Western Engineering

Department of Mechanical & Materials Engineering

The Department of Mechanical & Materials Engineering
is seeking outstanding candidates for a
TENURE-TRACK 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, 2022 or as soon as possible thereafter. The successful applicant will receive a probationary (tenure-track) appointment at the rank of Assistant or Associate Professor. The academic rank and salary of the appointee will be commensurate with the successful applicant's qualifications and experience in teaching and research.

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.

The successful applicant will have completed a PhD degree in Mechanical, Industrial or Materials Engineering, or relevant similar field. The successful candidate will demonstrate excellence or clear promise of excellence in research. This should include evidence of high-quality scholarly output that demonstrates independent research potential leading to peer-assessed publications and securing of external research funding. The successful candidate will provide evidence of teaching at the university level and will be expected to teach a diversity of introductory, fundamental or advanced undergraduate and graduate courses in mechanical engineering. The successful candidate will be expected to supervise graduate students and participate in other educational and professional activities including administrative duties within the Department, Faculty and University. The successful applicant will be expected to build collaborations with researchers both from within the department and outside of it. 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 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 Mission, Vision and Values can be found at http://www.eng.uwo.ca/faculty_staff/img/Values_Mission_Statement.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.

Western University
Spencer Engineering Building, Rm. 3002 • London, ON, Canada N6A 5B9
t. 519.661.2136 • f. 519.661.3020 • www.westernu.ca

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: http://www.uwo.ca/facultyrelations/faculty/Application-FullTime-Faculty-Position-Form.pdf). This form must be completed and included with your application submission.

Applications should be sent to:

Dr. O.R. Tutunea-Fatan, Acting Chair,
c/o Ms. Karen Henry, Administrative Officer
Department of Mechanical and Materials Engineering
Western University
London, Ontario, Canada N6A 5B9
Email: karen.henry@uwo.ca

Consideration of applications will commence on May 15, 2022 and will continue until the position is filled.

Effective September 7, 2021, all employees and visitors to campus are required to comply with Western's ***COVID-19 Vaccination Policy****, available at: https://www.uwo.ca/univsec/pdf/policies_procedures/section3/mapp311_covid19.pdf*

Positions are subject to budget approval. Applicants should have fluent written and oral communication skills in English. The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, aboriginal persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression.

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 Karen Henry by phone at 519-661-2111 extension 82136.

Posted on Faculty Relations website April 1, 2022 (#2022-041)