



***Tenure-Track Assistant Professor, in the area of Microwave to THz Applied Electromagnetics,  
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 one (1) tenure-track position at the rank of Assistant Professor ***in the area of Microwave to THz Applied Electromagnetics***, with an anticipated start date of **September 1, 2024**. In the case of an exceptional candidate, an appointment at the rank of Associate Professor or Full Professor will be considered.

We are seeking candidates with expertise in the following areas: Applied Electromagnetics including Antenna design and Microwave/Millimetre-wave/THz Technologies with applications in communication, sensing, radar, imaging, biomedical systems, and other related areas.

The ECE department has a cluster of 10 professors actively pursuing research in the area of antennas, microwaves, and wave optics (<https://uwaterloo.ca/electrical-computer-engineering/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 measurements spanning the MHz to THz frequency range (e.g., CIARS (<https://uwaterloo.ca/centre-for-intelligent-antenna-and-radio-systems/>), CIRFE (<https://uwaterloo.ca/centre-integrated-rf-engineering/>), EmRG (<https://uwaterloo.ca/emerging-radio-systems-group/>), and QNFCF (<https://uwaterloo.ca/quantum-nano-fabrication-and-characterization-facility/>)).

Applicants must have a PhD degree in Electrical Engineering or a closely related discipline. Evidence of a well-developed and active research program is required; 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. The successful candidate will be equally committed to ensuring excellence in teaching and research.

Based on qualifications and rank hired, annual salary will typically range from **\$120,000 to \$160,000**. For exceptionally qualified candidates, a higher annual salary will be considered. The successful applicant is required to have an engineering license for practice (full) or teaching (limited) in Canada, or to apply for a Canadian engineering license within the first year of joining the University. Due to program accreditation requirements, all new faculty members are required to obtain the license within five years of initial appointment at the University of Waterloo and maintain it during their employment at the University.

Interested candidates should submit a cover letter, a current curriculum vitae, a research statement, a statement of teaching philosophy and goals, two to five selected publications, and the names of at least three references to <https://ofas.uwaterloo.ca>. Applications received by **March 30, 2024** will be given full consideration.

The department currently has more than 95 faculty members and is one of the largest engineering departments in Canada. Our graduates are highly sought out all around the world for their exceptional technical training and abilities. The University of Waterloo excels at experiential learning via the world's

largest post-secondary co-operative education program. For the past two decades, the University of Waterloo has been recognized in a national reputation survey of universities as 'best overall', 'most innovative', and producing 'leaders of tomorrow'. A recent survey of business leaders ranked Waterloo Engineering as number one in Canada.

Waterloo has a generous, inventor-owned IP policy and is encouraging entrepreneurial activities of their students and Faculty. The Toronto-Waterloo Region Corridor has been recognized as one of the world's premier locations to start a company. In 2021, \$7.7 billion went to start ups in Toronto and Waterloo. Toronto-Waterloo is Canada's leading start up ecosystem, ranking number 17 globally, according to Startup Genome's 2022 Global Startup Ecosystem Report. Multiculturalism is one key to the region's ongoing success as a hub for innovation, driven by Canada's social-democratic values and attracting talent from around the world.

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/indigenousinitiatives>).

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](mailto: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>.