



PROFESSOR IN ENGINEERING PHYSICS

Job Reference Number: 18-PR-5

Posting/Closing Date: January 11, 2019 to March 18, 2019

Workplace: Montreal

Department or Service: Department of Physical Engineering

Position summary

Polytechnique Montréal promotes excellence, creativity, integrity, collaboration, respect, openness and diversity. Recognized as one of Montreal's best employers, it offers excellent working conditions, notably by fostering its employees' work-life balance and well-being. Polytechnique has an equal access employment program and encourages women, members of visible and ethnic minorities, Aboriginal people and persons with disabilities to apply. Accommodation can be provided at the request of persons with disabilities or based on other characteristics. Applying to Polytechnique means taking a leap toward a rewarding career and opening up to a world of opportunities.

Located on Mount Royal, an exceptional setting in the heart of Montreal, Polytechnique is a world-renowned engineering university that operates in a STARS certified environment. It excels in multidisciplinary and multisectoral research and in high-quality training at all academic levels. Founded in 1873, Polytechnique Montréal now numbers more than eight thousand five hundred students and relies on the expertise of more than a thousand persons with a wide variety of qualifications. In advocating sustainable development, Polytechnique stands out by its leading-edge innovations and its active role in technological, economic and social development. Polytechnique positions itself locally, nationally and internationally by favouring synergy among research ecosystems.

The Department of Engineering Physics at Polytechnique Montréal is recognized for the quality of its teaching and research activities, mainly in the fields of optics and photonics, advanced materials and devices, biomedical engineering, and nuclear and energy engineering. The Department is responsible for a bachelor's engineering program (B.Eng.) in engineering physics as well as graduate programs in engineering physics, nuclear engineering, and energy engineering. It employs approximately 22 professors and is home to 280 undergraduate students and 115 graduate students. The Department is known for the quality and scope of its experimental and numerical research facilities. Its members are active in major research and innovation networks.

Major responsibilities

The successful candidate will be expected to carry out the basic duties of this position with a dynamic and creative approach. In particular, he or she will:

- demonstrate a commitment to excellence in teaching at every level in engineering physics;
- supervise graduate students;
- carry out innovative research projects;
- collaborate with internal research teams, including engineering physics as well as with the industry;
- contribute to building the reputation of Polytechnique Montréal in Québec and elsewhere.

Area of expertise

The Department is seeking candidates with an excellent level of knowledge in physics and an extensive research experience in the field of experimental or theoretical physics of

materials or energy. We solicit applications from candidates with research activities that harmonize the activities of the Engineering Physics Department or to any other emergent technologies.

Essential qualifications

Applicants must hold a bachelor's degree and a doctorate in engineering, in physics or in a related field. The successful candidate must have an engineering license from the Ordre des ingénieurs du Québec (OIQ) or from an organization approved by Engineers Canada or take the necessary measures to obtain an approved license before obtaining tenure. Since the language of instruction is French, the candidates must demonstrate proficiency in French or the willingness to acquire a working knowledge of French within two years.

Conditions of employment

This faculty position is a tenure-track. Salary and benefits will be set in accordance with the collective agreement between Polytechnique Montréal and its professors. More precisely, this last provides arrangements for work-life balance and offers maternity, paternity and adoption leave in addition to the Québec Parental Insurance Plan (<http://www.rqap.gouv.qc.it/>)

Applications

Candidates should submit an application package consisting of a curriculum vitae, a statement of teaching goals and research priorities, records of teaching effectiveness, official records of their diplomas, the names of three references, examples of work relevant to the position and reprints of recent publications. Applications must be sent no later than March 18th, 2019 at 5:00 p.m. to:

Professor Alain Rochefort
Department Head

Department of Engineering Physics
Polytechnique Montréal
P.O. Box 6079, Downtown Station
Montréal, Québec H3C 3A7
CANADA
E-mail: postes@phys.polymtl.ca

The examination of applications will begin as soon as possible and will continue until the position is filled.

We encourage all qualified candidates to apply; however, in accordance with immigration requirements, Canadians and permanent residents will be given priority.

After completing its analysis of received applications, Polytechnique Montréal will contact the candidates with the most suitable qualifications.