



***Tenure-track Faculty positions, Computer Software and Computer Hardware, Department of Electrical and Computer Engineering***

The Faculty of Engineering at the University of Waterloo is consistently ranked #1 in Canada (<https://uwaterloo.ca/engineering/news/waterloo-ranked-top-engineering-school-canada-0>) and in the top 50 engineering faculties in the world (<https://www.topuniversities.com/university-rankings/university-subject-rankings/2022/engineering-technology>). It occupies a singular space in the world of technology and innovation because of its unique co-operative education programs, entrepreneurship ecosystems, and strong partnerships with industry.

The Department of Electrical and Computer Engineering in the Faculty of Engineering at the University of Waterloo invites applications for four tenure-track positions at the rank of Assistant Professor with an anticipated start date of July 1, 2023. We seek outstanding researchers working in the broad areas of Computer Engineering and Computer Science, including both software and hardware. For exceptional candidates, an appointment at the rank of Associate Professor or Professor will be considered.

Applicants must have a PhD in Computer Engineering, Computer Science, or a closely related discipline. Evidence of an actively developing research program is required. We encourage applications from candidates in the following areas:

- **Computer software** (Two positions). All areas of computer software including but not limited to operating systems, distributed systems, database systems, software engineering, programming languages, compilers, verification, algorithms, theory, and software security.
- **Computer hardware** (Two positions). All areas of computer hardware including but not limited to accelerator design, computer architecture, embedded systems, reconfigurable computing, high-level synthesis, programming models for hardware, and hardware security.

In addition to research, duties include teaching at the undergraduate and graduate levels, supervision of graduate students, and service. The successful candidate will be equally committed to ensuring excellence in undergraduate and graduate teaching as they are to research.

Based on qualifications and rank hired, annual salary will typically range from \$125,000 to \$175,000. For exceptionally qualified candidates, a higher annual salary will be considered. The successful candidate will be required to have an engineering license for practice in Canada or to apply for an engineering license or limited engineering license within five years.

Interested candidates should submit the following: a cover letter, 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://ecefes.uwaterloo.ca/OFAS/index.php>.

Applications will be considered upon receipt, with full consideration assured for those received by **December 31, 2022**.

The department currently has more than 95 faculty members and is one of the largest engineering departments in Canada. Our research is led by faculty members who are internationally recognized for their expertise and holders of many prestigious awards (E. W. R. Steacie Memorial Fellowship, IEEE Fellowships, Royal Society of Canada Fellowships, etc.) and research chairs. 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>.