Tenure-track Assistant Professor (2), Electric Power Distribution Systems and Power Electronics

The Department of Electrical & Computer Engineering (ECE) at the University of Waterloo invites applications for the following faculty positions with an anticipated start date of September 1, 2027.

a. Tenure-Track Assistant Professor in Electric Power Distribution Systems, specializing in active distribution network planning, operation, analysis, and control; integration of distributed energy resources, microgrids, and integration of electrification technologies and large loads.
b. Tenure Track Assistant Professor position focused on Power Electronics and their applications in electric machines and drives, transportation electrification, renewable energy, energy storage, and HVDC/FACTS systems.

Applicants must have a PhD in Electrical Engineering, Computer Engineering, or a closely related discipline. The successful candidate is expected to establish an internationally recognized research program and therefore evidence of an actively developing research program is required. The positions will be at the rank of Assistant Professor but in exceptional cases, an appointment at the rank of Associate Professor or Professor will be considered.

Duties for tenure-stream faculty include research, teaching at the undergraduate and graduate level, and supervising graduate students. The successful candidate will be equally committed to ensuring excellence in undergraduate and graduate teaching as they are to research. The initial appointment will be for a 3-year probationary term, with the possibility of renewal for a second probationary term, and formal consideration for tenure thereafter based on outstanding performance.

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.

The salary will be based on the qualifications, rank hired, and experience of the candidate, and can be expected to be typically ranging from $120,000 to $160,000, annually. For exceptionally qualified candidates, a higher annual salary will be considered. Interested candidates should submit: a cover letter, a curriculum vitae, a research statement, a statement of teaching philosophy and goals, selected publications (maximum four), and the names of at least three references to https://ofas.uwaterloo.ca/.

Applications received by **January 2, 2027** will be given full consideration. However, applications will continue to be reviewed until the position is filled**.**

The university is committed to leadership in technology-enabled learning. It is a vibrant community built around teaching excellence and scholarship in teaching, with direct and active institutional support through its Centre for Teaching Excellence and resources deployed in the faculties and departments. There is a strategic commitment to research-enhanced, technology-enhanced, and entrepreneurship-enhanced learning. 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 frequently recognized in a national reputation survey of universities as 'best overall', 'most innovative', and producing 'leaders of tomorrow'.

ECE at Waterloo currently has over 90 faculty members and is one of the largest engineering departments in Canada. The undergraduate programs in Electrical Engineering, Computer Engineering, Software Engineering (offered jointly with the David R. Cheriton School of Computer Science), Mechatronics Engineering (offered jointly with the Departments of Mechanical and Mechatronics Engineering and Systems Design Engineering), Nanotechnology Engineering (offered jointly with the Departments of Chemistry and Chemical Engineering), and Biomedical Engineering (offered jointly with several departments including Systems Design Engineering) attract outstanding students, both domestic and international. The department also administers a world-class graduate program, which drives cutting-edge research excelling in technological innovations and encompassing all major areas of electrical and computer engineering. 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 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.

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.