



UNIVERSITÉ DE MONCTON  
EDMUNDSTON MONCTON SHIPPAGAN



Quantum Lab Moncton (QLM) is seeking applicants for the position of

## **Postdoctoral researcher in experimental quantum optics**

**GENERAL INFORMATION** : This position is for a post-doctoral researcher at Quantum Lab Moncton under the direction of Dr. Deny Hamel. The successful applicant will join our experimental quantum optics group working towards novel methods of generating and manipulating entangled photon states for quantum technologies.

**RESPONSIBILITIES** : The successful applicant is expected to :

- Perform quantum optics research as part of collaborative research group.
- Write manuscripts for scientific publications.
- Disseminate research results at national and international scientific conferences.
- Assist with supervision of graduate and undergraduate students.

**QUALIFICATIONS**: The successful applicant will hold a PhD in physics, optics, quantum information or a closely related field. The candidate should have experience performing original research in quantum information. Experience in a quantum optics laboratory is a significant asset. Candidates must be able to work both independently and within a collaborative environment. Excellent communications skills and the ability to keep clean records are essential.

**ANTICIPATED START DATE** : October 1, 2019.

**SALARY** : \$50,000/year + benefits.

**DURATION** : The employment contract is for one year and is renewable annually with funding secured for three years.

**HOW TO APPLY** : Interested applicants are invited to submit their CV, including a list of publications and electronic contact details of two possible references, and a cover letter stating their research interest to [postdoc@quantumlabmoncton.ca](mailto:postdoc@quantumlabmoncton.ca). The deadline for application is **August 12, 2019**. Later applications will be considered if the position has not yet been filled.

**ABOUT US** : Quantum Lab Moncton is led by Dr. Deny Hamel, Canada Research Chair in Optics and Quantum Information. It is located at the Université de Moncton, in Moncton, New Brunswick, Canada. Our work is focused on using nonlinear optics to enable quantum information technologies. More information is available on the group's website at <https://quantumlabmoncton.ca>.