

Tenure-Track Assistant Professor Positions (2) in
Engineering Design, Manufacturing, and Mechatronic
University of Calgary

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Posted Mar. 5, 2025, set to expire Jul. 7, 2025

Job Title	Tenure-Track Assistant Professor Positions (2) in Engineering Design, Manufacturing, and Mechatronics
Department	Mechanical & Manufacturing Engineering https://schulich.ucalgary.ca/mechanical-manufacturing
Institution	University of Calgary Calgary, Alberta
Date Posted	Mar. 5, 2025
Application Deadline	Mar. 31, 2025
Position Start Date	mutually agreed upon date
Job Categories	Assistant Professor
Academic Field(s)	Mechanical Engineering
Job Website	https://careers.ucalgary.ca/search/jobs?cf%5bjob_function%5d%5b%5d=FA1&cf%5bjob_function%5d%5b%5d=FA1
Apply Online Here	https://careers.ucalgary.ca/jobs/15744894-tenure-track-assistant-professor-positions-2-in-engineering-design-manufacturing-and-mechatronics
Apply By Email	
Job Description	

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Position Description

The **Department of Mechanical and Manufacturing Engineering** at the **University of Calgary** invites applications for **two tenure-track** Assistant Professor positions in Engineering Design, Manufacturing, and Mechatronics. The anticipated start date is July 1, 2025, or at a mutually agreed-upon date.

We are seeking candidates who will complement and strengthen our research and teaching expertise in design, manufacturing, and mechatronics. Specific areas of interest include, but are not limited to:

- Core manufacturing processes such as machining, forming, casting, and joining, as well as process modeling, optimization, and integration.
- Advanced manufacturing technologies, including automation, robotics, and sensing systems integrated with traditional processes, cyber-physical systems, and Industrial Internet of Things (IIoT).
- Engineering design methodologies, with applications in product development, system optimization, and sustainable design.
- Instrumentation and control systems, with relevance to manufacturing and automated systems, mechatronics, and quality control.

The successful candidates will be emerging leaders with a passion for creative intellectual endeavors. This will be evidenced by a strong record of high-quality publications and research impact, the potential to establish an independent and internationally recognized research program, and the ability to attract external funding and foster local and international collaborations. Candidates should also demonstrate a commitment to providing an excellent training environment for graduate students and research personnel.

Successful candidates will be expected to teach and develop undergraduate and graduate courses in core areas of mechanical and manufacturing engineering, particularly in manufacturing processes and engineering design. They will also contribute to curriculum development, program innovation, and mentorship of students at all levels.

Candidates must demonstrate a strong commitment to equity, diversity, inclusion, and accessibility (EDIA). This will be reflected in their genuine understanding of the challenges and barriers faced by underrepresented groups, their commitment to fostering an inclusive and supporting academic environment, and their ability to incorporate EDIA principles into research, teaching, and service activities.

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To be eligible for consideration, candidates must hold a Doctoral degree in Mechanical or Manufacturing Engineering or a closely related discipline by the start date or shortly after. Relevant industrial and teaching experience and evidence of transdisciplinary research in related areas are considered a major asset. Candidates are expected to have strong oral and written English communication skills. All candidates must be eligible for registration as a professional engineer with the [Association of Professional Engineers and Geoscientists of Alberta \(APEGA\)](#).

Application Instructions:

Interested candidates are encouraged to apply online via the [UCalgary Careers site](#). Please note that the application website allows for **only four attachments**, which include the following documents (merge files as necessary):

- Cover letter and Curriculum Vitae, including the name and contact information of three referees.
- Statement of EDIA experience, contribution, and leadership plan (up to 2 pages). Describe how you integrate EDIA into research, teaching, and scholarship. Outline your strategies for fostering inclusivity in academic settings and supporting students from diverse backgrounds. Highlight past contributions, if applicable.
- Statement of research interests, accomplishments, and vision (up to 2 pages) and one of your research manuscripts (published or unpublished), all combined into one document.
- Statement of teaching philosophy (up to 2 pages). Include details on teaching experience, training, and mentoring at the undergraduate, graduate, and postdoctoral levels.

Your statements on EDIA, research, and teaching are equally important in the assessment of your application. Applications exceeding the page limit will not be reviewed.

Applications will be accepted until April 5, 2025

The University of Calgary recognizes that candidates have varying career paths and that career interruptions can be part of an excellent academic record. Candidates are encouraged but not required to provide any relevant information about their experience and/or career interruptions to allow for a fair assessment of their application. Selection committees have been instructed to give careful consideration to, and be sensitive to the impact of career interruptions, when assessing the candidate's research productivity.

Schulich School of Engineering

The Department of Mechanical and Manufacturing Engineering, part of the Schulich School of

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Engineering, is home to 47 full-time faculty and over 800 undergraduate and 360 graduate students. Our academic offers include undergraduate (BSc) and graduate (MSc, PhD, MEng) programs in mechanical engineering, along with minors in aerospace, mechatronics, manufacturing, biomedical, digital, energy and environment engineering, and graduate certificates. Aligned with the Schulich Momentum strategic plan, the Schulich School of Engineering continues to pursue its vision of global recognition for research impact and innovation, inclusivity in engineering, contributions towards Truth and Reconciliation, and enriching student success and experience.

The University of Calgary has launched an institution-wide Indigenous Strategy committing to creating a rich, vibrant, and culturally competent campus that welcomes and supports Indigenous Peoples, encourages Indigenous community partnerships, is inclusive of Indigenous perspectives in all that we do.

All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. In this connection, at the time of your application, please answer the following question: Are you a Canadian citizen or a permanent resident of Canada? (Yes/No)

To learn more about academic opportunities at the University of Calgary and all we have to offer, view our [Academic Careers website](#). For more information visit [Careers in the Schulich School of Engineering](#)

The University strongly recommends all faculty and staff are fully vaccinated against COVID-19.

About the University of Calgary

UCalgary is Canada's entrepreneurial university, located in Canada's most enterprising city. It is a top research university and one of the highest-ranked universities of its age. Founded in 1966, its 36,000 students experience an innovative learning environment, made rich by research, hands-on experiences and entrepreneurial thinking. It is Canada's leader in the creation of start-ups. Start something today at the University of Calgary. For more information, visit ucalgary.ca.

EEO/AA Policy

As an equitable and inclusive employer, the University of Calgary recognizes that a diverse staff/faculty benefits and enriches the work, learning and research experiences of the entire campus and greater community. We are committed to removing barriers that have been historically encountered by some

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people in our society. We strive to recruit individuals who will further enhance our diversity and will support their academic and professional success while they are here. In particular, we encourage members of the designated groups (women, Indigenous peoples, persons with disabilities, members of visible/racialized minorities, and diverse sexual orientation and gender identities) to apply. To ensure a fair and equitable assessment, we offer accommodation at any stage during the recruitment process to applicants with disabilities. Questions regarding [diversity] EDI at UCalgary can be sent to <https://www.ucalgary.ca/equity-diversity-inclusion> and requests for accommodations can be sent to Human Resources (hrhire@ucalgary.ca).

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Dr. Qiao Sun
Mechanical & Manufacturing Engineering
University of Calgary
,
Canada

Contact E-mail qsun@ucalgary.ca