POSTDOCTORAL POSITION IN
Integrated Optics Laboratory (hybrid quantum systems)

A postdoctoral researcher is sought to assist in the development of integrated devices and systems for applications in cavity quantum electrodynamics and quantum optics. This posting is related to a collaborative research project on hybrid quantum systems between researchers in the Department of Electrical and Computer Engineering and the Department of Physics.

The ideal candidate should demonstrate that they satisfy the following qualifications:

- A PhD degree in Electrical Engineering, Engineering Physics or Physics, with a background in laser optics, integrated micro-opto-electro-mechanical systems (MOEMS), and microfabrication
- Theoretical and experimental skills relating to quantum optics, cavity quantum electrodynamics, optomechanics, superconducting circuitry and/or cold atomic gases
- A background in optical table based experimentation and numerical modeling of optical and mechanical devices
- A strong track record of refereed journal publications
- The ability to work both independently and collaboratively
- Strong written and oral communication skills

The successful candidate will be based in the Department of Electrical and Computer Engineering, under the supervision of Dr. Ray DeCorby, but will be co-supervised by Profs. John Davis and Lindsay LeBlanc in the Department of Physics. The candidate will be expected to assist in the training and mentoring of graduate students.

The appointment will begin in Feb. 2018 or as soon as the position is filled, for an initial appointment of one year, but renewal for up to two additional years upon satisfactory performance. A competitive stipend will be awarded commensurate with experience.

To Apply:
Please send a cover letter, CV, the names and contact information (address, phone number and email address) of three referees and one or two relevant sample publications to

Ray DeCorby, Ph.D., P.Eng.
Professor Department of Electrical and Computer Engineering
11-269 Donadeo Innovation Centre for Engineering
University of Alberta Edmonton, Alberta, Canada T6G 1H9
rdecorby@ualberta.ca
T: 780 492-5585 (+1 if outside Canada)

Closing date:
"position open until filled"

We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.

The University of Alberta offers appointments on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities and Aboriginal persons.