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

The School of Engineering at the University of British Columbia, Okanagan campus, invites applications for up to 3 tenure track positions at the rank of Assistant Professor. The School is committed to supporting the growth of the successful candidate(s) at all stages in their career. Appointment at the rank of Associate Professor or Professor, with or without tenure, may be considered for applicants with exceptional qualifications and experience. The anticipated start date is September 1, 2022.

We welcome applicants from all fields related to manufacturing engineering, including those who would engage with existing fields of strength and those who would inspire new areas of growth. Hiring decisions will be made based on the candidate's potential to achieve excellence in research and teaching that broadly benefits all Canadians and the global community. We celebrate and embrace diversity, inclusion, equity, and Indigeneity within the School, and these values are foundational to succeeding in our mission to 'shape the leaders and professions that shape the world.'

Location

UBC's Okanagan campus is situated in Kelowna on the ancestral, traditional, and unceded territory of the Syilx Okanagan people who continue their thousands of years of stewardship today. Kelowna is surrounded by agricultural areas, lakes, forests, and mountains making it a four-season playground for a variety of outdoor activities, gastronomy, and culture.

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 believe that equity, diversity, inclusion, and Indigenous reconciliation build an environment in which students, staff, and faculty will share intercultural understanding, empathy, and mutual respect for the rights of all people. 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 these values. To learn more please visit https://apsc.ubc.ca/EDI and https://ok.ubc.ca/about/indigenous-engagement/.

Position

Manufacturing Engineering is the School's newest undergraduate program and strengthens UBC's impact on the evolving world of advanced design and manufacturing. The program is offered at both the Vancouver and Okanagan campuses, with the Vancouver campus specializing in manufacturing science and the Okanagan campus specializing in production management.

We are seeking applicants in **all fields of manufacturing engineering**. Candidates whose interests are in any area of manufacturing engineering are strongly encouraged to apply, including:

> *Information Systems Engineering and Management* - Data and knowledge management, big data, cybersecurity, cloud-based technologies in manufacturing, production system monitoring, control, and optimization, resource planning, operations research, predictive maintenance, artificial intelligence, machine learning.

> *Digital Manufacturing* - Digital transformation in manufacturing, digitalization for product lifecycle management (PLM), enterprise resource planning (ERP), computer-integrated

manufacturing (CIM), industrial internet of things (IIOT), Industry 4.0, cyberphysical production systems (CPPS), modelling of manufacturing processes, smart factories.

Robotics - Robotics for industrial applications, robot vision, immersive technologies in manufacturing, human-machine interaction, collaborative and assistive robotics, artificial intelligence, autonomous systems, embedded systems, smart-sensor infrastructure.

Eligibility and duties

Applicants must hold a Ph.D. in a related field. The successful candidate will be expected to develop a research program, teach at the undergraduate and graduate levels, supervise Master's and Ph.D. students, and provide service to the University and the community. The successful candidate is expected to register as a Professional Engineer in the Province of British Columbia.

Equity, diversity, inclusion, and Indigeneity

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.

Application submission

Interested applicants should submit a CV, a research statement, a teaching statement, and an equity, diversity, inclusion, and Indigeneity statement. Applications must be submitted online at https://ubc.wd10.myworkdayjobs.com/en-US/ubcfacultyjobs/job/UBC-Okanagan-Campus/Assistant-Professor---MANF_JR6864 (Job ID JR6864); emailed applications will not be considered.

Details to include in each statement:

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

Teaching Statement: Please explain your teaching philosophy and give specific examples that have informed it. Include a description of your teaching interests and experience.

Equity, Diversity, Inclusion and Indigeneity Statement: Please explain how contributions within your role will help advance a culture of equity, diversity, inclusion, Indigeneity, and reconciliation. Include evidence to support and ideas towards working with a diverse student body, creating an inclusive learning environment, and facilitating respectful engagement.

UBC welcomes and encourages applications from people with disabilities. Accessibility or special consideration accommodations are available on request for all applicants. To confidentially request accommodations, please contact Renee Leboe via email renee.leboe@ubc.ca.

Review of applications

Review of applications will begin May 1, 2022; all applications received by then will receive full consideration. Applications will continue to be accepted until the positions are filled. All positions are subject to final budgetary approval.