



THE UNIVERSITY OF BRITISH COLUMBIA
INTERNAL POSTING: Department of Materials Engineering
NSERC Canada Research Chair – Tier 2 in Battery Materials Extraction

The Department of Materials Engineering at the University of British Columbia (Vancouver campus) intends to nominate an exceptional emerging leader in Battery Materials Extraction for an NSERC Tier 2 Canada Research Chair (CRC) position. This Chair position is intended for emergency retention at the rank of Associate Professor.

Over its long history, the Department of Materials Engineering at UBC (referred to as the Department) has distinguished itself with excellence in research, teaching and service in the field of Materials Engineering. The Department has a strong record of collaborative work with industry and promotes interdisciplinary research. Further information on the Department is available at www.mtrl.ubc.ca and information on the Faculty of Applied Science is available at <https://apsc.ubc.ca/prospective-faculty>. The proposed nominee has demonstrated leadership and expertise in developing aqueous-based methods for processing of raw materials that are considered critical to electrification. The proposed nominee is a prominent researcher in hydrometallurgy with a strong track record in the study of chemical and biological-based methods for extraction of battery metals (e.g. nickel, cobalt, and lithium) and other metals vital for electrification, such as rare earth elements and the environmental implications of production of these metals. The proposed nominee maintains close ties with the existing Industrial Research Chair in Hydrometallurgy at UBC, a key strategic partnership, and participates in the offering of short courses at sponsor premises. Losing this expertise would leave a significant gap in our fundamental and applied research on the production of critical metals for electrification. The proposed nominee is also a researcher and educator with a proven commitment to matters of equity, diversity, and inclusion (EDI) and has demonstrated noteworthy leadership within the Department in furthering EDI initiatives. The proposed nominee actively promotes productive relationships across cultural differences and has developed an equitable, diverse and inclusive learning and research approach that promotes a respectful environment for all students, staff and faculty. With the supports provided through the CRC Program, the proposed nominee will have the resources necessary to make significant advances in their ground-breaking research program focused on the extraction of materials for battery applications.

Canada Research Chairs are expected to maintain an outstanding program of research, to teach at the undergraduate and graduate levels, to attract and supervise undergraduates, graduate students, and postdoctoral fellows, and to contribute to service at all levels within the University and to the profession. Tier 2 Chairs are intended for exceptional emerging scholars (i.e., candidates 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 having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process. Tier 2 CRCs are tenable for five years and renewable once. All CRC nominations are subject to review and final approval by the CRC Secretariat. Please consult the [Canadian Research Chairs website \(https://www.chairs-chaieres.gc.ca\)](https://www.chairs-chaieres.gc.ca) for full program information, including further details on eligibility criteria.

Application details: In accordance with UBC's CRC Equity, Diversity, & Inclusion Action Plan, and pursuant to Section 42 of the BC Human Rights code, the selection will be restricted to members in one or more of the following designated groups: women and gender minorities, visible minorities (members of groups that are racially categorized), persons with disabilities, and Indigenous Peoples. The proposed nominee will be asked to complete this equity survey (https://ubc.ca1.qualtrics.com/jfe/form/SV_6WJHo17SfPxRMu9) as part of the application process, and applicants must self-identify as belonging to one or more of the designated equity groups to be considered for the position. Because the search is limited to those self-identifying as members of designated equity groups, the proposed nominee must also provide their name when completing the equity survey in order to be considered. This information will be stored in a secure database and made available only to members of the adjudication committee. The application package must be submitted via email to [Dr. Daan Maijer](mailto:Dr.Daan.Maijer@ubc.ca), Department Head, Materials Engineering by 11:59pm January 8, 2023. The anticipated start date of the Chair position is October 1, 2023. The application package should include:

- 1) a curriculum vitae
- 2) a letter of interest describing the proposed research program (maximum 5 pages)
- 3) a statement on how the nominee's research and/or teaching contribute to an equitable, diverse and inclusive (EDI) academic environment (not exceeding 1 page)

- 4) the names and addresses (e-mail included) of three referees, who can speak to your research, teaching, administrative abilities, and service activities.

In assessing applications, UBC recognizes the legitimate impact that leaves (e.g., parental leave, leave due to illness) can have on a candidate's record of research achievement. These leaves will be taken into careful consideration during the assessment process. UBC welcomes and encourages applications from persons with disabilities. Accommodations are available on request for all candidates taking part in all aspects of the selection process. To make a confidential request for accommodations, please contact the Department Head, Daan Maijer at daan.maijer@ubc.ca.

Personal information is collected under the authority of sections 26(a) and 26(c) of the BC Freedom of Information and Protection of Privacy Act. The information you provide will only be used to determine whether you qualify for participation in this hiring process. [Equity Survey Data](#) will be collected by the UBC Equity & Inclusion Office and only the names of those who identify as women and gender minorities, visible minorities (member of groups that are racially categorized) and/or Indigenous Peoples will be shared with the search committee. Currently, UBC's CRC complement has a gap in representation of persons with disabilities. Until such time as this is remedied, the names of those self-identifying as having a disability will be provided separately to the search committee. Responses will be stored in a secure database.

The University is committed to creating and maintaining an inclusive and equitable work environment for all members of its workforce, and in particular, for its employees with disabilities. An inclusive work environment presumes an environment where differences are accepted, recognized, and integrated into current structures, planning, and decision-making modes. For additional information regarding UBC's accommodation and access policies and resources (for faculty and staff as well as students), please visit the Centre for Workplace Accessibility: <https://hr.ubc.ca/health-andwellbeing/working-injury-illness-or-disability/centreworkplaceaccessibility>. For support and assistance with accommodation questions, contact workplace.accessibility@ubc.ca.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person. All qualified candidates are encouraged to apply.

Posting date: December 7, 2022

Posting closes: January 8, 2023