

**The Department of Mechanical & Materials Engineering  
is seeking outstanding candidates for a  
POSITION IN  
ARTIFICIAL INTELLIGENCE IN MECHANICAL ENGINEERING**

Applications are invited for an exceptional candidate in the area of **Artificial Intelligence (AI) in Mechanical Engineering** in the Department of Mechanical & Materials Engineering, Faculty of Engineering, effective July 1, 2024 or as soon as possible thereafter. The successful applicant will receive a probationary (tenure track) appointment at the rank of Assistant or Associate Professor or a tenured appointment at the rank of Associate Professor. The rank and tenure status will be commensurate with the successful applicant's qualifications and experience in teaching and research.

Western University recognizes that its commitment to equity, diversity and inclusion is central to the University's mandate as a research-intensive institution of higher learning and as a community leader. To address our commitment to equity, diversity and inclusion, and to address underrepresentation in the Faculty of Engineering's faculty complement, all applicants to this hiring opportunity must self-identify as a woman. **Pursuant to Section 14 of the Ontario Human Rights Code only applicants who self-identify as a woman in their cover letter will be considered for this opportunity.**

We seek an energetic and dynamic colleague who will be able to positively contribute to both teaching and research efforts in the department in the area of Artificial Intelligence (AI) as applied in mechanical engineering. While the primary focus of the position will be the development and implementation of advanced AI techniques, virtually all specialties within the broadly defined area of mechanical engineering could constitute a viable complement to the core AI research thrust.

For a probationary appointment, the successful candidate will have completed a PhD degree in Mechanical, Industrial or Materials Engineering, or relevant similar field. The candidate will demonstrate excellence or clear promise of excellence in research, including evidence of high-quality scholarly output that demonstrates independent research potential leading to peer-assessed publications and securing of external research funding. The candidate will demonstrate excellence, or the potential for excellence, in teaching and training of students at the undergraduate and graduate levels.

For a tenured appointment, the successful candidate will have completed a Ph.D. degree in Mechanical, Industrial or Materials Engineering, or relevant similar field. The candidate will also provide evidence of excellence in research and impact through publications in the highest quality journals, and have an established internationally-recognized, externally-funded research program, with evidence of interdisciplinary and industrial collaborations. An exceptional profile with respect to teaching and training of students at the undergraduate and graduate levels is also required.

The successful candidate will be expected to build collaborations with researchers within the department and with other national and international collaborators. The candidate will be expected to teach a diversity of introductory, fundamental or advanced undergraduate and graduate courses in mechanical engineering, supervise graduate students as well as participate in other educational and professional activities including administrative duties within the Department, Faculty and University. The ability to become eligible for registration as a Professional Engineer in Ontario is required for this appointment.

Western University delivers an academic experience second to none. Western challenges the best and brightest faculty, staff and students to commit to the highest global standards. Our research excellence expands knowledge and drives discovery with real-world application. Western attracts individuals with a broad worldview, seeking to study, influence and lead in the international community. Since 1878, The Western Experience has combined academic excellence with life-long opportunities for intellectual, social

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and cultural growth in order to better serve our communities. Further information about Western can be found at <http://www.uwo.ca/>, the Faculty of Engineering at <http://www.eng.uwo.ca/>, the Department of Mechanical and Materials Engineering at <http://www.eng.uwo.ca/mechanical/>. Western Engineering's new strategic plan, including our mission, vision and values can be found at <https://www.eng.uwo.ca/departments-units/dean-office/strategic-plan/Engineering-Impact---Western-Engineerings-Strategic-Plan.pdf>. Western's Recruitment & Retention Office is available to assist in the transition of successful applicants and their families.

The Department of Mechanical & Materials Engineering has research expertise in design and manufacturing, mechatronics, robotics, sensors, controls, materials, solid mechanics, thermofluids, and biomechanics. Western Engineering is home to nine leading research institutes and centres such as the Fraunhofer Innovation Platform for Composites Research and the Institute for Chemicals and Fuels from Alternative Resources, as well as university research infrastructure including the specialized facilities of the nano-fabrication laboratory, Surface Science Western, and the Wind Engineering, Energy and Environment (WindEEE) Research Institute.

If you share our commitment to excellence in teaching and research and you are eager to pursue a rewarding academic career, please send us an application consisting of all of the following, at a minimum:

- i. a detailed curriculum vitae
- ii. a description of your teaching experience, accomplishments and philosophy
- iii. a description of your current research program, accomplishments, and future plans,
- iv. copies of up to three representative publications,
- v. the names of three referees
- vi. Application for Full-Time Faculty Position form available at:  
<https://www.uwo.ca/facultyrelations/pdf/full-time-application-form.pdf>.  
This form must be completed and included with your application submission.

Applications should be sent to:

Dr. A. G. Straatman, Chair,  
c/o MME Administrative Officer  
Department of Mechanical and Materials Engineering  
Western University  
London, Ontario, Canada N6A 5B9  
Email: [mme@uwo.ca](mailto:mme@uwo.ca)

Consideration of applications will commence on August 1, 2023, and will continue until the position is filled.

*Positions are subject to budget approval. Applicants should have fluent written and oral communication skills in English.*

*In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.*

*Accommodations are available for applicants with disabilities throughout the recruitment process. If you require accommodations for interviews or other meetings, please contact the MME Administrative Officer by phone at 519-661-2111 extension 82136.*

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