Canada Research Chair (Tier 1) in Fluid Waste Processing

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Canada Research Chair (Tier 1) in Fluid Waste Processing

The Department of Civil, Geological, and Environmental Engineering in the College of Engineering at the University of Saskatchewan is pleased to invite applications for a Tier 1 Canada Research Chair in Fluid Waste Processing. This opportunity is restricted to individuals who identify as a member of a racialized minority. The Canada Research Chair (CRC) Program is the flagship of a national strategy to make Canada one of the world's top countries in research and development (***www.chairs-chaires.gc.ca*** **(http://www.chairs-chaires.gc.ca/)**).

The Canada Research Chair in Fluid Waste Processing will lead an innovative research program focused on value-added products and/or processes, thereby complementing and bridging areas of

existing strength in the College of Engineering and university. The candidate will have exceptional research and collaborative skills enabling them to lead and facilitate research in this field.

The University of Saskatchewan ranks fourth in the world in water research and, through the College of Engineering and College of Agriculture and Bioresources, has established globally-recognized capacity in bioprocessing research and development. The successful candidate will join a thriving multi-disciplinary team with expertise that ranges from the removal of emerging contaminants from water and wastewater, bioremediation of contaminated soils and groundwater, mine waste valorization, to the development of biofuels from agricultural and other biological residues and the value-added production of biomaterials, biochemicals, and nanocomposites. The University is home to the **Global Institute for Water Security (https://water.usask.ca/)**, the **School of Environment and Sustainability (https://sens.usask.ca/)**, the **Toxicology Centre (https://toxicology.usask.ca/)** and the **Canadian Light Source (https://www.lightsource.ca/)**—Canada's only synchrotron —providing a rich environment for collaboration. USask has identified water security, food security and one health as **signature areas (https://research.usask.ca/about/signature-areas-of-research.php)** of research strength and promise.

The successful candidate will initiate, lead and collaborate in research activities; supervise graduate students and other highly qualified personnel; compete successfully for external research funding; teach undergraduate and graduate courses; and undertake relevant administrative activities.

The University of Saskatchewan is one of Canada's top 15 research-intensive universities. Its main campus is situated on Treaty 6 Territory and the Homeland of the Métis. The University of Saskatchewan is located in Saskatoon, Saskatchewan, a city on the banks of the South Saskatchewan River known for its quality of life, diverse and thriving economic base, a vibrant arts community and a full range of leisure opportunities. The University has a reputation for excellence in teaching, research and scholarly activities and offers a full range of undergraduate, graduate, and professional programs to a student population of over 25,000.

Qualifications

The successful candidate must hold a PhD in a related field and must be qualified to successfully pursue professional registration status with the Association of Professional Engineers and Geoscientists of Saskatchewan as P.Eng. or Engineering Licensee (or already be licensed). Ideally, the candidate would have a Bachelor's degree in engineering. Candidates must also have a track record of outstanding and innovative world-class research accomplishments in fluid waste processing, with applications that have made a significant impact. They must be recognized internationally as a leader in their field with a demonstrated ability to propose an original, innovative research program of the highest quality, and to attract significant external financial support. In addition, they will have a superior record of attracting and mentoring excellent highly qualified personnel (HQP). Preferably, they will have received recognition as an outstanding supervisor of HQP who are in high demand in their field. An outstanding publication record is required, with papers appearing in top-tier journals in the field. Demonstrated strong past and ongoing industrial collaborations would be beneficial.

The successful candidate will have demonstrated proficiency in teaching undergraduate and/or graduate courses at a recognized post-secondary institution. The ideal candidate will have experience developing undergraduate and graduate courses. Evidence of teaching awards would be an asset.

The successful candidate must effectively communicate in English (oral and written) and ideally be able to demonstrate excellence in written and oral English communication. They will have demonstrated success in a leadership role at the institutional level, while the ideal candidate will have success at the national and/or international level. This individual must provide evidence of the ability to build collaborative teams of researchers with the ideal person showing success in building multi- and trans-disciplinary teams within and across institutions. In addition, the candidate should be able to display their effort in ensuring diversity and inclusion within their research group and in other teamwork situations. Tier 1 Chairs are outstanding and innovative world-class researchers whose accomplishments have had a major impact in their field and are recognized internationally as leaders in their field.

