



CALL FOR CANDIDATES

L'Université de Sherbrooke is seeking candidates for a regular, full-time tenure-track faculty position in the **Department of Electrical and Computer Engineering** of the **Faculty of Engineering**, in the area of **integrated photonics and nanotechnology**.

ABOUT THE UNIVERSITÉ DE SHERBROOKE

Renowned both nationally and internationally, the Université de Sherbrooke is firmly rooted in the community and fully committed to responding to society's changing needs. Well beyond its primary mission of teaching and research, the University actively contributes to Quebec's development and influence with its original approaches and openness to innovative partnerships.

The Université de Sherbrooke is a French-speaking institution renowned for its human dimension, its innovative operating style and its partnering with professionals. The Université de Sherbrooke is host to more than 31,000 students (from 100 countries and territories worldwide), and another 12,000 students are registered at the University of the Third Age. There are 7,200 employees at the Université de Sherbrooke.

Sherbrooke is a university town nestled in the beautiful Eastern Townships of the Province of Quebec, close to the US border and just a short drive away from Montreal and Quebec City. The Université de Sherbrooke provides an exceptional quality of work and life environment.

ABOUT THE FACULTY AND THE DEPARTMENT

The **Faculty of Engineering** of Université de Sherbrooke and its **Department of Electrical and Computer Engineering** occupy an enviable position in the fields of training and applied research by providing a friendly and collaborative environment, where discovery and initiative are strongly favored. The Faculty is recognized for its work-study coop program and distinguishes itself from other Canadian universities in terms of technology transfer.

The electrical and computer engineering department (ECE) has strong axes of research and teaching in diverse fields such as power electronics, conversion of electrical energy, robotics, electrical vehicle propulsion, microelectronics, and micro/nanotechnologies. In addition, the ECE department distinguishes itself by its pedagogical methods unique in North America, including problem-based and project-based learning.

UNIVERSITY'S COMMITMENT TO DIVERSITY, EQUITY AND INCLUSION

The Université de Sherbrooke values employment diversity, equality, equity and inclusion within its community, and welcomes applications from any qualified persons, in particular women, members of visible and ethnic minorities, Aboriginal peoples, and persons with disabilities under the *Programme d'accès à l'égalité en emploi* (PAEE). As a result, the selection tools can be adapted, with an assurance of complete confidentiality, to the needs of persons with disabilities who so request. The University also encourages individuals of all sexual orientations and gender identities to apply. Canadians and permanent residents will be given priority. [For more information about the University's Commitment to Diversity, Equity, and Inclusion.](#)

REQUIRED PROFILE

The candidate's field of expertise is in integrated photonics such as, for example, active and passive on-chip waveguide systems, nanomaterials and thin-film materials, microfabrication processes, integration of microsystems and the design of "systems on chip" (SoC) such as microfabricated sensors and transducers as well as quantum technologies.

The candidates must propose a promising and innovative research program enabling the transfer of knowledge while demonstrating interest and competence in teaching.

The candidate will be chosen by a selection committee based on the following criteria:

- Expertise and experience in the required fields.
- The strength and scientific relevance of the proposal.
- The value of the proposal with regards to economic impact in Quebec.
- The suitability of the application with regards to the orientations of the Université de Sherbrooke.
- Contribution to the achievement of institutional targets in matters of diversity and equity, in particular the designated group of members of visible minorities and persons with disabilities, taking into account the pool of potential candidates.

PROFESSOR IN INTEGRATED PHOTONICS AND NANOTECHNOLOGY

Faculty of Engineering
Department of Electrical and Computer Engineering
Main Sherbrooke Campus
Offer 04544

PRINCIPAL CHALLENGES AND DUTIES

- Teach at all graduate and undergraduate levels.
- Supervise graduate students.
- Develop fundamental and applied research activities.
- Take part in university life.
- Contribute to community service.

QUALIFICATIONS

- Hold a PhD in a relevant discipline of engineering or science.
- Have a marked interest in university pedagogy and teaching as well as for research, development, and innovation.
- Demonstrate a good ability to supervise graduate students.
- Have a publication record in peer-reviewed journals of international standing.
- Demonstrate skills in establishing and maintaining good interpersonal relations, a sense of collaboration, and teamwork.
- Demonstrate qualities of leadership and initiative as well as strong skills in communicating and effectively and harmoniously interacting with various internal and external partners.
- The successful candidate must be able to teach in French or be able to do so in short order.
- Be a member of the *Ordre des ingénieurs du Québec* or have the required qualifications to become member as soon as possible.
- Experience in interdisciplinary, multidisciplinary, or transdisciplinary research as well as in knowledge transfer will be considered an asset.

The working conditions are governed by the collective agreement in effect.
Regular, full-time position.
Anticipated start date: summer 2021.

Check our website for the full description of all our job opportunities, then submit your application online. For this opportunity, see offer 04544.

Review of applications will begin no later than April 15, 2021 and will continue until the position is filled. Only complete files will be analyzed.

Please attach :

1. Your curriculum vitae
2. A letter of motivation
3. A research program proposal (5 pages) including in particular the main axes in connection with your previous work, the objectives pursued, integration with the priority themes of the Faculty of Engineering, the training of the highly qualified personnel who will be called upon to collaborate on the proposed program, fundraising leads, and networking.
4. Reprints of your most relevant recent contributions.

In addition, please send three (3) letters of recommendation, directly from the signatories, to the following address:

The Dean
Faculty of Engineering
Job posting 04544
Université de Sherbrooke
2500, boul. de l'Université Sherbrooke (Québec)
CANADA J1K 2R1
E-mail : doyen.genie@USherbrooke.ca