

Fedoruk Centre Chair in Nuclear Imaging Research ,  
Department of Physics  
University of Regina

Direct Link: <https://www.AcademicKeys.com/r?job=173401>

Downloaded On: Jan. 29, 2022 12:17am

Posted Nov. 25, 2021, set to expire Mar. 29, 2022

<b>Job Title</b>	Fedoruk Centre Chair in Nuclear Imaging Research , Department of Physics
<b>Department</b>	Faculty of Science <a href="https://www.uregina.ca/science/physics/">https://www.uregina.ca/science/physics/</a>
<b>Institution</b>	University of Regina Regina, Saskatchewan
<b>Date Posted</b>	Nov. 25, 2021
<b>Application Deadline</b>	open until filled
<b>Position Start Date</b>	Jul. 1, 2022
<b>Job Categories</b>	Assistant Professor
<b>Academic Field(s)</b>	Physics - General
<b>Job Website</b>	<a href="https://urcareers.uregina.ca">https://urcareers.uregina.ca</a>
<b>Apply Online Here</b>	<a href="https://urcareers.uregina.ca">https://urcareers.uregina.ca</a>

**Apply By Email**

**Job Description**

The Faculty of Science and the Department of Physics at the University of Regina invite applications for the position of Fedoruk Chair in Neutron Imaging, centered on applied/experimental neutron imaging or a closely related field. The anticipated start date is July 1, 2022. The Fedoruk Chair in Neutron Imaging will hold a tenure-track appointment at the rank of Assistant Professor or, in the case of more experienced candidates, a tenured appointment at the rank of Associate Professor.

The Chair is funded by the Sylvia Fedoruk Canadian Centre for Nuclear Innovation Inc. ([www.fedorukcentre.ca](http://www.fedorukcentre.ca)) for an initial five-year period, after which, the chair-holder will transition into a regular faculty appointment at the University of Regina. This position aims to capture a research niche in Saskatchewan and build capacity in a field of science that is of national interest realized through the

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Canadian Neutron Initiative (CNI). Examples of potential research areas which would complement the Department's applied physics portfolio include, but are not limited to: materials research, clean energy technologies, advanced manufacturing, and biomedical and life sciences. In anticipation of the new hire, the University of Regina is participating in a multi-institutional application to the 2023 Canada Foundation for Innovation (CFI-IF) competition to build a prototype Compact Accelerator-based Neutron Source (CANS). The successful candidate will be expected to use existing domestic and/or international neutron beam facilities to carry out a successful research program.

The Department of Physics is a leader in experimental and theoretical subatomic physics research with established programs in applied nuclear science (Saskatchewan Centre for Cyclotron Sciences), neutrino physics (T2K, Hyper-K and HALO-1kT), hadron structure (Jefferson Lab and the Electron Ion Collider), nuclear structure and astrophysics (TRIUMF), neutrinoless double beta decay (LEGEND), and beyond the Standard Model phenomenology (CERN). Should the recruited candidate carry out research that requires detector development, our department has expertise in electromagnetic calorimetry (detecting photons and neutrons) and nuclear imaging (X-ray and positron emission tomography) that can be leveraged and complemented by the new hire.

We are looking for an outstanding and innovative scholar whose accomplishments show potential or have already begun to have an impact in neutron imaging or a related field. The candidate will be recognized as an emerging or established leader and will be expected to attract, develop and retain excellent trainees, students and future researchers and propose original and innovative research of the highest quality.

Applicants must have a Ph.D. in experimental nuclear physics or a related field with postdoctoral research experience and a strong research and publication record. They will be committed to excellence in the three pillars of academia (research, teaching and service) as continued contribution in all of these areas will be expected from the successful applicant. Candidates must have proven expertise or demonstrable potential for excellence in neutron imaging or neutron small angle scattering research or a very closely related field. Experience in image reconstruction, detector development, data collection, analysis, simulation techniques, will be considered assets.

Candidates must apply online at <https://urcareers.uregina.ca> and submit a cover letter, curriculum vitae, a statement of their most significant research contributions (up to 2 pages), a statement of research plan (up to 3 pages) and a statement of teaching interests (up to 2 pages). Candidates should also submit online the names and email addresses of at least three professional references.

Questions and requests for additional information regarding this competition may be addressed to the chair of the search committee, Dr. Aram Teymurazyan ([Aram.Teymurazyan@uregina.ca](mailto:Aram.Teymurazyan@uregina.ca)).

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This position will be posted until filled. Screening will begin on/about Jan 28, 2021. While the University of Regina thanks all applicants for their interest, only short-listed candidates will be contacted.

### **EEO/AA Policy**

The University of Regina is committed to an inclusive workplace that reflects the richness of the community that we serve. The University welcomes applications from all qualified individuals, including individuals within the University's employment equity categories of women, persons with disabilities, members of visible minorities, Indigenous persons, individuals of diverse gender and sexual orientation and all groups protected by the Human Rights Code.

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact** Cheryl Risling  
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