The successful applicant will be asked to prepare the Tier 1 CRC proposal with the assistance of USask and, if successful, will subsequently be appointed as a tenured faculty member at the associate or full professor level. The CRC nomination is subject to review and final approval by the Canada Research Chairs Program. The faculty appointment is conditional on approval of the CRC.

The standard salary bands for this position for the 2022-2023 academic year are as follows: Assistant Professor: $99,945 - $120,099; Associate Professor: $120,099 - $140,253; Professor: $140,253 - $163,766 with the possibility of merit-based additions. A chair stipend is also provided. This position includes a comprehensive benefits package which consists of a dental, health and extended vision care plan; a pension plan, life insurance (compulsory and voluntary), academic long-term disability, sick leave, travel insurance and death benefits; an employee assistance program; a professional expense allowance; and a flexible health and wellness spending program.

How to Apply

Interested candidates must submit their application using the University's online application portal. Complete applications will include a curriculum vitae, a research statement describing their vision for the CRC program (3 pages max.), a teaching statement (2 pages max.), and the names and contact information of three references. As part of the application process, applicants will be asked to complete a voluntary employment equity survey.

Review of applications will begin immediately; however, applications will be accepted and evaluated until the position is filled. The anticipated start date is July 1, 2024.

The impact of leaves (e.g., parental leave, extended leave due to illness, etc.) will be carefully considered when reviewing the candidate's record of research achievement. Therefore, candidates are encouraged to explain in their application how career interruptions may have impacted them. The University of Saskatchewan is committed to supporting employees in need of accommodation in an employment context. For more information on the University of Saskatchewan's accommodation policy, please contact Abdur Rehman Ahmad, Talent & EDI Consultant, **abdur.ahmad@usask.ca (mailto:abdur.ahmad@usask.ca)**.

The University of Saskatchewan is committed to employment equity, diversity, and inclusion in its faculty complement and is proud to support career opportunities that address the under representation of members of the Four Designated Groups (FDGs) defined under the Employment

Equity Act among chair allocations. In consideration of the University's strategic directions and to achieve the EDI targets and goals of USask's action plan and as established by the CRC Secretariat, this position is **restricted to individuals who self-identify as a member of a racialized minority**. The University of Saskatchewan relies on section 56 of The Saskatchewan Human Rights Code to give this preference in employment. All qualified candidates, both Canadians and other nationalities, are encouraged to apply. Recruitment will be guided by the Canada Research Chairs Equity, Diversity and Inclusion Practices *(**www.chairs-chaires.gc.ca/program-programme/equity-equite/index-eng.aspx*** **(http://www.chairs-chaires.gc.ca/program-programme/equity-equite/index-eng.aspx)**)* and by the strong commitment of the University of Saskatchewan and the College of Engineering to diversity, inclusion, and equity.

For questions related to this position or the selection process, please contact Dr. Leon Wegner, Head, at **cgee.recruitment@usask.ca (mailto:cgee.recruitment@usask.ca)** or (306) 966-5336.

Department: Civil & Geological Engineering
Posted Date: 5/12/2023

Please review the University of Saskatchewan's **health and safety requirements (https://covid19.usask.ca/index.php)** for faculty, staff and students in consideration of the COVID-19 pandemic.

The University is committed to employment equity, diversity, and inclusion, and are proud to support career opportunities for Indigenous peoples to reflect the community we serve. We are dedicated to recruiting individuals who will enrich our work and learning environments. All qualified candidates are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadian citizens and permanent residents will be given priority. We are committed to providing accommodations to those with a disability or medical necessity. If you require an accommodation to participate in the recruitment process, please notify us and we will work together on the accommodation request. We continue to grow our partnerships with Indigenous communities across the province, nationally, and internationally and value the unique perspective that Indigenous employees provide to strengthen these relationships. Verification of Indigenous Membership/Citizenship at the University of Saskatchewan is led and determined by the **deybwewin | taapwaywin | tapwewin: Indigenous Truth policy (https://indigenous.usask.ca/indigenous-initiatives/deybwewin-taapwaywin-tapwewin.php)** and Standing Committee in accordance with the processes developed to enact the policy. Successful candidates that assert Indigenous membership/citizenship will be asked to complete the verification process of Indigenous membership/citizenship with documentation. The University of Saskatchewan's main campus is situated on Treaty 6 Territory and the Homeland of the Métis. We pay our respects to the First Nations and Métis ancestors of this place and reaffirm our relationship with one another. Together, we are uplifting Indigenization to a place of prominence at the University of Saskatchewan.

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