

Assistant Professor - Modelling and Process Metallurgy  
University of Toronto

Direct Link: <https://www.AcademicKeys.com/r?job=250709>

Downloaded On: Dec. 25, 2024 12:43am

Posted Dec. 19, 2024, set to expire Feb. 16, 2025

<b>Job Title</b>	Assistant Professor - Modelling and Process Metallurgy
<b>Department</b>	Department of Materials Science and Engineering
<b>Institution</b>	University of Toronto Toronto, Ontario
<b>Date Posted</b>	Dec. 19, 2024
<b>Application Deadline</b>	Feb. 16, 2025
<b>Position Start Date</b>	Jul. 1, 2025
<b>Job Categories</b>	Assistant Professor
<b>Academic Field(s)</b>	Material/Metallurgy
<b>Apply Online Here</b>	<a href="http://uoft.me/how-to-apply">http://uoft.me/how-to-apply</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

The Department of Materials Science and Engineering in the Faculty of Applied Science and Engineering at the University of Toronto invites applications for a full-time tenure stream position in Modelling and Process Metallurgy. The appointment will be at the rank of Assistant Professor, with an anticipated start date of July 1, 2025.

Candidates must have earned a PhD degree or equivalent doctoral degree in Materials Science and Engineering or a related field, with expertise in Metallurgical process modelling (CFD/mathematical modelling and physical simulation) and Transport phenomena as well as a demonstrated record of excellence in research and teaching. An expertise in the application of AI models for process analysis and a demonstrable experience in relevant industrial work and/or collaborating with industrial partners are advantages. The candidate must be able to teach courses relevant to process simulation, process metallurgy, thermodynamics, and transport phenomena. Eligibility to register as a Professional

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Engineer in Ontario is strongly desirable. We seek candidates whose research and teaching interests complement and enhance our existing [departmental strengths](#).

The successful candidate will be expected to pursue innovative and independent research, and to establish an outstanding, competitive, and externally funded research program. Excellence in research is evidenced primarily by the record of publications in leading journals or conferences in the field, the submitted research statement, awards and accolades, presentations at significant conferences, along with strong endorsements by referees of high international standing.

Evidence of excellence in teaching will be demonstrated by teaching accomplishments, and the teaching dossier, including a teaching statement, sample course materials, and teaching evaluations or other evidence of superior performance in teaching-related activities submitted as part of the application, as well as strong letters of reference on teaching experience. Other teaching-related activities can include performance such as a teaching assistant or course instructor and student mentorship.

Salary will be commensurate with qualifications and experience.

Established in 1827, the University of Toronto is Canada's largest university, recognized as a global leader in research and teaching. The University's distinguished faculty, institutional record of ground breaking scholarship and wealth of innovative academic opportunities continually attract outstanding students and academics from around the world. The Department of Materials Science and Engineering at the University of Toronto is home to the top Materials Science and Engineering program in Canada. We foster a world-class environment that excels in teaching, learning and research.

All qualified candidates are invited to apply online by clicking the link below. Applicants must submit a cover letter; a current curriculum vitae; a research statement outlining past research experience as well as current and future research interests; a recent writing sample; and a teaching dossier that includes a teaching statement, sample course materials, and teaching evaluations or evidence of superior performance in other teaching-related activities as listed above.

Applicants must provide the name and contact information of three referees who can provide independent references of applicant's research and teaching abilities. The University of Toronto's recruiting tool will automatically solicit and collect letters of reference from each referee the day after an application is submitted. Applicants remain responsible for ensuring that referees submit recent letters (on letterhead, dated and signed) by the closing date. More details on the automatic reference letter collection, including timelines, are available in the [candidate FAQ](#).

Submission guidelines can be found at <http://uoft.me/how-to-apply>. Your CV and cover letter should be

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uploaded into the dedicated fields. Please combine additional application materials into one or two files in PDF/MS Word format. If you have any questions about this position, please contact, Professor Hani Naguib, Chair, Department of Materials Science and Engineering at [mse.chair@utoronto.ca](mailto:mse.chair@utoronto.ca) with “Modelling and Process Metallurgy” in the subject line.

All application materials, including recent reference letters, must be received by February 16, 2025.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

### **Diversity Statement**

The University of Toronto embraces Diversity and is building a culture of belonging that increases our capacity to effectively address and serve the interests of our global community. We strongly encourage applications from Indigenous Peoples, Black and racialized persons, women, persons with disabilities, and people of diverse sexual and gender identities. We value applicants who have demonstrated a commitment to equity, diversity and inclusion and recognize that diverse perspectives, experiences, and expertise are essential to strengthening our academic mission.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

### **Accessibility Statement**

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission.

The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities.

If you require any accommodations at any point during the application and hiring process, please contact [uoft.careers@utoronto.ca](mailto:uoft.careers@utoronto.ca).

### **Contact Information**

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Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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