The University of British Columbia, Faculty of Applied, School of Engineering

The School of Engineering at the University of British Columbia (UBC), Okanagan campus, invites you to join us in achieving UBC's vision and invites applications for a tenure track position at the rank of Assistant Professor. The anticipated start date is January 1, 2022.

As one of the world's leading universities, 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/

Position: Computing for Emerging Technologies

This position will strengthen our current expertise in computer engineering. The successful candidate 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, Internet of Things, cloud computing, blockchain technology, and digital twins for Smart Building and Smart City applications.

Specific areas of interest may include micro intelligence systems, hardware architecture for deep learning, big data hardware, neuromorphic computing, VLSI for artificial intelligence, quantum computing, or high-performance computing.

Applicants with a Ph.D. in Electrical and Computer Engineering or a related discipline are encouraged to apply. The successful candidate is expected to demonstrate collaboration leadership and work in interdisciplinary research areas with other established research clusters and laboratories within the School and at UBC.

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 candidate 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. The successful candidate is also expected 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/ubcfacultyjobs (JR1875); 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 Teija Wakeman via email teija.wakeman@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 17, 2021; all applications received by June 1, 2021, will receive full consideration.