Department of Electrical & Computer Engineering, Computer Hardware

The Department of Electrical & Computer Engineering at the University of Waterloo invites applications for a tenure track position with an anticipated start date of July 1, 2019. Candidates with proven research in the general area of **Computer Hardware** centering on one or more of the following topics: micro-architecture; hardware security; hardware acceleration for networking and databases; hardware for machine learning; and, high-level synthesis are especially appealing. It is anticipated that the position will be at the rank of Assistant Professor. In exceptional cases, an appointment at the rank of Associate Professor or Full Professor will be considered.

Applicants must have a PhD in Computer Engineering, Electrical Engineering, Computer Science or a related discipline. Evidence of an actively developing research program is required. Qualified applicants must demonstrate the ability to teach in one of the following areas: computer architecture, register-transfer level design, and embedded computer systems. The successful candidate will be equally committed to ensuring excellence in undergraduate and graduate teaching as he or she is to research. Duties will include research, teaching at the undergraduate and graduate level, and supervising graduate students. In addition, the candidate will be expected to develop and teach innovative graduate courses.

Based on qualifications and rank hired, annual salary will typically range from $100,000 to $150,000. 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: a cover letter, a current 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://ecefas.uwaterloo.ca/OFAS/index.php.

Screening will begin immediately upon receipt of a complete application. To ensure full consideration, the **application should be received before January 15, 2019.**

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 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 department currently has more than 95 faculty members and is one of the largest engineering departments in Canada. The undergraduate programs in Computer Engineering, Electrical 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.

If you have any questions regarding the position, the application process, assessment process, eligibility, or a request for accommodation during the hiring process, please contact the recruitment committee via email: ece.recruiting@uwaterloo.ca.

The University of Waterloo regards diversity as an integral part of academic excellence and is committed to employment equity and accessibility for all employees. As such, we encourage applications from women, Indigenous (First Nations, Métis and Inuit) peoples, persons with disabilities, members of diverse gender identities, and others who may contribute to the further diversification of ideas. At Waterloo, you will have the opportunity to work across disciplines and collaborate with an international community of scholars and a diverse student body, situated in a rapidly growing community that has been termed a “hub of innovation”. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will receive priority in the recruitment process.

Three reasons to apply: https://uwaterloo.ca/faculty-association/why-waterloo.