McMaster University

ENGINEERING

Department of Computing and Software
Tenure-Track Positions (machine learning and its applications, smart systems, data analytics, security and privacy, and software engineering)

Tenure-Track Faculty Positions in Computing and Software

The Faculty of Engineering at McMaster University invites applications from outstanding scholars for **multiple tenure-track faculty positions** at the rank of Assistant Professor in the Department of Computing and Software; however, exceptional candidates may be considered at the rank of Associate Professor. The appointment will begin on July 1, 2020, or shortly thereafter.

McMaster University is committed to building an inclusive community dedicated to teaching and learning within a diverse environment. The Faculty of Engineering seeks to attract active, culturally and academically diverse faculty members of the highest caliber and welcomes applications from highly qualified candidates with skills and abilities that will contribute to the values of equity, diversity and inclusion in research, teaching, and the workplace.

The Department of Computing and Software is one of the top departments for computing in Canada. We have 25 faculty members with expertise in computer systems, software engineering, theoretical computer science, security, privacy, data analytics, scientific computing, and bioinformatics. The department mentors over 900 undergraduate students in three programs: software engineering, computer science, and mechatronics engineering. It also mentors more than 120 graduate students in masters and doctoral programs in computer science and software engineering.

Qualified candidates in the following areas are strongly encouraged to apply: machine learning and its applications, smart systems, data analytics, security and privacy, and software engineering. Exceptional candidates in related areas will also be considered. Applicants will hold a doctorate in computer science, software engineering, or a related discipline, and must demonstrate a successful record of research, reflected in extramural grant acquisition and publication in high quality peer-reviewed venues. The successful candidate will teach both undergraduate and graduate level courses. They will also be expected to establish a strong externally-funded research program, supervise graduate students, and foster existing or new collaborations with other departments and faculties. Evidence of leadership skills, excellence in service, and a demonstrated ability to work effectively with individuals from diverse communities and cultures is also required. Registration, or eligibility for registration, by the Professional Engineers of Ontario is required

The successful candidates will have the opportunity to engage with faculty members and research staff associated with McMaster's world-class research and teaching laboratory facilities in software and data intensive systems and data analytics areas, including: the McMaster Centre for Software Certification (McSCert), the McMaster Automotive Resource Centre (MARC), the Shared Hierarchical Academic Research Computing Network (SharcNet), Advanced Optimization Laboratory (AdvOL), Computing Infrastructure Research Centre (CIRC), and the MacData Institute.

McMaster's large, attractive campus, the interior of which is open only to pedestrians and cyclists, is at the western end of Lake Ontario. The University is minutes from downtown Hamilton, a city rich in history and culture with a vibrant arts community. Nearby recreational and conservation attractions include Cootes Paradise, the Bruce Trail, the Niagara Escarpment, the Waterfront Trail, and the Royal Botanical Gardens. Surrounded by spectacular nature and unique neighbourhoods, Hamilton is ideally located halfway between Toronto and Niagara Falls.

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 over 180 faculty members, along with approximately 5,000 undergraduate and 1,000 graduate students. The Faculty of Engineering promotes a nurturing and inclusive environment where supportive resources are made accessible to assist with onboarding and opportunities are made available for continuous personal and professional growth.

Interested applicants should submit a letter of interest, curriculum vitae, a research dossier that includes a statement of research interests and plans, a selection of research publications, a teaching dossier that includes a teaching philosophy, as well as evidence of teaching experience and effectiveness, along with the names of at least four references that speak to academic and research performance (with postal and email addresses). In both your research and teaching statements, please also describe how you will further equity and inclusion to advance McMaster University's commitment to fostering a culture that embraces and promotes the rich diversity of our campus community. Some current examples of activities include diversity-related programming, contributions to student success, committee work, and appropriate mentoring of individuals, especially those from groups that have been historically marginalized or disadvantaged.

Applicants are invited to complete a confidential Diversity Survey, as part of the application process, in efforts to broaden the diversity of our applicant pool and enhance talent acquisition processes. Information will be used in a manner that is consistent with inclusive, fair, equitable and transparent hiring practices which aim to advance academic and service excellence. https://surveys.mcmaster.ca/limesurvey/index.php/627277?lang=en

Complete applications must be made online at www.workingatmcmaster.ca/careers (Faculty Postings, Job # 26584) to the attention of:
        Chair
        Department of Computing and Software
        1280 Main Street West
        McMaster University,
        Hamilton, ON Canada L8S 4L7

Complete applications that are received by November 30, 2019 will receive full consideration. Review of applications will continue until the positions are filled. The effective date of appointment is negotiable, but July 1, 2020 is preferred. All applicants will receive an on-line confirmation of receipt of their application; however, only short-listed applicants will be contacted for interviews.

All qualified candidates are encouraged to apply; however, Canadian and Permanent Residents will be given priority. If you require any form of accommodation throughout the recruitment and selection procedure, please contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247).
To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. Applicants need not identify their country of origin or current citizenship; however, all applications must include one of the following statements:
        Yes, I am a citizen or permanent resident of Canada
        No, I am not a citizen or permanent resident of Canada

In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration and diversity, and has a strong commitment to employment equity. The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. The University seeks qualified candidates who share our commitment to equity, diversity, and inclusion. While all qualified candidates are invited to apply, we particularly welcome applications from women, persons with disabilities, First Nations, Métis and Inuit peoples, members of visible minorities, and LGBQT+ persons. Job applicants requiring accommodations to participate in the hiring process should contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247) to communicate accommodation needs.