

## Tier 2 Canada Research Chairs in Big Data Analytics

Ryerson University invites applications for two Tier 2 Canada Research Chairs in Big Data Analytics: one focused on the technical aspects of Big Data, and one focused on applications and implications of Big Data in industry, government, health care, education and/or social services.

Located in downtown Toronto, Ryerson University is Canada's leader in innovative, career-oriented education and a university clearly on the move. With a mission to serve societal need, and a long-standing commitment to engaging its community, Ryerson offers more than 100 undergraduate and graduate programs. Distinctly urban, culturally diverse and inclusive, the University has more than 38,900 students, including 2,300 master's and PhD students, nearly 2,700 faculty and staff, and more than 140,000 alumni worldwide. Research at Ryerson is on a trajectory of success and growth: externally funded research has doubled in the past four years. Ryerson has more than 125 innovative research centres, institutes, and labs across a wide range of disciplines, and it is home to 12 Canada Research Chairs. Guided by a bold Academic Plan and a recent Master Plan to revitalize the campus and surrounding neighbourhood, Ryerson is a comprehensive university with a significant profile in higher education, and a strong reputation with national business, government, community, and industrial leaders. For more information, please visit [www.ryerson.ca](http://www.ryerson.ca).

The Canada Research Chairs program was established by the Government of Canada to enable Canadian universities to achieve the highest levels of research excellence in the global, knowledge-based economy. Tier 2 Chairs have five year terms, renewable once, and are intended for exceptional emerging scholars (less than 10 years post-PhD) who have the acknowledged potential to lead their research field. Information about the CRC program can be found at [www.chairs.gc.ca](http://www.chairs.gc.ca).

Collecting, aggregating, analyzing, and interpreting today's vast amounts of information is the challenge of Big Data, which is the focus of two new multidisciplinary Canada Research Chairs at Ryerson. Ryerson already has a number of scholars who are interfacing with industry to work on Big Data problems in a variety of disciplines including mathematics, computer science, engineering, science, information systems, business analytics, finance, marketing, social media, decision sciences, digital humanities, geographic information systems, policy, law and more. Ryerson is also a node of the High Performance Computing Virtual Laboratory and home to the new Centre for Cloud and Context-Aware Computing, so opportunities for collaboration and the infrastructure to support those efforts are abundant. The new Canada Research Chairs will serve as a focal point for building capacity to use Big Data techniques to support research across disciplines and to inform curriculum development.

Successful candidates will have original, innovative and high quality research programs that fit with an emphasis on Big Data analytics and Ryerson's research themes and support Ryerson's commitment to equity, diversity, and inclusion in scholarship, pedagogy, and curriculum. For Ryerson University's research strategy, please visit [www.ryerson.ca/research/SRC%20Strategic%20Plan%202010-2013.pdf](http://www.ryerson.ca/research/SRC%20Strategic%20Plan%202010-2013.pdf) Areas of research for the technical aspects/challenges CRC may include distributed computing, algorithm development, integrated systems, network and database architecture, and storage. The applications CRC will research and utilize Big Data techniques to innovatively and creatively address the implications and applications of Big Data in industry, government, health care and/or social services. Both CRC holders will be well-established in terms of top tier publications and research funding, with the capacity to liaise with industry and create collaborative research programs within this highly cross-disciplinary field.

Candidates will be appointed at the Assistant or Associate Professor rank and will likely be cross-appointed to various faculties on campus, including the Faculties of Science, Engineering and Architectural Science, Arts, and the Ted Rogers School of Management. The successful applicant will develop with Ryerson University the Canada Research Chair application for the October 2013 deadline, with the goal of joining the University in July 2014.

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.

Applications should include a letter of interest (incorporating a brief (1-2 page) five year research program plan and a record of teaching effectiveness), curriculum vitae, and the names of three references (who will not be contacted without consent of the candidate) and may be forwarded electronically, in confidence, until July 31st to:

**Laverne Smith & Associates Inc.**

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