

Lecturer in Automation and Controls

The Department of Mechanical and Mechatronics Engineering at the University of Waterloo invites applications for a **Lecturer faculty position**. We are seeking submissions from outstanding teachers who are passionate about working with students with a **focus on Mechatronics**, with an anticipated start date in **April 2024**. This definite term appointment is at the rank of Lecturer within our teaching faculty stream and is for three years. The successful candidate must have excellent communication skills, and a PhD in Mechatronics Engineering, Electrical Engineering, Mechanical Engineering, or a closely related discipline.

Ideal candidates should have demonstrated excellence in teaching and learning, including course delivery and design, particularly for core first and second year courses, with the potential to teach upper year courses including technical electives, and graduate courses. Experience with educational technologies and tools is an asset. The primary focus will be teaching undergraduate courses in **circuits, introduction to electrical engineering for mechanical and mechatronic students, industrial automation using PLCs, microprocessor systems, and programming**. The candidate should be comfortable bringing real-world applications into the classroom, and providing support for student capstone projects, particularly in the area of **power electronics, actuators, energy capture devices, instrumentation, and sensors**. Hands-on and industry experience in any of these areas is an asset.

The Lecturer teaching load in the department is currently 10 courses over two years. Besides assigned undergraduate courses, the successful candidate will mentor undergraduate students in our design courses. This position will involve active engagement in student outreach activities and student clubs. Preference will be given to candidates who have demonstrated exceptional teaching skills and a diversity of experience, including industry experience.

The salary range for this position is \$105,000 to \$130,000 CAD. The closing date for applications is **October 16, 2023**. The successful candidate is required to have an engineering license for practice (full) or teaching (limited) in Canada or to apply for a Canadian license within the first year of joining the University. Due to program accreditation requirements, all new faculty members are normally expected to obtain the license before the end of the first term.

To apply, individuals are to complete an online application form that includes uploading a single PDF containing the following in order:

1. Brief cover letter;
2. Statement of teaching philosophy and interests;
3. Diversity impact statement addressing how the candidate's teaching program will advance equity, diversity, and inclusion goals (compare e.g. NSERC guide);
4. Current curriculum vitae; and
5. An appendix containing the following:
 - a. Evidence of prior excellence in teaching, and
 - b. Examples of teaching materials developed by the candidate

Three letters of reference will be requested from applicants invited for an interview.

The link to apply is here: <https://uwaterloo.ca/engineering/application-lecturer-automation-and-control>

The cover letter to be addressed to:

Professor Michael Collins
Chair, Department of Mechanical and Mechatronics Engineering, University of Waterloo

Information about the Faculty, Department and Research Group can be found at the following links: <https://uwaterloo.ca/engineering/> and <https://uwaterloo.ca/mechanical-mechatronics-engineering/> and <https://uwaterloo.ca/mechanical-mechatronics-engineering/research/automation-and-controls-research>

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/indigenoust initiatives) (<https://uwaterloo.ca/human-rights-equity-inclusion/indigenoust initiatives>).

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, please email mme-LecturerAC@uwaterloo.ca

If you have any questions regarding the position, the application process, assessment process, or eligibility, please email mme-LecturerAC@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>.