nomination package.

Applications will be accepted until March 29, 2023

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 \(equity@ucalgary.ca\)](mailto: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

Located in Canada's most enterprising city, the traditional territory of the peoples of Treaty 7 and Region 3 of the Métis Nation of Alberta, the University of Calgary (UCalgary) is a global and innovative intellectual hub for teaching and learning, research and scholarship, and community engagement. UCalgary ranks fifth among Canada's top research universities in Research Infosource Inc.'s latest Top 50 Research Universities list released on Jan. 25, 2022. [UCalgary is the youngest university to have reached the top five.](#)

UCalgary has more than 6,500 graduate students and 28,500 undergraduate students, more than 1,800 academic staff (continuing, contingent term or limited term appointment), more than 1,300 sessionals, and more than 3,200 non-academic staff, in 14 Faculties, across five campuses. The vibrant and research-intensive environment at UCalgary is home to 146 research chairs (75 Canada Research Chairs), and more than 50 research institutes and centres. UCalgary has the fastest growth rate in attracting research funding among the 10 largest universities in Canada.

The university's new Framework for Growth establishes principles and focus areas for the University of Calgary over the coming decade. It will ignite our entrepreneurial spirit to turn challenges into opportunities to improve the world around us. It will help to meet our academic and research ambitions and strengthen our community engagement in one of Canada's most diverse cities, whose exciting future is unfolding rapidly, and where scientific disciplines will play a major role. Built around three big ideas (transdisciplinary scholarship, integration with our community and future-focused program delivery), the Framework will distinguish the university and drive growth.

To learn more about this vision please see: <https://www.ucalgary.ca/president/growth>

About Calgary, Alberta

Calgary has been named one of the world's most livable cities, has been ranked one of the most sustainable cities in the world, and is the third most diverse in Canada. 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: February 15, 2023

Closing Date: March 29, 2023