

About the Position

Field of Specialization: Fiber Bragg Grating Sensors

Academic Unit: Electronics

Category of Appointment: Canada Research Chair, Tier 2

Rank/Position Title: Assistant or Associate Professor

Start Date: January 1, 2023

Closing Date: Complete applications will be considered starting September 30, 2022 and continue until the position is filled

The Department of Electronics invites applications from qualified candidates for a Canada Research Chair (CRC) Tier 2 appointment in Fiber Bragg Grating Sensors at the rank of Assistant or Associate Professor beginning January 1, 2023. The successful candidate will work with the Faculty of Engineering and Design to prepare and submit an application to the CRC Secretariat.

The candidate will be expected to establish and lead an independent externally funded research program in the field of Fiber Bragg Grating Sensors including collaborations with internal and external partners. This is an exceptional opportunity to assume operation of Carleton University's Advanced Photonic Components Laboratory established by Tier 1 Canada Research Chair Professor Jacques Albert. The candidate will be required to teach at both undergraduate and graduate levels and supervise student projects and thesis research. The candidate is also expected to contribute to the operation and development of the academic unit and the University including program and curriculum development.

To see the full position posting, please visit Carleton University's [Deputy Provost's website](https://carleton.ca/deputyprovost/jobs/academics/) at <https://carleton.ca/deputyprovost/jobs/academics/>.

Tier 2 Chairs are intended for exceptional emerging scholars (i.e., candidates must have been an active researcher in their field for fewer than 10 years at the time of nomination). Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process.

For more details, please see the [Canada Research Chairs Secretariat](#) and the [Carleton Office for Research Initiatives and Services](#).

We encourage applications from candidates from groups underrepresented in engineering and with experience in mentoring students from such groups.

About the Academic Unit

The [Department of Electronics](#) is a research-intensive department with an active community including 30 full time faculty. The department is primarily responsible for delivering undergraduate programs in Electrical Engineering, Engineering Physics, and Sustainable and Renewable Energy Engineering and supports several other programs within the faculty.

Qualifications

The position requires a Ph.D. in Electrical Engineering or equivalent, and current membership in a professional engineering association in Canada or ability to obtain membership within five (5) years of appointment. Candidates should provide evidence of research and teaching excellence. The candidate

requires a background in fabrication of fiber Bragg gratings using phase mask methods, and use of fiber gratings in sensing applications.

Application Instructions

Applicants should send one PDF document including cover letter, curriculum vitae, research plan, teaching dossier, and the names of three referees. Applications should be sent electronically to chair@doe.carleton.ca.

Please provide a statement that identifies your strengths in advancing equity, diversity, and inclusion in your discipline and on campus as well as your future plans.

Please indicate if you are currently legally entitled to work in Canada.

To help us develop our equity programs, a confidential equity and diversity self-identification survey will be sent to all applicants separately.

About Carleton University

Located in Ottawa, Carleton is an innovative teaching and research institution with a tradition of leading change. Internationally recognized academics, staff, and researchers engage more than 31,000 students in over 100 programs of study. Carleton has long been known for promoting research excellence and connectedness and is involved in partnerships around the globe. With strong leadership, it enjoys a healthy financial position and our proximity to government and cultural institutions, media, and a thriving knowledge economy make Carleton and Ottawa a great place to work, learn, and live. Our picturesque campus is fully accessible and, along with award-winning student services, Carleton's Paul Menton Centre for Students with Disabilities has been heralded as the gold standard for disability support services in Canada. Learn more about [our university and the city of Ottawa](#).

We are strongly committed to equity, diversity, and inclusion in the nomination and appointment process. Carleton University is committed to fostering diversity within its community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to the further diversification of our university including, but not limited to: women; visible minorities; First Nations, Inuit and Métis peoples; persons with disabilities; and persons of any sexual orientation, gender identity and/or expression. Furthermore, Carleton understands that career paths vary and interruptions will not prejudice the assessment process. We invite you to review our revitalized Indigenous strategy, [Kinàmàgawin](#) and visit our [Department of Equity and Inclusive Communities](#) for information about our commitment to leadership in the areas of equity, diversity, and inclusion.

Accessibility is a university strategic priority and applicants selected for an interview who require accommodations are invited to contact the Chair as soon as possible to ensure that appropriate arrangements may be made.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. All positions are subject to budgetary approval.