

Canada Research Chair Tier 2 in Water and Wastewater Technology

Position Details

Position Title	Canada Research Chair Tier 2 in Water and Wastewater Technology
Posting Number	F246P
Type of position	Tenure Stream
Department/Unit	Civil & Resource Engineering
Location	Halifax

About the opportunity The Faculty of Engineering at Dalhousie University invites applications for a Tier 2 Canada Research Chair (CRC) in "Water and Wastewater Technology" to be held in the Department of Civil and Resource Engineering and working closely with the Centre for Water Resources Studies (CWRS). The appointment will be a tenure stream position at the rank of Assistant or Associate Professor with an anticipated start date of May 1, 2023. The successful candidate is expected to conduct research and supervise graduate students in the Civil and Environmental areas, and to develop, lead and grow a strong, externally-funded research program.

While applications in the area of water and wastewater technologies will be considered, preference will be given to candidates who have demonstrated qualifications and experience in wastewater treatment. The CWRS has long-standing partnerships in Nova Scotia with many stakeholders including Halifax Water, NS Environment, and many private industries. Accordingly, the ideal candidate will have demonstrated experience in managing complex water research projects in the lab, at the pilot-scale, and at full-scale water and wastewater systems. The successful candidate should have demonstrated ability to work with stakeholders and industry partners. The candidate will be expected to secure funding from granting agencies such as NSERC to further build the program. Demonstrated success in securing peer-reviewed grant funding will be an asset. Given the growing field of wastewater surveillance, experience in monitoring wastewater for COVID-19 or other health-related issues will be a valuable asset.

Over the past 10-15 years, the Department of Civil and Resource Engineering and the CWRS have established an international reputation for leading water research. The ideal candidate will be expected to build on this reputation and to develop a new area in the field of wastewater treatment, management and surveillance. Over the course of the CRC, the candidate will collaborate locally, nationally, and internationally with leading engineers and scientists to tackle this global challenge. Accordingly, it is anticipated that the research initiated out of this program will address a regional need but have broad global impact and directly address SDG 6: Clean Water & Sanitation; SDG 11: Sustainable Cities and Communities; and SDG 14: Life Under Water.

The candidate will be a key team player in the CWRS that currently hosts NSERC Industrial Research, Canada Research Chairs and a NSERC CREATE program and annually boasts more than \$2.0M in research expenditures as a cluster of faculty members. The CWRS community would work with the candidate through academic mentorship, active collaboration and participation in new and existing research activities. The CWRS community is networked across many professional and academic organizations including: the Atlantic Canada Water & Wastewater Association, the Canadian Water Network, the International Water Association, etc.

The CRC program was established by the Canadian Federal Government with the purpose of attracting outstanding researchers to the Canadian university system. Tier 2 Chairs are intended for exceptional emerging scholars (i.e., the candidate must have been an active researcher in their field for fewer than 10 years at the time of nomination). Applicants who are more than 10 years from their highest degree and where career breaks exist (including maternity leave, extended sick leave, etc.) may have their eligibility for a CRC Tier 2 assessed. Please contact the research grants office and see the CRC website (<http://www.chairs.gc.ca>) for more information on eligibility.

Dalhousie recognizes that career paths can be diverse and that career interruptions may occur. Applicants are encouraged to include, in their cover letter, an explanation of the impact that any career interruptions may have had on their record of research achievement.

Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness. In keeping with the principles of employment equity and the CRC program's equity targets, and with an aim to increase the representation of women in Engineering, this position is restricted to candidates who self-identify as women. All such, qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Dalhousie University recognizes its obligation to accommodate candidates in order to ensure full, fair, and equitable participation in the hiring process. Our complete Accommodation Policy can be viewed online at: <http://www.dal.ca/policies>. For information on the position or to request accommodation at any stage of the hiring process, please contact Mrs. Shelley Parker at shelley.parker@dal.ca.

Dalhousie is the leading graduate and research university of Atlantic Canada, with more than 19,000 students, including 3500 in graduate programs, from 115 countries. It is located in Halifax – the major center in the scenic Atlantic region and a city widely known for its high quality of life. Further information about the Faculty and the university can be obtained at www.dal.ca/Engineering.

Persons wishing to be considered for this position should apply at <https://dal.peopleadmin.ca/postings/7413>. Complete applications will include a cover letter, detailed curriculum vitae, a two-page summary of the

candidate's proposed research program with reference to the CRC program, a statement of teaching interests and philosophies and the names and contact information of three confidential referees. The posting will close on December 31, 2021.

Open Date	09/28/2021
Close Date	12/31/2021
Open Until Filled	No
Quick Link for Direct Access to Posting	http://dal.peopleadmin.ca/postings/7413

Documents Needed to Apply

Required Documents

1. Résumé / Curriculum Vitae (CV)
2. Cover Letter
3. Teaching Statement
4. Research Statement
5. List of referees

Optional Documents