



Academic unit:	Electronics
Category of appointment:	Preliminary (Tenure-Track)
Field of specialization:	Emerging Technologies for Advanced Circuits
Rank/Position title:	Assistant/Associate Professor
Start date:	July 1, 2017
Closing date for applications:	Applications will be considered starting June 1, 2017

About the position:

The Department of Electronics at Carleton University invites applications from qualified candidates for a tenure track appointment in emerging technologies for advanced circuits at the rank of Assistant or Associate Professor beginning July 1, 2017.

The candidate will be expected to establish and lead an independent externally funded research program in the area of emerging technologies for advanced circuits including collaborations with internal and external partners. The candidate's research might include fields such as high power and high voltage microwave and mm wave devices and circuits, applications of wide bandgap semiconductor materials such as GaN and SiC, logic controlled adaptive RF and microwave systems, RF energy harvesting and wireless power transfer. 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.

About the Academic Unit:

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>

Qualifications:

The position requires a Ph.D. in Electrical Engineering or equivalent. A current license to practice professional engineering in Canada (P.Eng.) is required, as well as industry experience or a demonstrated record of successful collaboration with local industry. 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.

Application instructions:

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 starting June 1, 2017.

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.