



EMPLOYMENT OPPORTUNITIES

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COMPETITION: #23-36

DEPARTMENT OF PHYSICS

TENURE TRACK ASSISTANT PROFESSOR IN ENGINEERING PHYSICS

The Department of Physics at the University of New Brunswick invites applicants for a tenure-track faculty position in Space Systems Engineering or Optical Engineering that complements the existing research strengths of the Department: Materials Magnetic Resonance Imaging (MRI), Space and Atmospheric Research, Quantum Sensing, and Atomic, Molecular, and Optical Physics. The incumbent will be an integral part of the Engineering Physics Program introduced in Fall 2023 and will support the growth of the program. The appointment will be at the rank of Assistant Professor starting January 1, 2025, or as soon thereafter as possible.

The incumbent will spend most of their time directly engaged in scientific research, teaching, and graduate and undergraduate student supervision as a faculty member. Teaching duties will include undergraduate and graduate courses in Physics and in Engineering Physics. This position will require supervising graduate students and other researchers, interacting with external partners, promoting Engineering Physics, the Faculties of Science and Engineering, and UNB, and identifying and developing national and international research opportunities and 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 possible links to industry. As this position is an academic appointment, qualifications demonstrating the ability to transfer knowledge in classroom environments, develop new classroom material and inspire scholarship are also essential.

The appointee must have completed a doctorate in Space Systems Engineering, Optical Engineering, Experimental Physics, Engineering Physics, or related areas that fit one of the two streams of the Engineering Physics Program. The appointee should also have post-doctoral experience with demonstrated independent research achievements. The candidate will be required to obtain Professional Engineer (P.Eng.) qualification in the Province of New Brunswick within the first three years of the appointment (see <https://www.apegnb.com> for particulars).

Applications, including a curriculum vitae, a research plan/proposal, a teaching statement/philosophy (or dossier) specific to the UNB Engineering Physics curriculum, a description of the applicant's planned route to Professional Engineering status, and the names of three 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

Applicants should indicate if they are legally entitled to work in Canada. This position is subject to final budgetary approval.

The deadline for applications is **May 31, 2024**.

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.

