

Faculty Position in Risk Assessment

The Department of Civil Engineering at McMaster University invites applications from outstanding candidates for a tenure-stream position in the broad area of Risk Assessment. This position is targeted at the Assistant or Associate level; however, highly qualified individuals will be considered at the Professor level. Applicants must have a bachelor and doctoral degrees in Civil Engineering or equivalent and be eligible for registration as a Professional Engineer in the Province of Ontario. The ideal candidate would have a track record involving innovative high quality analytical/numerical research. Research focus in one or more of the following areas would be of particular interest:

- probabilistic methods for risk assessment of structures, infrastructure and complex systems.
- resilience of critical infrastructure under multiple hazards including earthquakes, wind, fire and blast.
- life-cycle cost analysis, optimization, performance-based design, and reliability of large-scale infrastructure systems.
- development of algorithms for quantifying hazard and vulnerability and their system-level interaction.
- advanced nonlinear modelling and high-performance computing for hazard, vulnerability and risk prediction, visualization and communication.

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.

McMaster Civil Engineering a high reputation in both research and teaching, as one of the top Departments for Civil Engineering in Canada. We have twenty faculty members working mainly in the following four focus research areas: Structural Engineering, Water Resources and Environmental Engineering, Geotechnical Engineering and Construction Management Engineering. The successful candidate will be expected to contribute to teaching in both our graduate and undergraduate programs, supervise graduate students and to develop a strong research program by attracting funding from granting agencies and other external sources to support her/his research activities.

Salary and rank are commensurate with experience and qualifications. Applicants are asked to send their curriculum vitae, a statement detailing research and teaching interests, including anticipated areas of research collaboration with existing faculty in the Department, and names of three referees to Dr. B.W. Baetz, Chair, Department of Civil Engineering, McMaster University, 1280 Main St W., Hamilton, Ontario, Canada L8S 4L7, Telephone (905) 525-9140 ext. 27214 or e-mail: civil@mcmaster.ca. Applications review will begin immediately and the appointment will ideally commence July 1, 2015. However, applications will be accepted until the position is filled.



All qualified candidates are encouraged to apply. However, Canadian citizens and permanent residents will be given priority for these positions.

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 Extension 222-HR (22247).

