



### **Assistant Professor in Experimental Superconductive Magnets**

The Department of Physics and Astronomy at The University of Western Ontario invites applications for a new full-time, Probationary (tenure-track) faculty position at the rank of Assistant Professor, to complement an existing National Science and Engineering Research Council (NSERC) Industrial Research Chair in the area of magnetic resonance imaging (MRI) systems development. The preferred starting date of this position is July 1, 2017, but is negotiable.

The [Department of Physics and Astronomy](#) is a research-intensive department in Western's Faculty of Science, with both undergraduate and graduate programs offered in astronomy and physics. The Department is home to more than 30 full-time faculty members who combine excellence in both teaching and research. Established research areas within the Department of Physics and Astronomy include Medical Physics, Biomaterials, Condensed Matter, Planetary Science, and Astronomy.

Western is a world leader in the development and deployment of MRI. The Robarts Research Institute at Western is home to two 3T whole body MRI scanners, one 7T head-specific MRI and one small animal 9.4T MRI, all employing superconducting magnets. The successful candidate will become a member of a collaborative research program involving leading researchers in MRI with opportunities to prototype superconducting magnets for the next generation of MRI scanners.

Applicants must possess a PhD degree in Physics or a related discipline and have a strong record of research productivity in the form of publications in relevant peer reviewed journals, awards, invited talks and other scholarly achievements. They also must demonstrate that they are well positioned to apply successfully for external funding in both the public and private sectors as evidenced by their current success at funding and/or their potential for future partnerships detailed in their research plan. Demonstrated ability in teaching is an asset since the successful candidate will be expected to contribute to teaching at the graduate and undergraduate levels within the Department of Physics and Astronomy. The candidate also needs to demonstrate their ability to attract and train graduate students and other highly qualified personnel (HQP) and explain how HQP training integrates into their research plan.

The applicant must have a strong background in the design and prototyping of superconducting magnets. Experience in MRI physics and/or MRI systems development is an asset. The applicant will be expected to develop an innovative and productive independent research program within the collaborative research environment of the Department of Physics and Astronomy. Their long-term research plan should include synergies between their proposed research and current research activities in the Department.

Interested candidates should send – *electronically* – a curriculum vita, a list of refereed publications, a 5-year research plan and a statement of teaching philosophy, including training of HQP, to:

Prof. R. Sica, Chair  
c/o Jodi Guthrie, Assistant to the Chair  
Department of Physics and Astronomy  
The University of Western Ontario  
[jodi@uwo.ca](mailto:jodi@uwo.ca)

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 full-time 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 340,000, 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/>). [Western's Office of Faculty Recruitment and Retention](#) is available to assist in the transition of the successful applicant and their family.

Applications will be considered starting February 1, 2017 and will continue until the position is filled. Please ensure that the *Application for Full-Time Faculty Position* Form available at:

**Western University, Faculty of Science**

Western Science Centre Room 191, London ON, Canada N6A 5B7

T: 519-661-3041 F: 519-661-3703

[www.westernu.ca/sci/](http://www.westernu.ca/sci/)

<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. 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 Ms. Jodi Guthrie by email at [Jodi@uwo.ca](mailto:Jodi@uwo.ca).*