



***Tenure-track Assistant Professor in the area of Nanomaterials and Devices for Electronics and Photonics, 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 tenure-track position at the rank of Assistant Professor in the area of Nanomaterials and Devices for Electronics and Photonics, with an anticipated start date of July 1, 2024. For exceptional candidates, an appointment at the rank of Associate or Full Professor will be considered.

A founding partner of the University of Waterloo Nanotechnology Engineering undergraduate and graduate programs, the ECE 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 department is home to the QNC MBE Laboratory (<https://uwaterloo.ca/molecular-beam-epitaxy>) as well as the Giga-to-Nanoelectronics Centre (<https://uwaterloo.ca/giga-to-nanoelectronics-centre>), and is an active partner in the Quantum-Nano Fabrication and Characterization Facility (<https://uwaterloo.ca/quantum-nano-fabrication-and-characterization-facility>), enabling research that spans the synthesis, growth, processing, fabrication and characterization of nanoscale and epitaxial materials and devices for electronics, optoelectronics and photonics, and their utilization in commercial applications.

We encourage applications from candidates working in the broad and interdisciplinary area of electronic and photonic materials and devices on a topic with significant engineering applications. Areas of interest include, but are not limited to, the synthesis, growth, processing, fabrication and characterization of 0D, 1D, 2D and epitaxial materials and devices, and their applications in novel electronic, optoelectronic, and photonic systems.

Applicants should have a doctoral degree in Electrical Engineering, Engineering Physics, or a closely related discipline. Candidates must demonstrate a strong commitment to research, teaching (graduate and undergraduate courses), and service. Based on accomplishments, experience, and qualifications of the successful candidate, the annual salary will typically range from \$120,000.00 to \$160,000.00. Negotiations beyond this salary range will be considered for exceptionally qualified candidates. 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 the following: a cover letter, a current curriculum vitae, a research statement, a statement of teaching philosophy and goals, two to four selected publications, and the names of three references to <https://ofas.uwaterloo.ca>. Applications will be considered upon receipt. Interested applicants are encouraged to apply by **January 15, 2024**. Applications will be accepted until the position is filled.

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. The University of Waterloo has a generous, inventor-owned IP policy and encourages entrepreneurial activities of its 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 startups in Toronto and Waterloo. Toronto-Waterloo is Canada's leading startup 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/indigenousoffice>).

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 [bmcquarrie@uwaterloo.ca](mailto:bmcquarrie@uwaterloo.ca). Please put the position you are applying for in the subject line so we can address your request promptly.

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>.