

Canada Research Chair (Tier 2) in Digital Media (Visualization and Interaction Design)

York University offers a world-class, modern, interdisciplinary academic experience in Toronto, Canada's most multicultural city. York is at the centre of innovation, with a thriving community of almost 60,000 faculty, staff and students who challenge the ordinary and deliver the unexpected.

Since its founding in 1959, York has continued to grow, innovate and evolve. Now Canada's third-largest university, York has a student population of 51,000, and an alumni community of more than 190,000. Committed to a superior student experience, the University has an international reputation for excellence in research, teaching and practice in innovative undergraduate and professional programs. York delivers programs through 10 faculties, including the Faculty of Science and Engineering, and has 22 research centres and institutes.

The Faculty of Science and Engineering invites applications for a tenure-track position in the area of Digital Media at the Assistant Professor or Associate Professor level to commence on July 1, 2012. All positions at York University are subject to budgetary approval.

This position calls for interdisciplinary research excellence that complements and builds on existing strengths in Computer Science and Engineering. Complementarity with other relevant units such as the Faculty of Fine Arts is a strong asset. The position will attract a strong established researcher with research expertise in Data Visualization, Information Visualization, Scientific Visualization and/or Interaction Design.

The incumbent will have:

- expertise in visualization techniques and/or interaction design and in innovating novel methods such as (but not limited to):
 - visualization in medical domains and/or stereoscopic 3D visualization.
 - interactive visualization in mobile/locative media systems.
 - design methodologies rooted in psychoperception and/or cognitive modelling;
 - innovative design methodologies and embodied/performative/empathetic user systems, interactive visualization in mobile/locative media systems;
 - Other innovative practices at the nexus of human-computer interaction, computer science, graphics, visual design, and/or psychology will also be considered.
- a primary interest in the cultural, medical, or healthcare sectors
- ability to participate in partnerships with industry and/or other public institutions, new or currently undertaken.
- demonstrated expertise and leadership in curricular innovation at the undergraduate and graduate level

Successful candidates will collaborate with faculty in the Digital Media Research Hub – a pan university effort including the Faculties of Science and Engineering, Fine Arts, Liberal Arts and Professional Studies and Osgoode Hall Law School. York University, in collaboration with Ontario College of Art and Design, has received \$11.5-million, 5-year funding from the Ontario Research Foundation (ORF) to establish the Centre for Innovation in Information Visualization and Data-Driven Design (CIV-DDD), which will develop the next generation of data discovery, design and visualization techniques by developing new computational tools, representational strategies and interfaces. The incumbent will play a strong role in the research activities being carried out at the Centre.

The successful candidate will have a PhD in Computer Science, Digital Media, or a closely related field, as well as an outstanding research record and, preferably post-doctoral experience. The successful candidate is expected to develop a strong, externally funded research program, supervise graduate students, and must be eligible for prompt appointment to the Faculty of Graduate Studies. The successful candidate should also show excellence or promise of excellence in teaching especially at the core of the Digital Media BA program that is jointly offered by three York Faculties (Fine Arts, Science and Engineering, Liberal Arts and Professional Studies). This appointment is subject to approval by the CRC program review process. Eligibility criteria and CRC program information can be found at the following website: <http://www.chairs-chaire.gc.ca>.

York's Department of Computer Science and Engineering is one of the leading academic and research departments in Canada with 45 research-active faculty members, offering a range of undergraduate programs in Computer Science, Computer Engineering, Digital Media, Software Engineering, and Computer Security, as well as research intensive MSc and PhD in Computer Science and Engineering and MASc in Computer Engineering. Further information about the Faculty of Science and Engineering, with departmental links for Computer Science and Engineering, and Science and Technology Studies can be found at <http://www.science.yorku.ca/>

York University is an Affirmative Action Employer. The Affirmative Action Program can be found on York's website at www.yorku.ca/acadjobs or a copy can be obtained by calling the affirmative action office at 416-736-5713. All qualified candidates are encouraged to apply; however, Canadian citizens and Permanent Residents will be given priority.

Applications must be received by November 30, 2011. Applicants should submit a curriculum vitae, an outline of their teaching and research plans, single copies of three publications and arrange for three signed letters of reference to be sent to:

Chair, Digital Media CRC Tier 2 Search Committee
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