Tenure Track Position in Mechanical Engineering

Located in downtown Toronto, the largest and most culturally diverse city in Canada and on the territory of the *Anishinaabeg, Haudenosaunee and the Wendat Peoples,* 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 Mechanical Engineering focusing on Mathematical Modeling of Materials and Processes, effective July 1, 2021, subject to final budgetary approval.

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 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.

Candidates must hold a Ph.D. in Mechanical Engineering, Metallurgy, Materials Science and Engineering, Applied Mechanics, or a related field and must provide evidence of the following:

- a strong background in mathematical and computational modeling of material processes, casting and solidification of materials and additive manufacturing;
- a strong research profile in areas of interest with the possibility of expansion into other research areas; evidence of an emerging scholarly research and/or creative activity that is current, innovative and impactful as evidence by, but not limited, peer-reviewed publications, working papers, public policy contributions, presentations at academic conferences, community and professional work, grants, research related awards and other writing or creative production that contributes to the visibility and prominence of the discipline.
- potential for teaching excellence at all levels of the undergraduate and graduate curricula including a variety of mechanical engineering undergraduate courses, as demonstrated through teaching assistantships and/or actual teaching experience and further evidenced by, but not limited to, a teaching dossier that includes a teaching philosophy statement, experience with course and curriculum review and/or development, examples of best practices in pedagogy, effective use of classroom technology, experience with experiential learning, sample syllabi, strong teaching evaluations, teaching awards, and other relevant achievements in teaching;
- eligibility to register as a professional engineer (P.Eng.) in the Province of Ontario;
- ability and willingness to contribute to the life of the Department, Faculty and the University through collegial service.
- demonstrated commitment to Equity, Diversity, and Inclusion (EDI) as it pertains to service, teaching, and research, including an understanding (either demonstrated or planned) to create an inclusive and accessible learning environment for a diverse student population.

Postdoctoral experience is an asset.

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.

Ryerson University

Serving a highly diverse student population of over 45,000, with 100+ undergraduate and graduate programs built on the integration of theoretical and practical learning and distinguished by a professionally focussed curriculum with a strong emphasis on excellence in teaching, research and creative activities,

Ryerson is a vibrant, urban university known for its culture of innovation, entrepreneurship, community engagement and city-building through its award-winning architecture.

Department of Mechanical and Industrial Engineering

The Department has 39 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 1250 undergraduate and 150 graduate students.

Working at Ryerson

At the intersection of mind and action, Ryerson is on a transformative path to become Canada's leading comprehensive innovation university. At Ryerson and within our department/school, we firmly believe that equity, diversity and inclusion are integral to this path; our current academic plan outlines each as core values and we work to embed them in all that we do.

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. We invite you to explore the range of benefits and supports available to faculty and their family, including access to our diverse faculty and staff networks.

Visit us on Twitter: @RyersonU, @RyersonHR, @RyersonVPFA and @RyersonECI and our LinkedIn company page.

Ryerson is committed to accessibility for persons with disabilities. To find out more about legal and policy obligations please visit the accessibility and Human Rights websites.

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, Black-identified persons, other racialized persons, persons with disabilities, and those who identify as women and/or 2SLGBTQ+.

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, 2021 and continue 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;
- a diversity statement (maximum 1 page), i.e. evidence of commitment to EDI that demonstrates an understanding of EDI principles and evidence of application of those EDI principles, or clearly defined plans of how EDI principles will be applied in research and teaching;
- 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, in accordance with Canadian immigration regulations. **Candidates must therefore indicate in their application if they are a permanent resident or citizen of Canada.**

Contacts

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

Indigenous 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.

Black identified candidates who wish to learn more about working at Ryerson University are welcome to contact Shurla Charles-Forbes, Black Faculty & Staff Community Network at bfscn@ryerson.ca.

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.