



## **The UNIVERSITY of WESTERN ONTARIO**

### **Tier I CANADA RESEARCH CHAIR in Data Science**

The Departments of Computer Science and Statistical & Actuarial Sciences are pleased to announce a search for a Tier I Canada Research Chair in Data Science for a jointly appointed Tenured Appointment at the rank of Associate Professor or Full Professor. The rank will be commensurate with the successful applicant's qualifications and experience. The candidate must have a Ph.D. in Computer Science, Statistics, Mathematics, Engineering or a related field and a demonstrated record of independent research accomplishments. The starting date will be July 1, 2018, or as negotiated.

In accordance with the regulations set for Tier 1 Canada Research Chairs (<http://www.chairs-chaire.gc.ca>), the successful candidate will be an outstanding and innovative researcher whose accomplishments have made a major impact; be recognized internationally as a leader in their field; and have a superior record of attracting and supervising graduate students and postdoctoral fellows. The successful candidate will provide leadership in research, foster collaborations with industry, promote interdisciplinary scholarship, increase knowledge mobilization and societal benefits, and catalyze, in collaboration with faculty and staff, the development of interdisciplinary graduate and undergraduate programs in Data Science and Analytics. The preferred candidate will demonstrate leadership, collegiality and strategic vision through collaboration with existing Computer Science and Statistical & Actuarial Sciences faculty members to foster existing and build new links between the departments. The candidate must propose an innovative research program of the highest quality that will attract excellent trainees, students, and future researchers and will have displayed an interest in working on problems of industrial and/or societal relevance.

Data Science is a priority research and teaching focus at Western University. The preferred candidate will have an internationally peer-recognized record of research in data science/analytics. These areas might include one or more of the following: Machine learning, statistical analysis and calibration of big data sets and models, data-driven and data intensive systems, Bayesian modeling, stream data mining, spatio-temporal analysis, graph analytics, text analytics, and visualization and analysis of high-dimensional data.

Data science is a cornerstone to areas of strength at Western which are increasingly dependent on the acquisition and analysis of large amounts of data. These areas include (i) the environment with large data challenges in climate and ecosystems, natural hazards (e.g., wildland fire, seismic and wind), smart and safe cities, and energy and water utilization; (ii) financial markets and risk involving high-frequency time series and unstructured cross sectional data; and (iii) health, bioinformatics, neuroscience and public health. The candidate will be expected to build collaborative and innovative joint initiatives with our world class researchers in at least one of these areas.

Our researchers are supported by world-class facilities and infrastructure including the computational capacity in Sharcnet (<http://www.sharcnet.ca>) and Southern Ontario Smart

Computing Innovation Platform ([www.soscip.org](http://www.soscip.org)) as well as large scale facilities including the Biotron (<http://www.uwo.ca/sci/research/biotron/>) and WINDEEE Dome ([www.eng.uwo.ca/windeee/](http://www.eng.uwo.ca/windeee/)) that generate massive amounts of data from environmental simulations. Western's Brain and Mind Institute (<http://www.uwo.ca/bmi/>) provides access to data from the neurosciences, while the members of the Cultureplex lab (<http://www.cultureplex.ca/>) are engaged in the application of big data techniques and ideas to problems in the Digital Humanities.

With annual research funding exceeding \$220 million and an international reputation for success, Western ranks as one of Canada's top research - intensive universities. Western is home to about 35,000 full-time undergraduate and graduate students and has one of Canada's most beautiful campuses. General information about the University can be found at <http://www.uwo.ca/>. The university campus is in London Ontario, a city of 380,000, located midway between Toronto and Detroit. With parks, river valleys, tree-lined streets, and bicycle paths, London is known as the "Forest City". London boasts an international airport, art galleries, theatre, music and sporting events (see <http://www.goodmovelondon.com/>). Western's Office of Faculty Recruitment and Retention is available to assist in the transition of the successful applicant and family (<http://www.uwo.ca/facultyrelations/>).

*Please ensure that the Application for Full-Time Faculty Position Form (available at <http://www.uwo.ca/facultyrelations/faculty/Application-FullTime-Faculty-Position-Form.pdf>) is completed and included in your application submission.*

Candidates should submit a *curriculum vitae*, one-page teaching statement, one-page statement listing experience or interest in professional and/or leadership programs, two-page research plan, and contact details of at least three referees to:

Dianne McFadzean  
Department of Computer Science,  
Western University,  
London, Ontario N6A 5B7  
[dmcfadze@uwo.ca](mailto:dmcfadze@uwo.ca)

Applications will be considered starting September 30, 2017 and will continue until the position is filled.

*Positions are subject to budget approval. Applicants should have fluent written and oral communication skills in English. The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, aboriginal persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression.*

*In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.*

*Accommodations are available for applicants with disabilities throughout the recruitment process. If you require accommodations for interviews or other meetings, please contact Dianne McFadzean at [dmcfadze@uwo.ca](mailto:dmcfadze@uwo.ca)*

Posted on Faculty Relations website April 25, 2017.