

NSERC Canada Research Chair (Tier 2)

Assistant or Associate Professor in Arctic Ice and Marine System Science

Department of Environment and Geography,

CHR Faculty of Environment, Earth and Resources, University of Manitoba

(Position 25527)

The University of Manitoba invites applications for a Natural Sciences and Engineering Research Council (NSERC) Canada Research Chair (CRC; Tier 2), a tenured or tenure track position at the rank of assistant or associate professor, in the broad natural science fields of Arctic ice and marine system science.

The Government of Canada has established the CRC program to enable Canadian universities to foster world class research excellence. The proposed CRC aligns with the University's strategic research plan that identifies *Arctic System Science and Climate Change* as a targeted area.

The successful candidates will become a member of the Centre for Earth Observation Science (CEOS; <http://www.umanitoba.ca/ceos/>) in the Department of Environment and Geography, Clayton H. Riddell Faculty of Environment, Earth and Resources. CEOS is a focal point of Arctic System Science and Climate Change, and is an established 'Signature Area' of research excellence at the University of Manitoba (http://umanitoba.ca/research/media/Strategic_Research_Plan.pdf). With more than 150 researchers, students and staff, including a Canada Excellence Research Chair (CERC) Laureate, a new Canada Excellence Research Chair, a Senior Canada-150 Chair and two existing Canada Research Chairs (CRC, both at Tier 1), CEOS is one of the largest and most influential Arctic marine research groups in the world. CEOS' research is supported by a purpose-built Nellie Cournoyea Arctic Research Facility; laboratories for Earth, environmental and material sciences, and applied electromagnetics; Sea-ice Environmental Research Facility; the Churchill Marine Observatory (CMO); CCGS *Amundsen* icebreaker and a new coastal research vessel the *MV William Kennedy* and numerous field stations across the Arctic. The Arctic Science Partnership (<http://asp-net.org>) provides added opportunity for international networking.

Responsibilities:

The position will have a significant proportion allocated to research in any one of the broad areas of Arctic Marine and Climate Science in the specific subdiscipline of the candidate's specialization. The candidate will also be expected to teach one undergraduate and one graduate course in their area of research. Service will also be required both within the University and through various professional and public organizations linked to the candidate's area of expertise.

The successful candidates will be expected to play a major role in the various Arctic System Science projects led by CEOS at the University of Manitoba, including major new projects focused on freshwater-marine coupling with freshwater sources from glaciers and continental runoff, ocean acidification and carbon exchange processes, physical, biological or chemical oceanography, Arctic-midlatitude teleconnections, and climate change.

Qualifications:

The successful candidate must have a Ph.D. and proven success in leading an independently organized and externally funded program in Arctic marine science. Experience in mentoring graduate students, research associates and undergraduate students is required. Demonstrated teaching excellence at the undergraduate and graduate levels will be an asset. Outstanding applicants with internationally recognized expertise in the broad fields of Arctic System Science, ice sheet modelling, ocean modelling, glacier-marine coupling, paleoclimate reconstructions, meteorology, climatology, teleconnection science, terrestrial-marine coupling, Arctic physical, biological or chemical oceanography, carbon fluxes, remote sensing, etc., are encouraged to apply.

Rank and salary will be commensurate with qualifications and experience.

A Tier 2 CRC Nomination will be submitted soon after a successful candidate has been selected. Chairs are awarded by the Tri-agency Institutional Programs Secretariat after a rigorous evaluation, and award decisions are expected within six months of the CRC T2 submission. The appointment will be conditional on a successful Canada Research Chair nomination.

Applicants must be exceptional emerging scholars with less than 10 years of experience as an active researcher since obtaining their terminal degree 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.) will have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process. Please contact the UM's Office of Research Services (researchgrants@umanitoba.ca) office for more information (www.umanitoba.ca/research/ors/).

The University acknowledges the potential impact that Career Interruptions and Personal Circumstances can have on an applicant's record of research achievement. We encourage applicants to explain the impact of any such interruption(s) in their submission. Measures will be taken to ensure that these leaves will be taken into careful consideration during the evaluation process. The CRC Nomination Selection Committee will receive equity training that includes instruction on how to recognize and combat unconscious, implicit, overt, prejudicial and other kinds of bias. The Canada Research Chairs website also provides full program information including details on eligibility criteria at: www.chairs-chaire.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx

Equity Statement

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized persons/persons of colour, Indigenous peoples, persons with disabilities, persons of all sexual orientations and genders, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. If candidates require accommodation supports during the search process, please contact Valerie Williams, Diversity and Inclusion Consultant: valerie.williams@umanitoba.ca | Phone: (204) 474-8371.

The University of Manitoba, founded more than 140 years ago, is located in Winnipeg, and is the region's largest research-intensive university. The university community is comprised of close to 30,000 students, 9,000 faculty and staff, and over 140,000 alumni. A vibrant, prairie city with a population exceeding 700,000, Winnipeg boasts world-class arts and entertainment, professional sports teams

and an affordable, balanced lifestyle; for more information, visit www.tourism.winnipeg.mb.ca.

Application materials, including reference letters, will be handled in accordance with the Freedom of Information and Protection of Privacy Act (Manitoba). Please note that application materials may be provided to participating members of the search process.

Application Deadline: Application reviews will start on November 18, 2019, and continue until a successful candidate is selected.

Application materials should include:

- a cover letter outlining the candidate's qualifications and how they fulfill the above-listed criteria
- a curriculum vitae (including examples of significant research contributions)
- a two-page statement outlining the innovative and original proposed five-year research program envisioned for the Tier 2 chair and its potential to attract funding, contribute to student training and other impacts on the broader community, and a statement on the candidate's strengths and experiences in increasing Equity, Diversity and Inclusion in previous institutional environment
- a teaching statement that documents the candidate's experience in and approach to training and mentoring diverse students and the candidate's teaching philosophy
- the names and contact information of three referees

Applications should be delivered, via email, in care of Ms. Sharon Kirsch
(Sharon.Kirsch@umanitoba.ca), to:

Dr. Feiyue Wang and Dr. Mark Hanson
Search Committee Co-Chairs
CHR Faculty of Environment, Earth, and Resources
The University of Manitoba

Please refer to position #25527* in the subject heading

*If you wish to be considered for more than one position indicate each position number in your application cover letter.

For further information and advice regarding your advertisement, please email:
umcareers@umanitoba.ca