



Academic unit:	Mechanical and Aerospace Engineering
Category of appointment:	Preliminary (Tenure-Track)
Field of specialization:	CRC Tier-2, Automation and Autonomous Control for Aerospace Applications
Rank/Position title:	Assistant/Associate Professor
Start date:	January 1, 2018
Closing date for applications:	Applications will be accepted until the position is filled.

About the position:

The Department of Mechanical and Aerospace Engineering invites applications for a Tier-2 Canada Research Chair tenure-track position at the Assistant or Associate Professor level. The successful candidate will have a solid background in the fundamentals of aerospace engineering, with research expertise related to aerospace applications of autonomous systems. The target start date is January 1, 2018. Applications will be accepted until the position is filled.

The successful candidate will have research expertise that integrates the traditional mechanical engineering fundamentals of the aerospace discipline with autonomous systems. Examples of research areas of interest include, but are not limited to, unmanned aerial systems (UASs), aerospace robotics, automated aerospace manufacturing, mechatronics for the aerospace sector, and integrated aerospace systems design. He or she will be expected to have the necessary vision and capabilities to lead interdisciplinary, multi-institution and industrially supported research projects.

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 Canadian academic institutions, and the Department's academic programs in aerospace rank amongst the largest in Canada.

There are excellent opportunities for research collaboration with industry, government institutes and laboratories, and established faculty in the Department. Information on the Department is available at <http://carleton.ca/mae>.

Qualifications:

Tier-2 Chairs are intended for exceptional emerging scholars (i.e., candidate must have been an active researcher in their field for fewer than 10 years at the time of nomination). Applicants who are more than 10 years from their highest degree (and where career breaks exist, including maternity leave, extended sick leave, clinical training, etc.) may have their eligibility for a Tier-2 Canada Research Chair assessed through the program's Tier-2 justification process. Please see the CRC website at <http://www.chairs-chaire.gc.ca/> for details and consult the website for full program information, including further details on eligibility criteria.



The successful candidate must have a Ph.D. with research expertise in aerospace, and a commitment to teaching, research and the engineering profession. The successful candidate will be expected to be 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. As a Canada Research Chair, he or she will be expected to have the necessary vision and capabilities to lead collaborative, multi-institution and industrially supported research projects. Membership in a Canadian professional engineering association is required at the time of appointment or within two years of appointment.

Application instructions:

Please send your application including a curriculum vitae, the names of three referees, and statements on your teaching and research interests electronically in one single PDF file to: Professor Ron Miller, Chair, Department of Mechanical and Aerospace Engineering, Carleton University, Email:

Hiring.MAE@carleton.ca.

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

About Carleton University

Join our intellectual and collaborative community of scholars. Carleton University is a dynamic and innovative research and teaching institution with a nationally and internationally 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/provost.

Carleton University is strongly 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 or gender identity and expressions.

Applicants selected for an interview are asked to contact the Chair of the Search Committee as soon as possible to discuss any accommodation requirements. Arrangements will be made in a timely manner.

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