



### CANADA RESEARCH CHAIR Tier II in DATA-CENTRIC SYSTEMS

The Department of Computer Science, Faculty of Science, Western University is pleased to announce the search for a Tier II Canada Research Chair in Data-Centric Systems. Western Science is making significant investments in 'Big Data' as part of its broader Science of Information research theme, in line with its strategic priorities at [http://www.uwo.ca/sci/pdf/STRATEGIC%20PRIORITIES\\_FA-web.pdf](http://www.uwo.ca/sci/pdf/STRATEGIC%20PRIORITIES_FA-web.pdf), as well as the broader priorities of Western University (Achieving Excellence on the World Stage: see [http://president.uwo.ca/pdf/strategic-plan/WesternU\\_Full\\_StratPlan\\_2014.pdf](http://president.uwo.ca/pdf/strategic-plan/WesternU_Full_StratPlan_2014.pdf)).

In accordance with the regulations set for Tier 2 Canada Research Chairs ([www.chairs-chaire.gc.ca](http://www.chairs-chaire.gc.ca)), Tier 2 Chairs are intended for exceptional emerging scholars (i.e., candidates must have less than 10 years of experience as an active researcher in their field at the time of nomination). Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process, please contact [Research Development at Western](#) for more information. Please consult the Canada Research Chair website for full program information, including further details on eligibility criteria: [http://www.chairs-chaire.gc.ca/program-programme/nomination-mise\\_en\\_candidature-eng.aspx#s3](http://www.chairs-chaire.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx#s3)

The successful candidate will have an established record in database systems research with preference given to applicants whose research focuses on both scalable and distributed database systems. Publications in highly ranked journals and refereed conference proceedings as well as invited presentations at prestigious international conferences are both attributes of our desired candidate. A demonstrated interest in applied interdisciplinary research is highly desirable. Demonstrated success in attracting research funds from a variety of sources and initiation and fostering industry-academic collaborations are also essential. The start date will be July 1, 2018 or as negotiated.

The Department of Computer Science (<http://www.csd.uwo.ca>) currently has substantial and diverse strengths, especially in the area of *large-scale analytics*. This research field focuses on developing the foundations of methodologies in machine learning, algorithmic and computational mathematics for image processing and genome analysis, human-data interaction, visual analytics and natural language processing. Cross-disciplinary teams are tackling big data challenges in health informatics, life sciences, and other areas. Western Computer Science has recently hired a Canada Research Chair in Statistical Health Sciences and a Western Research Chairs in Computational Neuroscience. The Department also has expertise in software and systems, with a second recent Western Research Chair hire in Cyber-Physical systems. This Canada Research Chair position will complement existing software and systems strengths in Computer Science and Electrical and Computer Engineering at Western, and is expected to participate in cross-disciplinary teams. The research will be supported by the high performance computing facilities of SHARCNET and the Southern Ontario Smart Computing Innovation Platform (SOSCIP). The successful candidate must supervise graduate students at the MSc and PhD levels, and is expected to be able to teach courses in databases and data-centric systems at the undergraduate and graduate level in core computing disciplines and interdisciplinary programs. These courses include Western Integrated Science courses at the undergraduate level and graduate courses in our Professional Master's in Data Analytics (with Statistics).

Candidates are expected to hold a Ph.D. in Computer Science or related discipline. Candidates will be appointed to a Probationary (tenure-track) appointment at the rank of Assistant or Associate

Professor or to a Tenured appointment at the rank of Associate Professor. The rank and tenure status will be commensurate with the successful applicant's qualifications and experience.

With a full-time enrolment of about 35,000 students, Western University is a large, research-intensive university with a full range of academic and professional programs. General information about the University can be found at <http://www.uwo.ca/>. The university campus is in London Ontario, a city of 410,000, 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, galleries, theatre, music and sporting events (see <http://www.goodmovelondon.com/>).

Candidates should submit a curriculum vitae, a one-page teaching statement and a concise research proposal (5 pages, NSERC Discovery Grant format preferred, if available) and contact details of a least three professional referees who can provide letters of support to:

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

Consideration of applications will begin on March 1<sup>st</sup>, 2017 and will continue until the position is filled.

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

*Positions are subject to budget approval and a successful Canada Research Chair nomination. Applicants should have fluent written and oral communication skills in English. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. 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, Department of Computer Science, Western University, London, Ontario N6A 5B7, [dmcfadze@uwo.ca](mailto:dmcfadze@uwo.ca)*

Posted on Faculty Relations website December 15, 2016.