



**Canada Research Chair (Tier 2) in Applied Statistics
Department of Mathematics and Statistics, Faculty of Science, York University**

The Department of Mathematics and Statistics invites applications from emerging world-class leaders in the area of applied statistics to be nominated for a Tier 2 Canada Research Chair (CRC) at York University. We are seeking applications from candidates with teaching and research expertise in complex data analysis including large dimensional data generated by computational vision, biological and/or biomedical experiments, such as high throughput imaging/neural data.

This position is a research enhanced faculty position partially funded by the recently approved Canada First Research Excellence Fund VISTA (Vision: Science to Application) program. The successful candidate will engage with and benefit from the VISTA program led by York's internationally renowned Centre for Vision Research, and focused on the intersection between biological and computational vision. The VISTA program will be supported by a total of \$120 million in funding over the next seven years. The incumbent will receive enhanced research support, a reduced teaching load, and competitive access to general VISTA research and training funds for the duration of the program.

The Department of Mathematics and Statistics has a strong research group developing statistical methodology and applications in various branches of statistics, including statistical machine learning and big data analysis. The candidate must be willing and able to take a leadership role in the activities and development of a vibrant research group within the Department. The candidate is expected to form strong collaborations with fellow researchers in cognate fields across the University, throughout Canada and internationally. In addition, he/she is expected to recruit graduate students and postdoctoral fellows, attract significant external funding, and develop new courses in various areas of statistics, such as machine learning and data science. The Department also has strong research groups with interests in medical research, climate change as well as biological and financial applications. Related research hubs across the Faculty of Science and York University including the Centre for Vision Research, the York Institute for Health Research, and the High-Energy Physics Group also provide excellent collaborative opportunities.

The successful candidate should have a Ph.D. in statistics or a related discipline, and postdoctoral experience at the time of taking up the appointment, with a prior faculty appointment preferred, or equivalent qualifications. The incumbent will also have an outstanding early career record including training and research awards and publications in high-quality refereed journals, and clear evidence of cross-disciplinary collaboration. The incumbent is expected to propose or have initiated an original and innovative independent research program

and is also expected to demonstrate excellence or promise of excellence in teaching and graduate supervision and be eligible for prompt appointment to the Faculty of Graduate Studies.

The successful candidate will be appointed to a tenure-track position at the Assistant or Associate Professor level. The award of the Chair is subject to approval by the CRC program review process. Tier 2 Chairs have a five-year term, once renewable, and are intended for exceptional emerging researchers (i.e., within 10 years of attaining their highest degree, with consideration for career breaks) who have the acknowledged potential to lead their field of research. Eligibility criteria and CRC program information can be found at <http://www.chairs.gc.ca>.

The appointment is expected to commence July 1, 2017 or as soon as possible thereafter. Applications should include a letter of interest (incorporating a brief five-year research plan and evidence of teaching effectiveness), curriculum vitae, and names and contact information of three referees. Applications must be received by December 1, 2016. Only applications received through the AMS MathJobs website, www.mathjobs.org will be considered. Applications should include a letter of interest (incorporating a brief five-year research plan and evidence of teaching effectiveness), curriculum vitae, and three letters of reference. Applicants wishing to self-identify can do so by downloading and completing the form found at: <http://acadjobs.info.yorku.ca/files/2014/12/AA-Self-ID-Form-October-2013.pdf> Once this form has been signed it can be uploaded to MathJobs.

All York University positions are subject to budgetary approval. York University is an Affirmative Action (AA) employer and strongly values diversity, including gender and sexual diversity, within its community. York University is actively seeking applications from Aboriginal people, visible minorities, people with disabilities, and women. The AA program can be found at <http://yorku.ca/acadjobs> or by calling the AA office at 416-736-5713. All qualified candidates are encouraged to apply; however, Canadian citizens and Permanent Residents will be given priority.