Tenure Track Faculty Position in Electrical and Computer Engineering (Micro-Nano Systems)

The Faculty of Engineering at McMaster University has a reputation for innovative programs, cutting-edge research, leading faculty, and aspiring students. It has earned a strong reputation as a centre for academic excellence and innovation. The Faculty has approximately 160 faculty members, along with close to 4,000 undergraduate and 750 graduate students. The Faculty of Engineering promotes a nurturing and inclusive environment where opportunities are made available for personal growth and professional development (http://www.eng.mcmaster.ca/fda/).

The Department of Electrical and Computer Engineering at McMaster University (http://www.ece.mcmaster.ca) is seeking an outstanding individual for a tenure-track Assistant Professor position to enrich its flourishing research program in the area of micro- and nano-systems. The successful candidate will have the opportunity to engage with faculty members and research staff associated with McMaster’s world-class research and teaching laboratory facilities in this area, including:
the Micro- and Nano-Systems Laboratory (MNSL, http://www.mnsl.mcmaster.ca/),
the Centre for Emerging Device Technologies (http://www.eng.mcmaster.ca/cedt/),
the Canadian Centre for Electron Microscopy (http://ccem.mcmaster.ca/),
and the Brockhouse Institute for Materials Research (http://www.bimr.ca/).

In particular, the members of the MNSL develop innovative miniaturized, low-cost and easy-to-use prototypes for imaging and sensing in healthcare and environmental applications. These systems integrate heterogeneous components across the micro and nano scales, including nanoelectronics, photonics, MEMs and fluidics. The MNSL occupies approximately 9,600 square feet and includes two clean rooms, an engineering lab and a wet processing lab with extensive processing, fabrication, and characterization facilities for multi-scale integration, bonding, packaging, prototyping and testing of nano-engineered components and heterogeneous systems targeting emerging areas in health and environmental sciences.

Qualified candidates must have an earned Ph.D. and have demonstrated the potential for excellence in research, as well as having strong communication skills and being committed to education. They are also expected to have demonstrated an ability to work effectively with individuals from diverse communities and cultures. The successful candidate will be expected to establish a dynamic research program in their fields of expertise, to become an engaging teacher and mentor at both the undergraduate and graduate levels, and to make a strong commitment to curriculum development. The successful candidate will also be expected to explore opportunities for research collaborations across the Faculty of Engineering, and across the University. The successful candidate will be expected to become registered with Professional Engineers, Ontario. There is a possibility for relocation benefits. Travel between McMaster University locations may be required.

All qualified applicants are encouraged to apply. However, Canadian citizens and permanent residents will be given priority. This position will ideally commence July 1, 2015. However, it will remain open until the position is filled. Applications by e-mail are encouraged. Interested applicants should send a letter of application, curriculum vitae, statements of teaching and
research interests, a selection of research publications, and the names and contact information of
at least three references to:

Faculty Search Committee (Micro-Nano Systems)
Department of Electrical and Computer Engineering
McMaster University
1280 Main Street West, ITB A110
Hamilton, Ontario, L8S 4K1
Canada
Email: mns@mail2.ece.mcmaster.ca

McMaster University’s beautiful campus is at the north-west end of Hamilton on the western end
of Lake Ontario, between the Niagara Escarpment, conservation lands, and the Royal Botanical
Gardens. Hamilton, with a population of over 500,000, is a vibrant community with easy access
to Toronto and the Niagara region. It is located at the northern tip of an ecological zone
commonly called the Carolinian Forest that encompasses the southernmost portion of Ontario but
occurs nowhere else in Canada. As a result, Hamilton is home to many unique species of plants
and animals that only occur here because the summer climate approaches that of North and
South Carolina in the United States.

McMaster University is strongly committed to employment equity within its community and to
recruiting a diverse faculty and staff. The University encourages applications from all qualified
candidates including women, persons with disabilities, First Nations, Metis and Inuit persons,
members of racialized communities and LGBTQ-identified persons. If you require any form of
accommodation throughout the recruitment and selection procedure, please contact the Human
Resources Service Centre at (905) 525 9140, Extension 222-HR (22247).