



DALHOUSIE
UNIVERSITY

FACULTY OF ENGINEERING

The Faculty of Engineering at Dalhousie University invites applications for an NSERC Tier 2 Canada Research Chair (CRC) in “Ocean Sensor Networks,” which will be held in the Department of Electrical and Computer Engineering. **With a background in Electrical and Computer Engineering, we welcome candidates with interest and expertise in linking their engineering research in multidisciplinary teams across the natural, applied, and social sciences.** The ideal candidate should have a background in areas such as sensor devices, sensing networks, embedded systems, electronics, machine learning, communications, computer security, information and/or data processing, robotics, and the Internet of Things (IoT).

Applicants must provide evidence of demonstrated excellence in and commitment to research and teaching. The successful candidate will be expected to establish a strong externally funded research program, supervise graduate student research, participate in service activities at the Department level and beyond, and foster exciting and new collaborations with government and industry, as well as collaborate with members of Dalhousie’s research community.

Dalhousie University is home to the Ocean Frontier Institute and was recently awarded a Canada First Research Excellence Fund towards *Transforming Climate Action: Addressing the Missing Ocean*. The Tier 2 CRC will thus provide opportunities to work with internationally renowned scientists, researchers, and engineering firms to support the development of technology to assess the impact of climate change in the ocean. This includes research in underwater robotics, heterogeneous communication networks, sensing devices and systems. The technology could also potentially be applied to increase the lifetime of remote platforms and ships, and potentially reduce carbon emissions.

Applicants must have a doctorate in computer engineering, electrical engineering, or a closely related discipline. **The successful candidate must be eligible for and committed to registration as a Professional Engineer in Nova Scotia.** The successful candidate must also be able to teach a broad range of undergraduate courses in computer engineering and specialized topics at the graduate level.

Dalhousie is the leading graduate and research university of Atlantic Canada, with more than 20,000 students, including 3,500 in graduate programs, from 115 countries. It is located in Kijikuktuk (Halifax), the major centre 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.

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 through the program’s **Tier 2 justification process**. Please contact Dalhousie’s Office of Research Services and see the CRC website (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.

The evaluation of applications will commence on **September 15th, 2024** and continue until the position is filled. It is anticipated that the position will begin on July 1, 2025. Please note that the offer of this tenure-stream position is conditional on a successful Tier 2 Canada Research Chair Ocean Sensor Networks application.

Persons wishing to be considered for this position should apply by clicking <https://dal.peopleadmin.ca/postings/17111>.



FACULTY OF ENGINEERING

Complete applications will include a cover letter, a curriculum vitae, statements of teaching and research interests, two publications, and the names and contact information for **three** confidential referees.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Dalhousie University commits to achieving inclusive excellence through continually championing equity, diversity, inclusion, and accessibility. In keeping with the principles of employment equity and the CRC program's equity targets, this position is designated to candidates who self-identify in one or more of the following groups: women, gender minorities, and Indigenous persons. All such qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. Dalhousie recognizes that candidates may self-identify in more than one equity-deserving group, and in this spirit, encourages applications from candidates who, in addition to belonging to the groups mentioned above, *also* identify as persons with a disability, Mi'kmaq, persons of Black/African descent (especially African Nova Scotians) and other racialized persons, persons identifying as members of 2SLGBTQIA+ communities, and all candidates who would contribute to the diversity of our community. (See www.dal.ca/becounted/selfid for definitions of the equity-deserving groups.)

If you require any support for the purpose of accommodation, such as technical aids or alternative arrangements, please contact ken.rice@dal.ca to let us know of these needs and how we can be of assistance. Dalhousie University is committed to ensuring all candidates have full, fair, and equitable participation in the hiring process. Our complete Accommodation Policy can be viewed [here](#).