



EMPLOYMENT OPPORTUNITIES

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COMPETITION: #19-36

DEPARTMENT OF PHYSICS – FACULTY OF SCIENCE TENURE-TRACK ASSISTANT PROFESSOR IN EXPERIMENTAL PHYSICS

Closing Date: Review of applications will begin March 31, 2020.

The Physics Department of the University of New Brunswick conducts world-class research in three areas: Materials Magnetic Resonance Imaging (MRI), Space and Atmospheric Research, and Atomic and Molecular Physics with undergraduate and graduate (M.Sc. and Ph.D.) degrees awarded in Physics. The Physics department is planning to introduce an Engineering Physics Program during the fall of 2021 and is a part of the Environmental Science Program of the Faculty of Science being introduced in the fall of 2020.

The Department of Physics at the University of New Brunswick invites applicants for a tenure-track faculty position in Experimental Physics that complements the existing research in the three research areas mentioned above. The incumbent will help to develop the Engineering Physics program and will be the Physics liaison to the Environmental Science Program. The appointment will be at the rank of Assistant Professor starting July 01, 2020, or as soon thereafter as possible. Review of applications will begin March 31. This position is subject to final budgetary approval.

The successful candidate will be an emerging researcher in their respective research field. As a faculty member, they will spend the majority of their time directly engaged in scientific research, teaching, and graduate and undergraduate student supervision. Teaching duties will include undergraduate courses in Physics as well as courses in the area of the appointee's research specialty at the senior undergraduate and graduate level. This position will require supervision of graduate students and other researchers, interacting with external partners, promoting Physics, the Faculty of Science, and UNB, and identifying and utilizing national and international research opportunities as well as industrial connections. Given the above, the candidate should demonstrate in their application the ability to work with and lead a team of researchers that includes significant industry linkages. As this position is an academic appointment, qualifications demonstrating the ability to transfer knowledge in classroom environments, develop new classroom material and inspire scholarship is also essential.

The appointee must have completed an earned doctorate in Physics, Engineering Physics, Environmental Science with Physics focus or a closely related field with a minimum two years of Post-Doctoral experience. Candidate's research should complement the three main research areas of the Physics department. Preference will be given to the Candidate who already has a Professional Engineer qualification or who is eligible and willing to become a registered Professional Engineer in the Province of New Brunswick within the first two years of the appointment.

Applications, including a curriculum vitae, a research proposal, a teaching dossier, and the names of three academic references, should be sent to:

**The Chair, Physics Department,
University of New Brunswick
8 Bailey Drive
P.O. Box 4400, Fredericton, NB E3B 5A3
E-mail: phychair@unb.ca**

Short-listed candidates will be required to provide satisfactory proof of credentials including appropriately certified translations of credentials into English, as applicable.

The University of New Brunswick is committed to employment equity and fostering diversity within our community and developing an inclusive workplace that reflects the richness of the broader community that we serve. The University welcomes and encourages applications from all qualified individuals who will help us achieve our goals, including women, visible minorities, Aboriginal persons, persons with disabilities, persons of any sexual orientation, gender identity or gender expression. Preference will be given to Canadian citizens and permanent residents of Canada.

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