DALHOUSIE UNIVERSITY

Canada Research Chair – Tier II

Environmental Engineering for Marine and Coastal Resource Management

The Department of Civil and Resource Engineering invites applications for a Tier II Canada Research Chair in the area of Coastal Resource Management. The appointment will be made at the rank of Assistant or Associate Professor (probationary tenure-track) with an anticipated starting date for the appointment of July 1, 2017, or as negotiated.

The Department of Civil and Resource Engineering, in collaboration with Dalhousie's Centre for Water Resources Studies (CWRS), has research strength in the area of drinking water quality, watershed management, waste management and water treatment technologies. The Canada Research Chair will be a faculty member within the department as well as an integral member of CWRS. The Chair will be expected to develop world-class expertise in areas that interface with the existing research strength of CWRS and ocean engineering, such as: marine ballast water treatment; coastal erosion and protection; marine and coastal hydraulics; contaminant transport in marine and estuary environments; estuary reclamation; subsea mining as is relates to water quality/control in marine environments; environmental effects monitoring and risk management in marine environments and coastal communities; wastewater treatment and risk management in coastal communities; marine wetland management/remediation; managing drinking water safety for coastal communities; saltwater intrusion of groundwater resources; desalination treatment; and/or climate change impacts on water resources in coastal communities. Dalhousie has significant institutional research strength in Ocean and Marine Studies and it is anticipated that the successful candidate will conduct collaborative research that draws on this strength.

Applicants must have a well-established research record and demonstrated ability to conduct independent scholarly research. The Chair will teach both undergraduate and graduate courses, develop graduate level courses, and support Department and CWRS initiatives. The Chair will be expected to establish a strong, externally-funded research program, supervise graduate student research, and foster existing and new collaborations with government and industry as well as collaborate with members of Dalhousie's research community. Applicants must have earned a PhD in Civil Engineering, Environmental Engineering or a related field, and must be registered professional engineers in Canada, or be eligible and committed to registration in Nova Scotia.

Details of the CRC program can be found at http://www.chairs.gc.ca. Tier II nominees should be excellent emerging researchers who have demonstrated particular research creativity and have demonstrated the potential to achieve international recognition in their fields in the next five to ten years. They should also be proposing an original, innovative research program of high quality with the potential to attract excellent trainees, students and future researchers.

Interested individuals should submit a single PDF file containing a letter of Application, a CV, a statement of teaching and research interests, and a completed Self-ID questionnaire, which is available at www.dal.ca/becounted/selfid to: Chair of the Search Committee, Department of Civil and Resource Engineering – email: civil.office@dal.ca. Three letters of reference should be sent directly by referees to the same e-mail address. The review process will commence on December 1, 2016 and continue until a candidate has been selected.

Dalhousie University is recognized internationally for our world-class academic programs and as one of Canada's leading research institutions. With our 200th anniversary on the horizon in 2018, Dalhousie welcomes talented scholars to our home by the ocean and to join our mission to make a lasting impact through the discovery, advancement and sharing of knowledge.

Dalhousie is also home to the headquarters of the Ocean Frontier Institute (OFI; www.dal.ca/ofi). As an international hub for ocean science focused on the Northwest Atlantic and Canada's Arctic gateway, OFI will bring together elite researchers and institutes from across the globe to understand our changing oceans and create safe, sustainable solutions for ocean development. Including a $93.7M award through the Canada First Research Excellence Fund program (CFREF; www.cfref-apogee.gc.ca), government, private and partner contributions, the OFI is a $220M enterprise.

GREAT CAREERS. GREAT CHOICE.

This Tier II CRC is reserved for external recruitment. Only candidates who are external to Dalhousie University may apply. Dalhousie is committed to fostering a collegial culture grounded in diversity and inclusiveness. The university encourages applications from qualified Aboriginal people, persons with a disability, racially visible persons, women, persons of minority sexual orientations and gender identities, and all qualified candidates who would contribute to the diversity of our community. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.