

The University of British Columbia, Faculty of Applied, School of Engineering, Assistant Professor/Associate Professor

As one of the world's leading universities, the University of British Columbia (UBC) creates an exceptional learning environment that fosters global citizenship, advances a civil and sustainable society, and supports outstanding research to serve the people of British Columbia, Canada, and the world.

The Faculty of Applied Science's School of Engineering at UBC's Okanagan Campus has world-class faculty and an innovative engineering curriculum to offer undergraduate and graduate engineering degrees in Electrical, Civil, Manufacturing, and Mechanical specializations. UBC's Okanagan campus is situated in Kelowna on the unceded lands of the Okanagan people, and Kelowna is surrounded by agricultural areas, lakes, forests, and mountains. Kelowna is a four-season playground for a diversity of outdoor activities.

Our values

Our work is shaped by our values: professionalism and integrity; scholarship and teaching excellence; commitment to students; partnerships and collegiality; initiative, innovation, and willingness to change; community, the environment, and sustainability. We hold these values as an integral frame of reference to inform our decisions and actions at every level and in every situation. The ideal candidate will have a strong commitment to Indigenous engagement. As part of the University's response to the Truth and Reconciliation Commission's Calls to Action, UBC Okanagan has committed to supporting and implementing five key commitments, which can be found at <https://ok.ubc.ca/about/indigenous-engagement/>

The School of Engineering invites you to join us in achieving UBC's vision and invites applications for one tenure track position at the rank of Assistant Professor or Associate Professor. To be considered at the rank of Associate Professor, applicants must have evidence of successful teaching and a proven record of publications and funding. The rank of Associate Professor may include tenure for appropriate candidates. The anticipated start date is January 1, 2023.

Position: Computing for Emerging Technologies

This position will strengthen our current expertise in computer engineering. The faculty will play an instrumental role in the computer engineering program that the School of Engineering wishes to offer in the near future. This position will augment our strengths in big data analytics, artificial intelligence, the Internet of Things, cloud computing, blockchain technology, and digital twins for Smart Building and Smart City applications.

Expertise in one or more of the following research topics is of interest for this position: micro intelligence systems, modern computer architecture, parallel architectures, hardware architecture for deep learning, big data hardware, neuromorphic computing, VLSI design for artificial intelligence, quantum computing, high-performance computing, and cybersecurity on chips.

Eligibility and duties

Applicants must hold a Ph.D. in electrical and computer engineering or related disciplines and have either a demonstrated track record or possess a clear potential to achieve excellence in research and teaching. The successful candidates will be expected to develop an independent, internationally recognized research program, teach at the undergraduate and graduate levels, supervise and mentor Master's and Ph.D. students, and provide service to the University and the community. Successful candidates are expected to be eligible to register as a Professional Engineer in the Province of British Columbia.

Diversity and inclusion

Equity and diversity are essential to academic excellence, and UBC seeks to recruit and retain a diverse workforce to maintain the excellence of the University. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged and offers students richly varied disciplines, perspectives, and ways of knowing and learning. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority. All positions are subject to final budgetary approval.

Application submission

Interested applicants should submit a CV, a list of four references, and research and teaching statements. In addition, please include a statement about your strengths and experiences in increasing equity, diversity, and inclusion in your research and the curriculum and in supporting diverse students. Applications must be submitted online at https://ubc.wd10.myworkdayjobs.com/en-US/ubcfacultyjobs/job/UBC-Okanagan-Campus/Assistant-Professor-Associate-Professor_JR6733 (Job ID JR6733); emailed applications will not be considered. Our department welcomes and encourages applications from members of marginalized groups. Accessibility or special consideration accommodations are available on request for all applicants at all stages of the selection process. To confidentially request accommodations, please contact Ms. Renee Leboe via email renee.leboe@ubc.ca.

Details to include on research, teaching, and diversity statements

Research Statement: Please include information about your research expertise and experience and about your research plan as a new faculty member, including as appropriate current and potential collaborators (at UBC and elsewhere) and sources of funding.

Teaching Statement: Your teaching statement should describe your teaching interests and experience. Also, explain your teaching philosophy, including specific examples that have informed the evolution of that teaching philosophy.

Diversity Statement: In your application, please include a statement describing your experience working with a diverse student body and your contributions to creating/advancing a culture of equity and inclusion on campus or within your discipline.

Review of applications

Review of applications will begin May 1, 2022; all applications received by May 1, 2022, will receive full consideration.