



Professor, Millimetre-wave and THz-Frequency Components and Systems, Department of Electrical and Computer Engineering.

The [Department of Electrical and Computer Engineering](#) (ECE) in the Faculty of Engineering at the University of Waterloo, invites applications for a tenured or tenure-track position at the rank of Associate Professor or Professor in the following areas with the expectation of interdisciplinary collaborations: millimetre-wave and tera-hertz (THz) theory and techniques, antennas, circuits and systems, microwave and THz photonics, theoretical and computational electromagnetics, 6th generation technology, advanced electronic packaging, and other emerging areas.

The ECE department is currently home to more than 95 faculty members with a [cluster](#) of 10 professors actively pursuing research in the area of antennas, microwaves, and wave optics. Their research is supported by several test/measurement and micro- and nano-fabrication laboratories providing world-class infrastructure for device, circuit, component and electromagnetic radiation characterization over MHz to THz (e.g., [CIARS](#), [CIRFE](#), [EmRG](#), and [QNFCF](#)).

Applicants must have a doctoral degree in Electrical Engineering, Engineering Physics, or a closely related discipline. Evidence of a well-developed and active research program is required and a strong track record of industrial partnerships is an asset. In addition to research, duties include teaching at the undergraduate and graduate levels, supervision of graduate students, and professional and administrative service. Salaries are competitive, and are determined according to the accomplishments, experience, and qualifications of the candidate. The successful candidate will be required to have an engineering license for practice in Canada or to apply for an engineering license or limited professional engineering license within five years.

Interested applicants should send a curriculum vitae, a statement of research and teaching interests, and the names of at least three references to the Faculty Search Coordinator via the online system at <https://ecefes.uwaterloo.ca/OFAS/index.php>. Applications **submitted by September 1st, 2022**, will be accepted for full consideration, with an anticipated start date **as early May 1, 2023**.

The salary range for this position is \$140,000 to \$200,000. Salaries are competitive, and are determined according to the accomplishments, experience, and qualifications of the candidate.

The ECE department is one of the largest ECE departments in Canada. The graduate programs of the department attract outstanding Canadian and international applicants, with an enrollment of more than 700 graduate students. The graduate research in ECE covers 14 technical areas with collaborative graduate programs in Nanotechnology and Quantum Information. The undergraduate programs offered by the ECE Department include Computer Engineering, Electrical Engineering, Software Engineering (jointly with the David R. Cheriton School of Computer Science), Mechatronics Engineering (jointly with the Departments of Mechanical & Mechatronics Engineering and Systems Design Engineering), Nanotechnology Engineering (jointly with the Departments of Chemistry and Chemical Engineering) and Biomedical Engineering (jointly with several departments including Systems Design Engineering) attract and enroll top students from across North America.

The University of Waterloo campus encompasses an exciting research and teaching environment. Researchers benefit from the very generous intellectual property policy of the University, which vests the rights with the inventor. With a strategic commitment focused on technology innovation and entrepreneurial learning, the university has been named "Best Overall" by reputation in Canada with the Faculty of Engineering ranked among the top 50 engineering schools worldwide. Located in a vibrant two-university community within the Region of Waterloo (population of 600,000) in southwestern Ontario, the campus is home to the world's largest post-secondary co-operative education program. The campus is within easy driving distance to the city of Toronto, where researchers benefit from close connections with the many high-technology companies in the Waterloo and greater Toronto area. The region is also close to many recreational vicinities offered by the Great Lakes and Provincial Parks.

The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Neutral, Anishinaabeg and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land granted to the Six Nations that includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is centralized within our Indigenous Initiatives Office (<https://uwaterloo.ca/human-rights-equity-inclusion/indigenousoffices>).

The University values the diverse and intersectional identities of its students, faculty, and staff. The University regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. The University of Waterloo seeks applicants who embrace our values of equity, anti-racism and inclusion. As such, we encourage applications from candidates who have been historically disadvantaged and marginalized, including applicants who identify as Indigenous peoples (e.g., First Nations, Métis, Inuit/Inuk), Black, racialized, people with disabilities, women and/or 2SLGBTQ+.

The University of Waterloo is committed to accessibility for persons with disabilities. If you have any application, interview or workplace accommodation requests, or if you have any questions regarding the position, the application process, assessment process, or eligibility, please contact the recruitment committee via Brenda McQuarrie at bmcquarr@uwaterloo.ca.

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>