

## **FACULTY OF APPLIED SCIENCE - SCHOOL OF ENGINEERING**

The School of Engineering invites outstanding individuals to apply for three tenure-track positions at the Assistant or Associate Professor level. Applicants must have strong records demonstrating outstanding research, as well as a commitment to quality teaching at both the undergraduate and graduate levels. The successful applicants must have an earned Ph.D. in Civil Engineering or related discipline, and should either have or be eligible to pursue, registration with Engineers and Geoscientists British Columbia. Experience with indigenous and northern communities is an asset.

As one of the world's leading universities, The University of British Columbia (UBC) offers 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 School of Engineering invites you to join us in achieving UBC's vision.

The Faculty of Applied Science's School of Engineering at UBC's Okanagan campus has assembled world-class faculty and developed an innovative engineering curriculum to offer undergraduate and graduate engineering degrees. The campus is situated in one of the most scenic and appealing regions in Canada and offers faculty and students exciting opportunities for interdisciplinary and region-centered research.

The successful candidates must have demonstrated research excellence, exceptional communication skills, and evidence of effective teaching. Experience with undergraduate and graduate student supervision is desirable. Prior field and teaching experience in the area of research expertise would be an asset. The successful candidates must be able and willing to teach courses at all levels, including senior engineering design and graduate courses. They would be expected to participate in departmental service and activities, with a broad network of engineers in academic and industry settings. The successful candidates, in collaboration with existing faculty members, would foster and promote the entrepreneurial aspirations of the students and the School-at-large. Evidence of establishing international research collaborations would be an asset.

### **Water Resources Engineering (Job Opening ID #34340)**

Desirable research expertise includes but is not limited to hydrological science and modelling, water resources engineering and management, climate change impacts on water resources, water security, sustainable use of water resources and its distribution, wastewater collection, irrigation drainage, hydro-technical aspects of dams and/or any area related to water resources engineering. Expertise in numerical modelling, computer simulation, geographic information system (GIS), data analytics, and big data will be considered as an asset.

### **Green Communities and Infrastructure Engineering (Job Opening ID #34345)**

The desired areas of research expertise are within healthy and resilient communities or green infrastructure and construction. This includes sustainable and smart city planning, development and management; urban air emissions, control and dispersion modelling; and impacts of urban development on public health; green building construction and management; and building information modelling, data analytics, and applications of the internet-of-things.

### **Computational Mechanics in Civil Engineering (Job Opening ID #34341)**

Desirable research expertise includes the application of computational methods in civil infrastructure, algorithm development and programming. Specific area includes linear and nonlinear analyses in structural mechanics; large scale simulation of structural behaviour; multiscale modelling of deformation and material behaviour; and computational/solid mechanics with theoretical aspects of continuum mechanics.

## How to Apply

To apply for this position, please visit the link - <http://www.hr.ubc.ca/careers-postings/faculty.php> (search for applicable Job Opening ID#XXXXX)

Applicants should provide a Curriculum Vitae, Statement of Teaching Philosophy, Research Plan, and a list of three Referees. The preferred format is Adobe Acrobat (.pdf) file format. Please declare whether you are legally entitled to work in Canada. For assistance, please contact, [recruitment.apsc@ubc.ca](mailto:recruitment.apsc@ubc.ca).

Application closing date is Sept. 30, 2019. Applications will be reviewed beginning in October 2019. The appointment is expected to commence on July 1, 2020.

“Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. 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.”