

Tenure Track Position in Industrial Engineering

Located in downtown Toronto, the largest and most culturally diverse city in Canada, [Ryerson University](#), is on the territory of the *Anishinaabeg, Haudenosaunee and the Wendat Peoples* and is known for innovative programs built on the integration of theoretical and practical learning. Our [undergraduate](#) and [graduate](#) programs are distinguished by a professionally focused curriculum with a strong emphasis on excellence in teaching, scholarly research and creative activities. Ryerson is known for its culture of entrepreneurship and innovation and is recognized as a city builder, as it continues its growth through award-winning architecture and expansion of its campus.

Dedicated to a people first culture, Ryerson is proud to have been selected as one of Canada's Best Diversity Employers and a Greater Toronto's Top Employer for every year since 2015. To learn more about our work environment, please visit us on Twitter: [@RyersonU](#), [@RyersonHR](#) and [@RyersonECI](#) and our [LinkedIn company page](#). We invite you to [explore employment at Ryerson](#). Aboriginal candidates who would like to learn more about working at Ryerson University are welcome to contact Tracey King, Indigenous Human Resources Lead at t26king@ryerson.ca.

The Opportunity

The [Department of Mechanical and Industrial Engineering \(MIE\)](#) in the [Faculty of Engineering & Architectural Science](#) at Ryerson University invites applications for a tenure-track position at the rank of Assistant Professor in Industrial Engineering focusing on Modeling and Optimization of Human-in-the-Loop Systems and Processes, effective July 1, 2020, subject to final budgetary approval.

The Department has 37 faculty members and offers four-year accredited programs leading to Bachelor of Engineering (BEng) degrees in Mechanical Engineering and Industrial Engineering. The Department also offers graduate programs leading to a Doctor of Philosophy (PhD) degree, Master of Applied Science (MASc) degree, and Master of Engineering (MEng) degree and is home to about 1100 undergraduate and 150 graduate students.

This position falls under the jurisdiction of the Ryerson Faculty Association (RFA) (www.rfanet.ca). The RFA collective agreement can be viewed [here](#) and a summary of RFA benefits can be found [here](#).

Responsibilities

The successful candidate will engage in a combination of teaching, research and service duties, maintaining an inclusive, equitable, and collegial work environment across all activities. Responsibilities will include: establishing and maintaining a dynamic, externally-funded research program; contributing to our undergraduate and graduate programs through teaching, mentoring and supervision of students with diverse backgrounds and perspectives; and engaging in the life of the Department, Faculty and University through service activities.

Qualifications

Candidates must hold a Ph.D. in Industrial Engineering, Systems Engineering, Operations Research, Operations Management or a related field and must provide evidence of the following:

- a strong methodological foundation in developing mathematical, statistical, computational and data-driven methods to model and optimize human-in-the-loop systems and processes;
- a strong research profile (e.g., evidence of an emerging scholarly record, ability to establish and maintain an independent, externally funded research program). Candidates must present evidence of a relevant research areas of interest including but not limited to sociotechnical and socioeconomic systems to embrace manufacturing and production systems, cyber physical social systems, human-robot interaction systems, service systems;
- high-quality inclusive teaching and student training and a demonstrated ability to teach a variety of fundamental industrial engineering undergraduate and graduate courses;

- eligibility to register as a professional engineer (P.Eng.) in the province of Ontario.
- commitment to our values of Equity, Diversity, and Inclusion as it pertains to service, teaching, and scholarly research or creative activities, including a demonstrated ability to make learning accessible and inclusive for a diverse student population. This includes the ability to foster creative and collaborative intellectual inquiry by bringing diverse knowledge, experiences and perspectives to learning activities and research projects; and
- an ability to contribute to the life of the Department, Faculty and the University through collegial service.

Postdoctoral experience is an asset. The ability to teach undergraduate courses such as work measurement, analysis, and design, facility design, service operations management, and human factors/ergonomics would be an asset.

Equity at Ryerson

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.

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, Métis and Inuit peoples, Indigenous peoples of North America, racialized persons, persons with disabilities, and those who identify as women and/or 2SLGBTQ+.

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.

How to Apply

Applicants must submit their application online via the [Faculty Recruitment Portal](#) (click on "Start Application Process" to begin). The review of applications will begin February 15, 2020 and continues until the position is filled. The application must contain the following:

- a letter of application which includes a description of how commitment to equity, diversity and inclusion has been demonstrated in teaching, research and service;
- a curriculum vitae;
- three examples of materials produced to disseminate research, e.g. publications, conference presentations, etc.;
- a research statement (maximum 3 pages);
- a teaching statement (maximum 2 pages);
- supervisor/peer teaching evaluations, if any; and
- names of three individuals who may be contacted for references.

Please note that all qualified candidates are encouraged to apply; however, applications from Canadians and permanent residents will be given priority. **Candidates must therefore indicate in their application if they are a permanent resident or citizen of Canada.**

Confidential inquiries can be directed to the Chair of Department Hiring Committee (DHC), Dr. Sharareh Taghipour at sharareh@ryerson.ca.

Ryerson is committed to [accessibility](#) for persons with disabilities. For any confidential accommodation needs in order to participate in the recruitment and selection process and/or inquiries regarding accessing

the Faculty Recruitment Portal, please contact Laurie Shemavonian, HR Advisor at laurie.shemavonian@ryerson.ca.