**Carleton University**

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| **Field of Specialization:** | Biomechanics |
| **Academic Unit:** | Mechanical and Aerospace Engineering |
| **Category of Appointment:** | Preliminary (Tenure-Track) |
| **Rank/Position Title:** | Assistant or Associate Professor |
| **Start Date:** | January 1, 2022 (Flexible) |
| **Closing Date:** | Complete applications will be accepted until the position is filled |

**About the Position:**

The Department of Mechanical and Aerospace Engineering invites applications for a tenure-track appointment at the Assistant or Associate Professor level. Applicants should have expertise in Biomedical Engineering, and an interest to lead collaboration with colleagues within the department of Mechanical and Aerospace Engineering, with other units on campus, and with our joint institute partner at the University of Ottawa. The target start date is January 1, 2021, although this is flexible.

The candidate's research interests are expected to align with one of our many areas of strength in mechanical aspects of biomedical engineering, including injury biomechanics, rehabilitation and assistive technologies, and orthopaedic, musculoskeletal, and cardiovascular biomechanics. The candidate should have the vision and capabilities to lead interdisciplinary , multi-institution, and industrially-supported research projects in one or more of these areas. Candidates seeking a balanced academic career involving significant research, supervision and training of a research team of graduate and undergraduate students, and innovative teaching in undergraduate engineering programs are ideal.

We seek candidates that have a desire to encourage young people, and especially women and other underrepresented groups, to pursue a technical, engineering career.

To see the full position posting, please visit <https://carleton.ca/provost/jobs/academics/>.

**About the Academic Unit:**

At the Bachelor's level, the Department offers degrees in Mechanical, Aerospace, Biomedical & Mechanical, and Sustainable & Renewable Energy Engineering. At the Master's level, the Department offers degrees in Mechanical, Aerospace, Materials, Biomedical and Sustainable Energy Engineering. At the Ph.D. level, the Department offers degrees in Mechanical and Aerospace Engineering.

Our Biomedical research enjoys import ant collaboration with colleagues delivering the Biomedical & Electrical Engineering program in the Faculty, as well as synergies through the joint Institute for Biomedical Engineering with the University of Ottawa. There are numerous opportunities for collaboration with the Ottawa Heart Institute and the Ottawa Hospitals, as well as with local industry and the many government labs of the National Research Council. Of particular interest to this position is ongoing collaboration with the Division of Orthopaedic Surgery at The Ottawa Hospital, where significant experimental and clinical facilities are available (more information about this collaboration can be found by contacting [ron.miller@carleton.ca](mailto:ron.miller@carleton.ca)). Information on the Department in general is available at <http://carleton.ca/mae>.

**Qualifications:**

The successful candidate is required to have a Ph.D. in engineering, as well as being dedicated to teaching, research, and the engineering profession. They must be able to develop research collaborations with clinicians or industry, become an effective undergraduate and graduate teacher and graduate-student supervisor, and be able to attract funding to support independent research programs yielding high-quality peer-reviewed publications. Licensure from a Canadian professional engineering association is necessary at the time of appointment or within five (5) years of appointment.

**Application Instructions:**

Your application must include a curriculum vitae, the names of three referees, a statement on your research and teaching interests, and a summary of any past experiences in supporting equity, diversity and inclusion in your previous institutional environments. Send this electronically, as a single PDF file to: Professor Ron Miller, Chair, Department of Mechanical and Aerospace Engineering , Carleton University, Email: [Hiring.MAE@carleton.ca](mailto:Hiring.MAE@carleton.ca)

Please indicate in your application if you are a Canadian citizen or permanent resident of Canada.

**About Carleton University:**

Carleton University is a dynamic and innovative research and teaching institution with a national and international reputation as a leader in collaborative teaching and learning, research and governance. To learn more about our university and the City of Ottawa, please visit [www.carleton.ca/about](http://www.carleton.ca/about).

Carleton University is committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to the further diversification of our university including, but not limited to: women; visible minorities; First Nations, Inuit and Métis peoples; persons with disabilities; and persons of any sexual orientation, gender identity and/or expression. Furthermore, Carleton understands that career paths vary and interruptions will not prejudice the assessment process. Launched by our Department of Equity and Inclusive Communities, our EDI Institutional Action ([www.carleton.ca/edi-plan](http://www.carleton.ca/edi-plan)) renews Carleton’s commitment to leadership in the areas of anti-racism and equity, diversity, and inclusion.

Applicants selected for an interview are asked to contact the Chair as soon as possible to discuss any accommodation requirements so that appropriate arrangements may be made.

*All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. All positions are subject to budgetary approval.*