

PAVEMENT ENGINEERING AND MANAGEMENT

The Department of Civil & Environmental Engineering (CEE) at the University of Waterloo is seeking an exceptional scholar and researcher for one tenure track position at the rank of Assistant Professor in the area of pavement engineering and management with an anticipated start date of September 1, 2021. In the case of an exceptional candidate, an appointment at the rank of Associate Professor will be considered.

The preferred candidate will have a research record in design, construction, maintenance and rehabilitation of flexible and rigid pavements. Potential areas of expertise could include, but not be limited to:

- Climate Change Considerations in Pavement Engineering;
- Pavement Sustainability, Green Technologies, and Life Cycle Assessment;
- Applications of Additive Manufacturing in Pavement Engineering;
- Applications of Nanotechnology in Pavement Engineering;
- Advanced Pavement Instrumentation and AI;
- Pavement Performance Modelling and Multi-functional Design;
- Advanced Pavement Health Monitoring and Nondestructive Testing.

Ability to teach courses such as introductory and Advanced Pavement Structural Design, Infrastructure Management, Transportation Engineering and Pavement Construction is essential. The successful candidate is expected to complement the research activities of the Endowed Norman W. McLeod Chair in Sustainable Pavement Engineering and contribute to its expansion.

The successful candidate must have a PhD in **Civil Engineering** or an equivalent discipline. Evidence of an actively developing research program with emphasis on **Pavement Engineering** is required. Duties include research, teaching at the undergraduate and graduate level, and supervising graduate students.

The ability to develop and teach an array of traditional and on-line courses is required. Applicants whose research aligns with the strategic plan of the department, which is aligned with those of the Faculty of Engineering and the University, would be especially appealing.

The salary range for this position at the **Assistant Professor** rank is **\$100,000** to \$150,000. Negotiations beyond this salary range will be considered for exceptionally qualified candidates. Applicants are expected to have engineering licenses for practice in Canada or the ability to apply for an engineering license with the Professional Engineers of Ontario within 5 years.

The closing date for applications is **February 28, 2021**. Three letters of reference will be requested for applicants invited for an interview. Send curriculum vitae, cover letter, teaching and research statements and up to three reprints of current journal and/or conference articles to: Professor Carl Haas, Chair, Department of Civil & Environmental Engineering, cee.recruiting@uwaterloo.ca.

If you have any questions regarding the position, the application process, assessment process, eligibility, or a request for accommodation during the hiring process, please contact cee.recruiting@uwaterloo.ca.

The CEE Department is one of the largest combined departments of civil, environmental, geological and architectural engineering in Canada. The department is home to more than 45 faculty members, 200 graduate students, and 1,100 undergraduate students. The faculty of Engineering is the largest engineering school in Canada, with almost 10,500 students enrolled in 2019 and is typically ranked among the top 50 engineering schools worldwide and in the top 1 or 2 in Canada. Waterloo Engineering is committed to leading engineering education and research. In 2018/19, external research funding from Canadian and international partners exceeded \$96 million, a strong indication of our extensive industry partnerships and the excellence of our engineering research programs.

The University of Waterloo regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. As such, we encourage applications from women, persons with disabilities, Indigenous peoples, members of visible minorities, and others who may contribute to the further diversification of ideas. At Waterloo, you will have the opportunity to work across disciplines and collaborate with an international community of scholars and a diverse student body, situated in a rapidly growing community that has been termed a “hub of innovation.”

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

Three reasons to apply: <https://uwaterloo.ca/faculty-association/why-waterloo>.