



## Call of Interest

### PROFESSORS OF PHYSICS (QUANTUM MATERIALS, QUANTUM INFORMATION OR QUANTUM TECHNOLOGIES) (2 positions)

Faculty of Science  
Department of Physics  
**Sherbrooke Main Campus**  
Offer 02279

The Université de Sherbrooke was recently awarded a \$33.5M grant from the Canada First Research Excellence Fund and \$8M from the Canadian Foundation for Innovation to become a world leader in research and education that takes advantage of the unique synergies offered by its existing strengths in quantum materials, quantum information, and quantum engineering. The Physics Department at Université de Sherbrooke invites applications for two (2) junior or senior Faculty positions with a strong research profile in one or more of these areas or at their interface.

The 14 professors of the Department conduct research in the following areas: superconductivity, strongly correlated electrons, topologically ordered materials, magnetism, quantum algorithms, quantum error-correction, superconducting qubits, quantum-enhanced metrology, solid-state spin qubits, photonics, and mesoscopic physics. In addition, members of the Department maintain strong ties with engineers, whose expertise includes micro-/nano-fabrication, cold electronics, single-electron transistors, packaging and integration. Many professors are members of the following networks: RQMP (Regroupement Québécois sur les Matériaux de Pointe), INTRIQ (INstitut TRansdisciplinaire d'Informatique Quantique), Canadian Institute for Advanced Research (Quantum Materials and Quantum Information Science). They have access to world-class computing resources and facilities for nanotechnologies, materials and device characterization.

**Only material received on November 30th, 2015 or before will be considered.**

**Check our website for the full description of all our job opportunities, then submit your application online.** For this opportunity, see [offer 02279](#).

**USherbrooke.ca/emplois**

### MAIN CHALLENGES AND RESPONSIBILITIES

- Teaching at the undergraduate and graduate levels.
- Research.
- Supervision of M. Sc. and Ph. D. students.
- Involvement in the university community.
- Service to the scientific community.

### REQUIREMENTS

- Ph. D. in Physics and postdoctoral experience.
- Strong research program and research leadership qualities.
- Strong pedagogical and communications qualities, and a serious interest in teaching.
- The new professor is expected to be able within one year to teach in French at the undergraduate and/or graduate level and his/her research program, either in experimental or theoretical physics, will reinforce or broaden the research areas already in place in the Department.

### FOR MORE INFORMATION PLEASE SEE:

[www.usherbrooke.ca/physique](http://www.usherbrooke.ca/physique)  
[www.cfref-apogee.gc.ca](http://www.cfref-apogee.gc.ca)  
[www.rqmp.ca](http://www.rqmp.ca)  
[www.intrig.org](http://www.intrig.org)  
[www.cifar.ca](http://www.cifar.ca)  
[epiq.physique.usherbrooke.ca](http://epiq.physique.usherbrooke.ca)

French is the common and teaching language at the Université de Sherbrooke. Applicants who have not fully mastered the French language will be considered provided they commit to enhancing their knowledge of French in their first year on the job.

Université de Sherbrooke values employment diversity, equality and equity within its community, and welcomes applications from any qualified persons, in particular women, members of visible and ethnic minorities, aboriginals and disabled persons.



UNIVERSITÉ DE

**SHERBROOKE**

| *Voir au futur*