



Carleton
UNIVERSITY

Canada's Capital University

Systems and Computer Engineering

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The Department of Systems and Computer Engineering invites applications from qualified candidates for an Industrial Research Chair appointment in the field of “Sensor Technology for the Internet of Everything (IoE Sensors)” at the rank of Assistant, Associate or Full Professor, beginning on July 1, 2014, or whenever the position is filled. The Chair is sponsored by Cisco Systems Canada Co. (“Cisco”). The appointment of the Chairholder will normally be for a five (5) year term, renewable after appropriate review by the University and any federal funding partner such as NSERC.

The successful candidate must have a Ph.D. degree in electrical and computer engineering or the equivalent. At the time of appointment or within two years of the appointment, the candidate must be a member in a Canadian professional engineering association. The successful candidate will be expected to demonstrate research excellence and to effectively teach electrical and computer engineering courses at both the undergraduate and graduate levels.

The primary purpose of the Industrial Research Chair will be to promote, support, and lead research, development and innovation through industry-linked projects in advanced IoE sensor technologies and its use in transforming business architectures to reduce cost and increase productivity. The Chair will also connect to the University’s strategic goals and long-range vision to position the University as a one of the world’s premier institutes of higher learning. The Chair will work closely with the University’s professors and other chairs and researchers in a network to enhance the educational experience, innovation, training and other educational activities within the research scope of this position.

The successful candidate must satisfy the requirements for an NSERC Industrial Research Chair, be a distinguished researcher with an international reputation in innovation and an acknowledged expertise in technologies relevant to the specific scope of this position. The Cisco Chair in IoE Sensors will focus on projects and research activities that utilize state-of-the-art technologies to develop new innovative sensor solutions for the IoE. The Chair will focus on transforming advances in these technologies into innovative solutions that improve efficiency, reliability and reduce cost. Specific application areas are characterized by a strong reliance on M2M, M2P, and P2P communication and include, but are not limited to, smart cities, eHealth, smart grids, retail and logistics, critical infrastructure, smart machinery, or industrial control.

The Chair is expected to attract significant funding from government and industrial partners as well as have a strong ability to supervise graduate students at the Doctorate and Masters level.

The Department of Systems and Computer Engineering is a research-intensive department and hosts a large and active community of some 45 research faculty and adjunct professors and over 230 graduate students in several programs. In addition, the Department participates in a broad range of undergraduate programs covering the ECE spectrum. Full advantage is taken of the high concentration of industry, government, and university technology organizations in the Ottawa area.

Applicants are expected to submit an application electronically that includes five PDF documents as follows: 1) curriculum vitae; 2) a detailed research plan; 3) a description of teaching philosophy and preference; 4) a summary of research publications; 5) and the names of five referees. Please send the documents to cisco-chair@sce.carleton.ca. The search is now open and completed applications will be accepted until a suitable candidate is selected.

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 daily. Its internationally recognized faculty, staff, researchers, and librarians provide more than 27,000 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.

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, Aboriginal peoples, persons with disabilities, and persons of any sexual orientation or gender identity. 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. Canadians and permanent residents will be given priority. All positions are subject to budgetary approval.