



Academic unit: Mechanical and Aerospace Engineering
Category of appointment: Preliminary (Tenure-Track)
Field of specialization: Energy Generation, Conversion, Utilization
Rank/Position title: Assistant Professor
Start date: January 1, 2017
Closing date for applications: Consideration of candidates' files continue until a successful candidate is selected

About the position:

The Department of Mechanical and Aerospace Engineering invites applications for a tenure-track position at the Assistant Professor level in the subject area of energy engineering. The target start date is January 1, 2017. Applications will be accepted until the position is filled.

Position description:

The ideal candidate will have a research focus on mechanical-engineering aspects of environmentally-responsible energy generation, conversion and utilization. Applicable areas include: wind power, hydro-electric power, efficient building energy systems, efficient combustion and emissions reduction, solar energy, gas turbine technologies, advanced power plants, nuclear technologies, and other conventional or emerging renewable energy utilization and conversion systems.

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, Biomedical, and Sustainable Energy Engineering and Policy. At the Ph.D. level, the Department offers degrees in Mechanical and Aerospace Engineering. 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:

The successful candidate must have a Ph.D. and a commitment to teaching, research and the engineering profession. The successful candidate will be expected to develop research collaborations with the energy industry, 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. 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: ron.miller@carleton.ca.

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

Located in Ottawa, Ontario, Carleton University is a dynamic and innovative research and teaching institution committed to developing solutions to real world problems by pushing the boundaries of knowledge and understanding. Its internationally recognized faculty, staff, and researchers provide



academic opportunities in more than 100 programs of study to more than 28,000 full- and part-time students, from every province and more than 100 countries around the world. Carleton's creative, interdisciplinary, and international approach to research has led to many significant discoveries and creative work in science and technology, business, governance, public policy, and the arts.

Minutes from downtown, Carleton University is located on a beautiful campus, bordered by the Rideau River and the Rideau Canal. With over 12 national museums and the spectacular Gatineau Park close by, there are many excellent recreational opportunities for individuals and families to enjoy. The City of Ottawa, with a population of almost one million, is Canada's capital city and reflects the country's bilingual and multicultural character. Carleton's location in the nation's capital provides many opportunities for research with groups and institutions that reflect the diversity of the country.

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.

Those applicants that are selected for an interview will be requested to contact the Chair of the Search Committee as soon as possible to discuss any accommodation requirements. Arrangements will be made to accommodate requests 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.