

Tier 2 Canada Research Chair in Next-Generation
Technologies for a Sustainable Future
University of Ottawa

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Posted Aug. 19, 2025, set to expire Oct. 15, 2025

Job Title	Tier 2 Canada Research Chair in Next-Generation Technologies for a Sustainable Future
Department	Faculty of Engineering
Institution	University of Ottawa Ottawa, Ontario
Date Posted	Aug. 19, 2025
Application Deadline	Oct. 15, 2025
Position Start Date	Jul. 15, 2026
Job Categories	Assistant Professor Associate Professor Research Professor
Academic Field(s)	Sustainable Engineering Industrial & Systems Engineering Energy Technology
Apply Online Here	https://uottawa.wd3.myworkdayjobs.com/en-US/uOttawa_External_Career_Site/job/Ottawa-ON/Tier-2-Canada-Research-Chair-in-Next-Generation-Technologies-for-a-Sustainable-Future_JR27540

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Job Description

The [Faculty of Engineering](#) at the [University of Ottawa](#) is seeking applications for a Tier 2 Canada Research Chair (CRC) in **Next-Generation Technologies for a Sustainable Future**. We are seeking an outstanding early-career researcher whose innovative, interdisciplinary work addresses global

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sustainability challenges through cutting-edge engineering solutions.

The appointed Chair will develop a world-class research program focused on the development, integration, and deployment of next-generation technologies to support sustainability related to environment, infrastructure, and industry. Candidates are expected to demonstrate a strong commitment to technological innovation and interdisciplinary collaboration.

Research programs may address, but are not limited to, the following areas:

- Renewable energy systems, energy storage, and energy management technologies
- Clean manufacturing and sustainable process engineering
- Sustainable and resilient infrastructure, urban systems, or climate-resilient design
- Electrification, hydrogen systems, and decarbonized transportation
- Intelligent monitoring systems and automation for environmental performance
- Advanced materials or nanotechnologies or engineered pathogen-resilient systems for environmental sustainability
- Circular economic technologies and life-cycle engineering
- AI-driven modelling and optimization for sustainable systems.

Candidates may incorporate connections to energy and social justice in their research - for example, by addressing the equitable deployment of sustainable technologies, the needs of marginalized communities in infrastructure design, or ethical considerations in engineering systems. However, the primary focus must remain on engineering and technology development.

The successful candidate will take up a tenure-track appointment in one (or more) of the five academic units of the Faculty of Engineering: Department of Mechanical Engineering, Department of Chemical and Biological Engineering, Department of Civil Engineering, School of Electrical Engineering and Computer Science, or School of Engineering Design and Teaching Innovation.

Located on the unceded territory of the Anishinaabe-Algonquin people, in the heart of the nation's capital and in close proximity to multiple national agencies, [the University of Ottawa](#) is one of Canada's top ten research-intensive universities. It is recognized as the first and largest bilingual university in North America and offers strong connections to organizational, government, and policy interest holders.

Tier 2 Chairs, tenable for five years and renewable once, are for exceptional emerging researchers, acknowledged by their peers as having the potential to lead in their field. For each Tier 2 Chair, the Canada Research Chairs (CRC) Program allocates to institutions \$100,000 annually for five years, with an additional \$20,000 annual research stipend for first-term Tier 2 Chairs.

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Candidates should, at a minimum, be assistant or associate professors, or possess the necessary qualifications to be appointed to these levels. Candidates who are more than 10 years from their highest degree must contact the University of Ottawa directly for questions related to their potential eligibility for a Tier 2 Chair. The institution may nominate a professor or a researcher who is more than 10 years from their highest degree at the time of nomination and has experienced legitimate career interruptions (see [acceptable justifications](#)). In such cases, the institution must submit to the Secretariat a formal justification (using the [Tier 2 Justification Screening Form](#)), explaining why the nominee is still considered to be an emerging scholar. The University recognizes the legitimate impact that leaves (e.g., parental leave, leave due to illness) can have on a candidate's record of research achievement and that these leaves will be taken into careful consideration during the assessment process. New CRC nominees are also eligible for infrastructure support from the [Canada Foundation for Innovation](#) (CFI) to help acquire state-of-the-art equipment essential to their work.

