



THE UNIVERSITY OF BRITISH COLUMBIA

Assistant Professor in Advanced Manufacturing

The Department of Mechanical Engineering at the University of British Columbia, Vancouver campus, invites applications for up to two tenure-track faculty positions in the field of Advanced Manufacturing at the rank of Assistant Professor, starting July 1, 2022, or shortly thereafter. A tenured Associate or Full Professor appointment will be considered in exceptional cases. We are particularly interested in applicants with expertise in industrial robotics and automation, robot assisted manufacturing, precision manufacturing and metrology, which are areas complementary to existing departmental expertise. Relevant industrial experience is an asset.

The Faculty of Applied Science at UBC has recently launched a new undergraduate program in Manufacturing Engineering that is jointly run by the Department of Mechanical Engineering and the Department of Materials Engineering on the Vancouver campus, and the School of Engineering on the Okanagan campus. The successful candidates will support the program and be appointed in the Department of Mechanical Engineering or jointly appointed in the Department of Materials Engineering. Undergraduate teaching will primarily take place in the new Manufacturing Engineering undergraduate program while research will be undertaken within the department(s).

Applicants must hold a Ph.D. (or equivalent) in Mechanical Engineering, Manufacturing Engineering, or a related discipline, and should demonstrate the potential to achieve excellence in research and teaching. Successful candidates will 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. They are expected to register as a Professional Engineer in the Province of British Columbia.

UBC's Vancouver campus is situated at the tip of Point Grey on the unceded lands of the Musqueam people, surrounded by forest, ocean and mountains. Vancouver is consistently ranked as one of the most diverse cities in Canada, and one of the most livable cities in the world. UBC seeks to recruit and retain a workforce that is representative of Vancouver's diversity, to maintain the excellence of the University, and to offer students richly varied disciplines, perspectives and ways of knowing and learning.

All of 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.

Interested applicants should submit a single PDF file including a cover letter, a CV, a list of four references, and research, teaching, and diversity statements. Applications must be submitted online at <https://ubc.wd10.myworkdayjobs.com/en-US/ubcfacultyjobs/job/UBC->

[Vancouver-Campus/Assistant-Professor-in-Advanced-Manufacturing-1_JR4447](#); 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 Mr. Rico Choi, Operations & HR Manager at rico@mech.ubc.ca.

Review of applications will begin November 1, 2021; all applications received by November 30, 2021 will receive full consideration.

Details on Research Statement: Please include both 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.

Details on Teaching Statement: Your teaching statement should describe your teaching interests and experience at any and all scales from one-on-one tutoring to small group tutorials to teaching large section courses. Also, explain your teaching philosophy, including specific examples that have informed the evolution of that teaching philosophy.

Details on Diversity Statement: UBC's strategic plan identifies inclusive excellence as one of our key priorities. We welcome colleagues with the experiences and competencies that can contribute to our principles of equity, diversity, and inclusion throughout campus life. 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.

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. These positions are subject to final budgetary approval.