

Faculty Position in Smart-Grid Technologies and Power Systems  
Department of Electronics  
Carleton University  
Ottawa, Canada

The Department of Electronics invites applications for a preliminary (tenure-track) appointment in the area of smart grid technology and power systems at the rank of Assistant, Associate or Full-Professor beginning on July 1, 2011.

Applicants must have a PhD, or be in the final stages of obtaining their PhD, have demonstrated excellence in teaching, and possess a strong commitment to research and scholarship, as reflected in publications. The successful candidate will have the ability to develop an externally-funded, high quality research program; will be committed to effective teaching at the undergraduate and graduate level; and will contribute effectively to the academic life of the Department. Membership in a Canadian professional engineering association is required at the time of appointment or within two years of the time of appointment. The Department is interested in candidates with an electrical power background to complement our existing strengths and build the stream of "smart technologies for power generation and distribution" for our "Sustainable and Renewable Energy Engineering" program. Consideration priority will be placed on the overall excellence of the candidate and on the track record of multidisciplinary teaching achievements. The Department has a long history of research excellence in semiconductor device technology and physics, mixed-signal and analog VLSI, sensor and MEMS technology, microwaves and photonics, and CAD for circuits and semiconductor devices. The Department has superb infrastructure to support research in these fields, including a complete silicon microfabrication facility (see [www.doe.carleton.ca](http://www.doe.carleton.ca) for details). Strong research collaboration exists with the National Research Council, the Communications Research Centre, and local industry.

Applications including a cover letter, a detailed CV and the names of at least three referees, should be sent to: Dr. Q.J. Zhang, Chair, Department of Electronics, Carleton University, 1125 Colonel By Drive, Ottawa, Canada K1S 5B6, email: [qjz@doe.carleton.ca](mailto:qjz@doe.carleton.ca).

Located in Ottawa, Ontario, Carleton University is a dynamic research and teaching institution with a tradition of leading change. Its internationally recognized faculty, staff, and researchers provide more than 24,000 full- and part-time students from every province and more than 100 countries around the world with academic opportunities in more than 65 programs of study. 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. As an innovative institution, Carleton is uniquely committed to developing solutions to real world problems by pushing the boundaries of knowledge and understanding daily.

Minutes from downtown, Carleton University is located on a beautiful campus in the central portion of Ottawa, bordered by the Rideau River on one side, and the Rideau Canal on the other. 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 itself, 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 faculty and its scholarship including, but not limited to, women, visible minorities, Aboriginal peoples, persons with disabilities, and persons of any sexual orientation or gender identity.

All qualified candidates are encouraged to apply. Canadians and permanent residents will be given priority.

All positions are subject to budgetary approval.