

## Call for candidates

# Professor in quantum computing

N° 06177

Posting period: March 1, 2023 to April 14, 2023, 5 PM

**JOB DESCRIPTION:** Professor

**LOCATION:** Main campus

**STATUS:** Regular

**ADMINISTRATIVE UNIT:**

Faculty of Science

Department of Computer Science

**SCHEDULE:** Full time tenure-track position



The **Université de Sherbrooke** is seeking candidates for a regular full-time tenure track position in the Department of Computer Science of its Faculty of Science.


### About the Department

The Computer Science Department offers programs at the graduate and undergraduate levels: three B.Sc. coop programs specializing in computer science, management information systems, and multimedia and computer game sciences; two master's programs, one in computer science, the other in software engineering; and a Ph.D. program in computer science. The computer science master program includes multiple concentrations including in artificial intelligence and data science, computer games, Cybersecurity, medical imaging and bioinformatics. The Ph.D. program also has multiple concentrations including one in imaging and a second in bioinformatics.

The Department includes 22 professors actively involved in the following research areas: artificial intelligence, bioinformatics, health informatics, human-machine interface, imaging and digital media sciences, Internet of things, optimization, pervasive computing, security, formal methods, quantum computing, and theoretical computer science.

### About the Quantum Institute

The new professor will have the opportunity to become a member of the Institut Quantique (IQ) of the University of Sherbrooke which implements a strategy aimed at scientific breakthroughs in the sciences of quantum computing, quantum materials and quantum engineering. It brings together



world leaders in interdisciplinary research and training in the fields of quantum science and technology. IQ researchers are also members of several institutes, including the TRansdisciplinary Institute for Quantum Information. In addition to access to important digital computing resources, members have access to the quantum computing platform of the Quantum Institute which includes access to a quantum computer composed of 127 qubits.

### **Principal tasks**

- Teach at the graduate and undergraduate levels.
- Develop research activities.
- Supervise graduate students.
- Take part in administrative duties.
- Contribute to community service.

### **Requirements**

- Hold a PhD in computer science or a discipline deemed relevant.
- Have a research experience in quantum computing.
- Have a strong publication record in peer-reviewed journals of international standing, testifying to an excellent research record.
- Demonstrate skills in establishing and maintaining good interpersonal relationships, a sense of collaboration and teamwork skills.
- Demonstration of strong pedagogical abilities and the ability to supervise graduate students.
- 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.

### **Assets**

- Post-doctorate experience, or the equivalent, would be an asset.
- A field of expertise relating to the unifying theme climate change and environment of the Université de Sherbrooke will be considered an asset.



## Work conditions

The working conditions are governed by the collective agreement in force.

Regular, full-time tenure-track position.

Anticipated start date: depending on the availability of the successful candidate (to be confirmed).

## Equity, diversity and inclusion

The Université de Sherbrooke (UdeS) values equity, diversity, equality and inclusion in employment within its community and invites all qualified individuals to apply, particularly women, members of visible and ethnic minorities, Aboriginal peoples and [persons with disabilities](#) in compliance with the Quebec Act respecting equal access to employment in public bodies. The screening and assessment tools can be adapted according to the needs of persons with disabilities who request them, and this, in complete confidentiality. The Université de Sherbrooke also encourages people of all sexual orientations and gender identities to apply. Priority will be given to Canadians and permanent residents. [Learn more about equity, diversity and inclusion at UdeS.](#)

## Application process

Check our website then submit your application online. For this opportunity, see offer 06177.

Direct link: <https://www.usherbrooke.ca/emplois/offre/no/06177>

Please attach your curriculum vitae and a cover letter. In addition, please send three (3) letters of recommendation, directly from the signatories, to the following address:

The Dean

Faculty of Science

Job posting 06177

Université de Sherbrooke

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