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| Field of Specialization: | Software Engineering for Autonomous and Self-Adapting Systems |
| Academic Unit: | Systems and Computer Engineering |
| Category of Appointment: | CRC Chair Tier 2 |
| Rank/Position Title: | Assistant/Associate Professor |
| Start Date: | July 1, 2020 |
| Closing Date: | Applications will be considered until the position is 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 Software Engineering for autonomous and self-adapting systems at the rank of Assistant/Associate Professor beginning July 1, 2020. The appointment is conditional on the approval of the application by the CRC Secretariat.

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 and has experienced legitimate career interruptions), acknowledged by their peers as having potential to lead in their field. Applicants who are more than 10 years from their highest degree may have their eligibility for a Tier 2 Canada Research Chair assessed through the program's Tier 2 justification process (<http://www.chairs-chaire.gc.ca/>). Please contact Carleton's research grants office (<https://carleton.ca/coris/>) for more information.

The Department of Systems and Computer Engineering (<http://carleton.ca/sce/>) is a research-intensive department and hosts a large and active community of faculty members, instructors, and undergraduate and graduate students. The Department participates in a broad range of undergraduate and graduate programs. Full advantage is taken of the high concentration of industry and government in the Ottawa area.

Qualifications:

Candidates must have earned a Ph.D. in Software Engineering or a related discipline. Candidates must show membership in a Canadian professional engineering association, or evidence that such membership can be secured according to the accreditation criteria and procedures set by the Canadian Engineering Accreditation Board.

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, including but not limited to model-driven software engineering, software engineering for artificial intelligence and machine learning, software reliability, formal methods, and with application in (among others) autonomous vehicles (ground, air, water, space), big data and data analytics, IoT and telecommunication, biomedical, cyber-physical systems, robotics.

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.

Candidates with a demonstrated commitment to excellence in teaching and in promoting interest in young people, particularly those in underrepresented groups, in a technical, engineering career are

invited to apply. The Chair holder will teach (under)graduate courses, mentor (under)graduate 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.

Application Instructions (one PDF file to crc2019@sce.carleton.ca):

Please submit a CV, a teaching dossier (including teaching philosophy, and a record of teaching interests and experience), a research statement (highlighting fit with this call), and the names of three references. Candidates are particularly encouraged to highlight qualifications relevant to the use of emerging technologies, pedagogical approaches, and research in teaching and learning. Please indicate if you are a Canadian citizen or permanent resident of Canada.

Please also identify any past experiences in supporting equity, diversity and inclusion in your previous institutional environment such as in curriculum development and in supporting diverse students.

To help us develop our equity programs, a confidential equity and diversity self-identification survey will be sent to all applicants separately.

About Carleton University (www.carleton.ca/about):

With one of the most accessible campuses in North America, Carleton University is a dynamic and innovative research and teaching institution with a national and international reputation as a leader in collaborative teaching and learning, research and governance.

We are strongly committed to equity, diversity, and inclusion in the nomination, appointment process and in our 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 and legitimate interruptions will not prejudice the assessment process and their impact will be carefully considered.

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.