

Academic Unit:	Systems and Computer Engineering
Category of Appointment:	Preliminary (Tenure-Track), CRC Tier II
Field of Specialization:	Model-driven System and Software Engineering
Rank/Position Title:	Assistant or Associate Professor
Start Date:	July 1, 2018
Closing Date:	Until Filled

About the Position:

The Department of Systems and Computer Engineering invites applications for a Canada Research Chair (CRC) Tier 2 appointment in the field of model-driven system and software engineering at the rank of Assistant/Associate Professor beginning July 1, 2018.

The candidate must have a demonstrated strong research capability in the targeted field, with research expertise in one or more fundamental issues defining the field (e.g., model specification, interchange, development, transformation, quality, management, evolution, modeling in the large), using one or more of the leading technologies (e.g., UML, SysML, AADL, Autosar, Block diagrams, Simulink, Lustre), and with application in avionics, aerospace, automotive, robotics, cyber-physical systems, transportation, telecommunication, IoT, data analytics.

We encourage applicants possessing leadership qualities and strong interpersonal skills who are eager to build a strong, externally funded, innovative, and internationally recognized research program to apply. The Chair is expected to attract significant funding from government and industrial partners as well as have a strong ability to supervise Masters and Ph.D. students.

Candidates with a demonstrated commitment to excellence in teaching are invited to apply. The Chair will teach (under)graduate courses, mentor undergraduate students, supervise capstone projects and contribute to curriculum development.

We will consider favorably candidates with an interest in innovative teaching methods, in collaborative and interdisciplinary approaches to scientific research, with aptitudes for building bridges with community, industry, and government agencies, with a desire to promote interest in young people, particularly those in underrepresented groups, in a technical, engineering career.

Tier 2 Chairs are intended for exceptional emerging researchers (i.e. candidate will typically be less than 10 years from their highest degree at the time of nomination, or more than 10 years with legitimate career interruptions), acknowledged by their peers as having potential to lead in their field. Please see the CRC website at <http://www.chairs-chaire.gc.ca/> for full program information, including eligibility criteria.

About the Academic Unit:

Systems and Computer Engineering is a research-intensive department and hosts a large and active community of faculty members. It participates in a broad range of undergraduate and graduate programs covering the Electrical and Computer Engineering spectrum: carleton.ca/sce/. The graduate programs are part of the Ottawa-Carleton Institutes for Electrical and Computer Engineering and Biomedical Engineering. Full advantage is taken of the high concentration of industry, government, and university technology organizations in the Ottawa area.

Qualifications:

The candidate must have a Ph.D. degree in Electrical and Computer Engineering, in Computer Science or the equivalent. The candidate must show membership in a Canadian professional engineering association, or evidence that such a membership can be secured according to accreditation criteria and procedures set by the Canadian Engineering Accreditation Board.

Application Instructions:

Applicants should send one PDF document that includes: a cover letter, a curriculum vitae (including a list of publications), a five-year research plan, a teaching dossier, and the names of three referees. The statement should describe how the applicant's experience will contribute to the department's mission, including, their research record, teaching philosophy, pedagogical approaches, teaching content, mentoring and recruiting activities, community engagement, and experience working with diverse communities. Applications should be sent electronically to hiringmde@sce.carleton.ca.

Please indicate in your application if you are a Canadian citizen or permanent resident of Canada.

As a part of your application, please complete a short anonymous and voluntary equity census to help us understand the diversity of applicants and further develop our equity program <https://oirp-secure.carleton.ca:443/opinio/s?s=6556>.

About Carleton University:

To learn more about our university and the City of Ottawa, please visit www.carleton.ca/provost.

Carleton University is 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, gender identity and/or expression. Carleton understands that career paths vary. Legitimate career interruptions will in no way prejudice the assessment process and their impact will be taken into careful consideration.

Applicants selected for an interview are asked to contact the Chair 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.