

### **About the Position**

Field of Specialization: The Future of Aerospace Propulsion

Academic Unit: Mechanical and Aerospace Engineering

Category of Appointment: Preliminary (Tenure-Track)

Rank/Position Title: Assistant or Associate Professor

Start Date: July 1, 2023 (Flexible)

Closing Date: Until Filled

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 Aerospace Propulsion, with a focus on the future of this technology. The target start date is July 1, 2023, although this is flexible.

To see the full position posting, please visit Carleton University's [Deputy Provost's website](https://carleton.ca/deputyprovost/jobs/academics/) at <https://carleton.ca/deputyprovost/jobs/academics/>.

The candidate's research interests are expected to relate closely with one or more aerospace propulsion technologies, such as electrification of aircraft; hydrogen and other alternate fuels; rotorcraft and UAV propulsion; or aircraft-propulsion-system integration. 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.

### **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.

The Department's substantial strength in aerospace engineering stems from a very long history of aerospace education and research. The size and breadth of the Department's faculty complement with research expertise in aerospace places Carleton amongst the leading aerospace institutions in Canada. Information on the Department 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 industry, become an graduate- student supervisor, and be able to attract funding to support independent research programs yielding high-quality peer-reviewed publications and/or patentable or licensable intellectual property. In addition, the candidate must have demonstrated potential to become an excellent undergraduate and graduate teacher.

Membership in a Canadian professional engineering association is necessary at the time of appointment

or within three 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 statement that reflects your perspectives on and/or experience dealing with issues of equity, diversity, and inclusion in your teaching, service, or scholarly activities. 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 currently legally eligible to work in Canada.

### **About Carleton University**

Located in Ottawa, Carleton is an innovative teaching and research institution with a tradition of leading change. Internationally recognized academics, staff, and researchers engage more than 31,000 students in over 100 programs of study. Carleton has long been known for promoting research excellence and connectedness and is involved in partnerships around the globe. With strong leadership, it enjoys a healthy financial position and our proximity to government and cultural institutions, media, and a thriving knowledge economy make Carleton and Ottawa a great place to work, learn, and live. Our picturesque campus is fully accessible and, along with award-winning student services, Carleton's Paul Menton Centre for Students with Disabilities has been heralded as the gold standard for disability support services in Canada. Learn more about [our university and the city of Ottawa](#).

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. We invite you to review our revitalized Indigenous strategy, [Kinàmàgawin](#) and visit our [Department of Equity and Inclusive Communities](#) for information about our commitment to leadership in the areas of equity, diversity, and inclusion.

Accessibility is a university strategic priority and applicants selected for an interview who require accommodations are invited to contact the Chair as soon as possible to ensure 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.*