

NSERC Tier 2 Canada Research Chair (CRC) in Cybersecurity

**Department of Computer Science
Ryerson University**

The Department of Computer Science (www.scs.ryerson.ca) in the Faculty of Science at Ryerson University (www.ryerson.ca) invites applications for a Natural Sciences and Engineering Research Council (NSERC) Tier 2 Canada Research Chair (CRC) in Cybersecurity.

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, close to several major hospitals and provincial government agencies, and to the head offices of major businesses. All of these organizations are particularly affected by Cybersecurity issues. 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 Department of Computer Science is in a period of expansion due to robust interest in the field and currently consists of 22 tenure-stream faculty members. The Department offers an undergraduate honours degree, with an optional co-op, as well as a Master's and a Doctoral degree. Our faculty prides itself on the excellence of its research and on the quality of its teaching. Several faculty members are engaged in Cybersecurity related research and we are seeking candidates who will actively participate in current collaborative activities and have the capacity to become leaders in their field.

The Opportunity

The successful candidate will be appointed to a tenure-track position in the Department of Computer Science at the rank of Assistant Professor, or a tenured position at the rank of Associate Professor, commencing on July 1, 2019. This position is subject to final budgetary approval. The candidate will then develop, with Ryerson University, the CRC nomination package for the October, 2019 deadline, with the goal of being awarded the Tier 2 CRC in April, 2020. All Canada Research Chairs are subject to review and final approval by the CRC Secretariat.

The Canada Research Chairs Program is a federal initiative that offers eligible Canadian institutions the opportunity to nominate outstanding researchers for professorships in areas that will further the institution's strategic research plan and enable them to maximize their contributions as centres of research and research training. As defined by the guidelines, Tier 2 chairs are tenable for five (5) years and renewable once. Please consult the [Canada Research Chairs website](#) for more information about the CRC program and eligibility.

Qualifications

Candidates must hold an earned Ph.D. in Computer Science or a closely related field. To be eligible for strong consideration the successful candidate must also:

- Be excellent emerging world-class researchers who have demonstrated particular research expertise and creativity in Cybersecurity;
- Have a strong emerging research profile in new and leading areas of Cybersecurity evidenced by peer-reviewed publications/contributions, patents, book chapters, public policy contributions, commercialization, and/or knowledge mobilization and application in professional practice;
- Propose an original, innovative research program of high quality that demonstrates the potential to achieve international recognition in the next five to ten years;
- Candidates must demonstrate a commitment to our values of Equity, Diversity, and Inclusion as it pertains to service, teaching, and scholarly research or creative activities.
- Demonstrated ability to make learning accessible and inclusive for a diverse student population, and the ability to recruit, mentor and support diverse students and research trainees from underrepresented groups such as women, persons with disabilities, Indigenous peoples and 2SLGBTQ+ people;
- Demonstrate the ability to establish and maintain an independent, externally funded research program, including participation in group grants and/or the ability to attract multi-center grants and the potential to attract diverse world-class collaborators; and,
- Have experience in course development and effectively teaching Computer Science courses, including Cybersecurity courses.

Tier 2 Chairs are for individuals who are no more than ten (10) years from having earned their highest degree. However, Ryerson and the CRC program recognize that career interruptions (e.g. maternity or parental leave, extended sick leave, clinical training, family care, etc.) can 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 ovpri@ryerson.ca with "Tier 2 Justification" in the title. The eligibility conditions for the CRC chairs are found at www.chairs-chaire.gc.ca.

Equity at Ryerson University

At the intersection of mind and action, Ryerson is on a transformative path to becoming 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. 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+ people.

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.

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, 2017 and 2018. To learn more about our work environment, colleagues, leaders, students and innovative educational environment, visit www.ryerson.ca, check out [@RyersonU](#), [@RyersonHR](#) and [@RyersonECI](#) on Twitter, and visit our [LinkedIn company page](#).

How to apply?

Applications and any confidential inquiries can be sent to crc@scs.ryerson.ca. The deadline to apply is **February 1, 2019**. Applications must include the following:

- A letter of interest that highlights what you would bring to our department and to the Faculty of Science, and what makes you a strong candidate as a researcher, teacher, and community member to join Ryerson University. Please include a statement describing how your commitment to equity, diversity and inclusion has been reflected in your research and collaborations. For example, amplifying voices of scholars from underrepresented groups and including diverse perspectives; and how you have demonstrated these values through hiring and mentoring of research team members, community engagement and/or social media;
- A current curriculum vitae that presents a clear description of your scholarly and professional development through your education, research activities and research outcomes, as well as evidence of research collaborations, and strong potential/ability to attract industrial collaborative initiatives;
- A research statement of no more than 3 pages that discusses the significance, originality, and potential impact of your research program;
- A teaching dossier including details mentioned in the Qualifications section as well as your teaching philosophy;
- 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 knowledge, and be sensitive to the impact of career interruptions in their assessments; and,

- The contact information for three (3) individuals who may be contacted for references.

Please *CLEARLY* indicate in your application if you are a Canadian citizen or a permanent resident of Canada. All qualified candidates are encouraged to apply; however, applications from Canadians and permanent residents will be given priority.

Ryerson is committed to accessibility for persons with disabilities. To find out more about our Access Ryerson initiative, and plans, policies and resources, please visit our Accessibility website - <https://www.ryerson.ca/accessibility/>. We want to ensure that all participants are able to engage fully in interviews and other activities that are part of the process. If you have any accommodation requests, please contact Jodie Stauffer, Sr. HR Consultant at jstauffe@ryerson.ca. All requests for accommodation will be treated confidentially.

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 email 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-collective-agreement/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/employee-resources/rfa/full-time-LTF/benefits/>