

Tier 2 CRC in Clean Agricultural Technology and Energy

Position Details

Position Title Tier 2 CRC in Clean Agricultural Technology and Energy

Posting Number F125P

Type of position Tenure Stream

Department/Unit Engineering - Dal AC

Location Truro

About the opportunity

The Department of Engineering in Dalhousie University's Faculty of Agriculture invites applications for a Tier 2 Canada Research Chair (CRC) in Clean Agricultural Technology and Energy at the rank of Assistant or Associate Professor. We are seeking outstanding candidates with a demonstrated track record of expertise in areas related to clean technology and energy as it applies to agriculture. Research on clean technologies may include innovation in precision agriculture, bio-resource engineering, and/or agri-based bioproducts toward the goals of reducing greenhouse gas emissions, developing new commercialization opportunities for the agri-sector, generating positive social and economic impacts, and promotion of sustainable agriculture growth.

The successful applicant will hold a PhD in a discipline related to clean technology or energy research in areas that may include: civil, mechanical, or bio-resource engineering; sensor technology and automation for indoor and outdoor production systems; biomass conversion for bio-materials or bio-products; precision agriculture; and energy efficiency and life cycle analysis. The successful candidate will be evaluated on their potential to become an international leader in the field of clean technology in agriculture, and will be expected to develop a strong externally funded, internationally recognized research program. A candidate eligible to practice engineering in Nova Scotia is desirable. We seek a team player and team builder who can forge synergies within and between academia and industry. We want a clear and stimulating communicator who can inspire students of all levels, support Faculty initiatives, and participate in growing the reputation of the Faculty and University. The successful candidate will have a reduced teaching requirement but will be engaged with students at the undergraduate and graduate level.

A complete application package for this position will include:

- a cover letter (2 pages maximum)
- a detailed CV
- a prospective research plan (3 pages maximum)
- a 1-page statement on teaching interests, experience, and philosophy
- the names, addresses and emails of three references (applicants selected for further consideration will be notified before referees are contacted)
- reprints of three recent publications.

The Faculty of Agriculture (<http://www.dal.ca/faculty/agriculture.html>) is located on the Dalhousie University Agricultural Campus, located in Truro, Nova Scotia. The Faculty offers technical, undergraduate, and graduate programs (MSc, PhD) in agriculture, aquaculture, environment, and related life and social science disciplines, and is home to 1000+ students and 50+ professors, including current and past Canada Research Chairs. 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. The Department of Engineering is home to a vibrant team of engineers and scientists focused on the development of precision farming and sensor driven field production technologies, innovative waste and environmental management, biomass conversion and bio-refinery technologies, development of novel technologies for food processing, and environmental modeling of surface water systems.

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 (http://www.chairs-chaire.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx#s3). Please contact the research grants office and see the CRC website (<http://www.chairs.gc.ca>) for more information on eligibility.

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, this position is restricted to candidates who self-identify in one or more of the following groups: Indigenous persons, persons with a disability, racially visible persons, women, and persons of a minority sexual orientation and/or gender identity. (See <https://www.dal.ca/becounted/selfid> for definitions of these groups.) All such qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. 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 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: <https://www.dal.ca/policies>. For further information regarding this position, or to request accommodation at any stage of the hiring process, please contact the Chair of the selection committee, Dr. Gordon W. Price, Department of Engineering, Faculty of Agriculture: gprice@dal.ca. Applications for this position must be made through Dalhousie's online portal via this posting. Review of applications will begin November 30, 2020 and continue until the position is filled.

Posted July 20, 2020

Open Date	07/20/2020
Close Date	11/30/2020
Open Until Filled	Yes
Quick Link for Direct Access to Posting	http://dal.peopleadmin.ca/postings/3606

Documents Needed to Apply

Required Documents

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

Optional Documents