



CANADA RESEARCH CHAIR Tier 2 in Nanomaterials for Energy Applications

The Faculty of Engineering at Dalhousie University invites applications for a Tier 2 Canada Research Chair (CRC) in “Nanomaterials for Energy Applications” to be jointly held in the Department of Electrical and Computer Engineering and the Department of Process Engineering and Applied Science. The appointment will be a tenure stream position at the rank of Assistant or Associate Professor with an anticipated start date of January 1, 2020. The successful candidate is expected to conduct research and supervise graduate students in both departments, and to develop, lead and grow a strong, externally funded research programme. While all nanomaterials for energy applications will be considered, preference will be given to candidates who have demonstrated qualifications and experience in carbon nanomaterial engineering and integration in flexible interactive textiles that can be used in a variety of sensing and monitoring applications.

Dalhousie University has established national and international strengths in advanced materials and clean technology research. This is reflected, for example, in the newly established Advanced Manufacturing and Clean Tech research hubs within the Faculty of Engineering, part of a \$64 M renewal of the Engineering and Architecture campus, and the Clean Technology Research Institute (CTRI), with its associated Facilities for Materials Characterisation (FMC) equipment suite. CTRI brings together leading researchers from across Dalhousie and other local universities to tackle diverse research challenges in energy and materials, including batteries, solar energy, smart materials and additive manufacturing.

The Department of Electrical and Computer Engineering and the Department of Process Engineering and Applied Science are building expertise in Clean Technology, sustainable processing, sensing and energy conversion materials. The successful candidate will be expected to actively provide leadership in and contribute to intra- and inter-faculty collaborations in these areas of emphasis.

Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness. In keeping with the principles of employment equity and the Canada Research Chair (CRC) program’s equity targets, this position is restricted to candidates who self-identify in one or more of the following groups: racially visible persons or persons with a disability. (See www.dal.ca/becounted/selfid for definitions of these groups.) Dalhousie recognizes that candidates may self-identify in more than one equity-seeking group, and in this spirit, encourages applicants who also identify as women, Aboriginal or Indigenous people, or persons of minority sexual orientations or gender identities. This position is restricted to applicants who currently hold a tenure-stream faculty position within Dalhousie University. Candidates must have a PhD in a relevant field of engineering and be eligible to register as a Professional Engineer in Nova Scotia. The ideal candidate will be an outstanding emerging scholar capable of developing an innovative, impactful and original research program (develop multi-faceted research projects, work with graduate students and postdoctoral fellows). The appointee will be expected to obtain peer-reviewed external funding and work cooperatively within the Faculty and with colleagues within the Clean Technology Research Institute. Although this is primarily a research appointment, the appointee will be expected to teach at the graduate and undergraduate level.

The Canada Research Chair (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. candidates must have been active researchers 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 Tier 2 Canada Research Chair assessed through the program’s [Tier 2 justification process](#). Please contact the research grants office 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.

Dalhousie is the leading graduate and research university of Atlantic Canada, with more than 18,500 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.

Applications should include a detailed curriculum vitae, a two-page summary of the candidate's proposed research program, a statement of research and teaching interests and philosophies, and three confidential letters of reference forwarded by the referees. A complete application will include a Self-Identification Questionnaire, which is available at www.dal.ca/becounted/selfid . All application materials should be submitted by March 29, 2019 to:

Chair, CRC Tier II Appointments Committee
c/o Jascinth Butterfield
Department of Electrical and Computer Engineering
Rm. C-306, C Building, Sexton Campus
Dalhousie University
PO Box 15000
Halifax, NS Canada B3H 4R2
Email: jbutterf@dal.ca
Electronic submissions must be in the form of a single attached file in PDF format

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: www.dal.ca/policies. For further information on this position, or to request accommodation at any stage in the search process, please contact Jascinth Butterfield at jbutterf@dal.ca.

Date of posting: February 14, 2019