

Electronics (Power Electronics) – Assistant Professor – Applications will be considered until the position is filled

The Department of Electronics at Carleton University invites applications from qualified candidates for a tenure track appointment in power electronics at the rank of Assistant Professor beginning January 1, 2017.

The candidate will be expected to establish and lead an independent externally funded research program in the area of power electronics including collaborations with internal and external partners. The candidate's research might include fields such as electrical power systems, power electronics, electrical machines or power semiconductor devices. The candidate will be required to teach at both undergraduate and graduate levels and supervise student projects and thesis research. The candidate is also expected to contribute to the operation and development of the academic unit and the University including program and curriculum development.

The Department of Electronics offers undergraduate programs in Electrical Engineering, Engineering Physics, and Sustainable and Renewable Energy Engineering and contributes to several other programs within the faculty. The department features outstanding research expertise in design automation, circuit design, semiconductor devices, electromagnetics, photonics, sensors and micro/nano-electro-mechanical systems. Facilities enable the design, fabrication and testing of integrated circuit, sensor, MEMS, photonic, and microwave components. Further information about the department is available at <http://www.doe.carleton.ca>.

The position requires a Ph.D. in Electrical Engineering or equivalent, and current license to practice professional engineering in Canada (P.Eng.) or ability to obtain P.Eng. status within 3 years of appointment. Candidates should provide evidence of research and teaching excellence. The candidate should develop a research plan complementing current research activities in the Department of Electronics.

Applicants should submit one PDF document including i) a detailed curriculum vitae, ii) a description of research accomplishments and future plans, iii) a teaching dossier, and iv) the names of three

referees. Applications should be sent electronically to chair@doe.carleton.ca. Applications will be considered until the position is filled.

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.