Career Opportunities

NSERC Canada Research Chair (CRC) in "Cyber Security." Tier 1 or Tier 2 according to experience and eligibility

Vice Pres., Research & Innov.

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Deadline to Apply: Monday, April 30, 2018

At the intersection of mind and action, Ryerson is on a transformative path to become Canada's leading comprehensive innovation university. Integral to this path is the placement of equity, diversity and inclusion as fundamental to our institutional culture. Our current academic plan outlines each as core values and we work to embed them in all that we do.

Cyber Security addresses ways of protecting computers, networks, programs and data from unauthorized access or attacks that are aimed for exploitation. Located in the downtown core of the City of Toronto, Ontario, Ryerson is ideally situated in the heart of Canada's retail and financial services industries and among the head offices of businesses particularly affected by this issue. Toronto also hosts a proliferation of high tech start-ups whose goal is to develop technologies that ensure data protection. This position will benefit immensely from this context.

The Opportunity
Ryerson University invites applications for a Natural Sciences and Engineering Research Council (NSERC) Tier 1 or Tier 2 Canada Research Chair (CRC) in "Cyber Security." Tier level will be determined according to the candidate's experience and eligibility.

The selected candidate will be nominated by Ryerson University to apply for the Government of Canada's CRC Program. Appointment with the University is conditional upon the successful award of a CRC to the candidate.

The successful candidate will be appointed at the Assistant, Associate or Full Professor level, and will develop, with Ryerson University, the CRC application for the October 2018 deadline, with the goal of being appointed as a CRC by July 2019. This position is subject to final budgetary approval. The successful nominee must be approved by CRC and will be offered a tenure track position in the appropriate academic unit(s) that best fits their expertise.

To meet the criteria of the CRC Program, **Tier 1 nominees** must be outstanding and innovative world-class researchers whose accomplishments have made a major impact in their fields; be recognized internationally as leaders in their fields; have superior records of attracting and supervising graduate students and postdoctoral fellows (taking into account different practices in the relevant field or discipline) and, as chairholders, be expected to attract, develop and retain excellent, diverse trainees, students and future researchers; and be proposing an original, innovative research program of the highest quality.

To meet the criteria of the CRC program, **Tier 2 nominees** must be excellent emerging worldclass researchers who have demonstrated particular research creativity; have demonstrated the potential to achieve international recognition in their fields in the next five to ten years; as chairholders, have the potential to attract, develop and retain excellent, diverse trainees, students and future researchers; and be proposing an original, innovative research program of high quality.

Tier 2 Chairs are for emerging researchers (individuals who are no more than 10 years from having earned their highest degree). However, career interruptions (e.g. maternity or parental leave, extended sick leave, clinical training, family care, etc.) may be taken into consideration using the Tier 2 justification process to review the candidate's eligibility. Potential applicants who are more than 10 years from their highest degree with career interruptions may contact the institution to have their eligibility reviewed through the Tier 2 justification process. Please contact Ryerson's Research Office by sending an email to vpri@ryerson.ca with "Tier 2 Justification" in the title. The eligibility conditions for the CRC chairs are found at http://www.chairschaires.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx#s3.

Responsibilities
Responsibilities will include building a research program that develops a critical mass of excellent research in the area, shows potential for interdisciplinary and collaborative research and capacity for growth of Graduate Programs; teaching and supervising at the undergraduate and graduate levels; and engagement in collegial service.

Qualifications
Candidates will have a strong research profile (e.g., evidence of an emerging scholarly record, ability to establish and maintain an independent, externally funded research program), evidence of high-quality teaching and student training, and a capacity for collegial service.
The following are expectations of an ideal candidate for the position:

- A PhD in Computer Science, Computer and Electrical Engineering, Mathematics, or a related field;
- Demonstrated expertise in Cyber Security;
- Strong research profile with evidence of peer reviewed publications/contributions and external grants (and/or participation in group grants and/or ability to attract multi-center grants) of an internationally competitive caliber; evidence of commitment to equity, diversity and inclusion in their research;
- Strong record of effective student research training which demonstrates how the candidate upholds the values of equity, diversity and inclusion in such training and team building;
- Demonstrated ability to establish and maintain an independent, externally funded research program;
- Evidence of research collaborations or strong potential/ability to attract industrial collaborative initiatives; demonstrated attention to equity, diversity and inclusion in those collaborations or initiatives;
- Demonstrated experience in undergraduate course development and teaching; and
- Demonstrated ability to effectively teach key fundamentals of Cyber Security.

Equity at Ryerson University
Ryerson University welcomes those who have demonstrated a commitment to upholding the values of equity, diversity, and inclusion and will assist us to expand our capacity for diversity in the broadest sense. In addition, to correct the conditions of

disadvantage in employment in Canada, we encourage applications from members of groups that have been historically disadvantaged and marginalized, including First Nations, Metis and Inuit peoples, Indigenous peoples of North America, racialized persons, persons with disabilities, and those who identify as women and/or 2SLGBTQ+. Please note that all qualified candidates are encouraged to apply; however, applications from Canadians and permanent residents will be given priority.

As an employer, we are working towards a people first culture and are proud to have been selected as one of Canada's Best Diversity Employers and a Greater Toronto's Top Employer for 2015, 2016 and 2017. To learn more about our work environment, colleagues, leaders, students and innovative educational environment, visit www.ryerson.ca, check out @RyersonU, @RyersonHR and @RyersonEDI on Twitter, and visit our LinkedIn company page.

How to apply?
All qualified candidates are invited to apply by emailing cybersecurity@ryerson.ca The application must contain the following:

- A letter of application and curriculum vitae
- Three (3) recent research publications
- Teaching dossier
- The names and contact information for at least 3 individuals who may be contacted for reference letters.

Ryerson recognizes that scholars have varying career paths and that career interruptions can be part of an excellent academic record. Candidates are encouraged to provide any relevant information about their experience and/or career interruptions to allow for a fair assessment of their application. Search committee members have been instructed to give careful consideration to diverse experiences and knowledges, and be sensitive to the impact of career interruptions in their assessments.

Please indicate in your application if you are a Canadian citizen or a permanent resident of Canada.

Applications and any confidential inquiries can be sent to cybersecurity@ryerson.ca . The deadline to apply is April 23rd.

Aboriginal candidates who would like to learn more about working at Ryerson University are welcome to contact Ms. Tracey King, M.Ed., Aboriginal HR Consultant, Aboriginal Recruitment and Retention Initiative, at t26king@ryerson.ca.

It is critical to Ryerson's success to remove barriers and correct the conditions of disadvantage in Canada for under-represented groups. For this reason, by separate email communication we will be inviting all applicants to complete voluntarily an online Diversity Self-ID questionnaire.

The information collected will remain confidential; the communication will provide details on who will have access to the data and how it will be used.

This position falls under the jurisdiction of the Ryerson Faculty Association (RFA).

- The RFA collective agreement can be viewed at:https://www.ryerson.ca/content/dam/faculty-affairs/rfa-collectiveagreement/RFA_CA_2015_to_2018.pdf
- The RFA's website can be found at: www.rfanet.ca.
- A summary of RFA benefits can be found at: https://www.ryerson.ca/hr/employeeresources/rfa/full-time-LTF/benefits/ *LI-JC1

Ryerson University is strongly committed to fostering diversity within our community. We welcome those who would contribute to the further diversification of our staff, our faculty and its scholarship including, but not limited to, women, visible minorities, Aboriginal people, persons with disabilities, and persons of any sexual orientation or gender identity. Please note that all qualified candidates are encouraged to apply but applications from Canadians and permanent residents will be given priority.