Preferential Hiring:

The University of Ottawa is committed to ensuring equity, diversity and inclusion in the scholarly and leadership environments of our students, staff, and faculty. Accordingly, we strongly encourage applications from skilled and experienced members of the four designated groups such as Indigenous Peoples, racialized individuals, persons with disabilities, women and gender equity-seeking groups, as defined in the CRC Program [method for establishing equity targets](#) and the [Employment Equity Act](#), as well as from all qualified candidates with the skills and knowledge to productively implement equity measures that ensure and retain diverse teams and promote inclusive practices for research team members. As part of this preferential hiring process, applications from members of the four designated groups will be prioritized and assessed first for the vacancy. The purpose of this measure is to increase the representation and contribution of members of the four designated groups in the allocation of Canada Research Chair positions. All candidates are asked to complete the confidential self-identification questionnaire during the online application process. Internal candidates such as professors, postdoctoral fellows, and students are not eligible.

Skills requirements

- **Education:** D. in a relevant engineering discipline.
- **Required Qualifications:** superior research achievements in the CRC's identified area(s) and proof of interdisciplinary collaborations, a solid record with respect to teaching and training of students at the graduate level, the ability to obtain external research funds, Excellent communication skills in either English or French. Active or eligible for P.Eng license in good standing.

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Duties: Academic staff functions include, in varying proportions:

- teaching;
- scholarly activities such as research, artistic or literary creation, or professional work;
- academic service;
- graduate student supervision.

Rank and Salary:

New tenure-track academic appointment in the Faculty of Engineering. Salary scale for an Assistant Professor starts at \$99,377 and \$109,776 for an Associate Professor (as per the collective agreement of May 1, 2025). Salaries are competitive and commensurate with qualifications and experience.

Benefits package: The University of Ottawa provides a [complete benefits package](#), which includes long-term disability insurance, basic group life insurance, health insurance, University of Ottawa pension plan and optional life insurance, as well as reimbursement of eligible relocation expenses.

Location of work: Faculty of Engineering, University of Ottawa, Ottawa, ON K1N 6N5.

Application Package

- A cover letter;
- An up-to-date curriculum vitae (Please include any personal circumstances and/or career interruptions such as parental or sick leaves that may have impacted your research trajectory. These will be taken into consideration in the selection process);
- A research plan (2 to 3 pages);
- A statement of teaching interests (1 to 2 pages);
- A statement on equity, diversity, and inclusion philosophy and concrete practices (1 page);
- The names of three people whom may be contacted by the University for letters of reference which will follow the [Canada Research Chairs guidelines](#) (one arm's length and two who are not affiliated to the University of Ottawa unless they are the candidate's PhD or postdoctoral supervisor); and
- The self-identification: Complete the confidential Employment Equity questionnaire online during the application process. The Canada Research Chairs Program requires institutions to collect self-identification data from all applicants, following the program's [best practices](#).

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More information regarding [Academic Careers can be found online.Apply online](#) through the University of Ottawa Careers portal.

To apply, we invite you to merge the various sections of your application into a single PDF file, which you can then upload to the Careers website. However, if you encounter any problems submitting your application, you can send it to the following email address:
rccacrcp@uottawa.ca.

The selection process will begin immediately after the closing date and will continue until the position is filled. Only candidates selected for an interview will be contacted.

Please address your cover letter to the following person:

Dr. Julie-St-Pierre, Vice-President, Research and Innovation

University of Ottawa

550 Cumberland St., room 246

Ottawa, ON K1N 6N5 - CANADA

For questions, please email: rccacrcp@uottawa.ca

Ad posted on August 15, 2025.

EEO/AA Policy

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In accordance with government policy, all qualified candidates are invited to apply; however, preference will be given to Canadians and permanent residents. When submitting your application, please indicate if you are legally entitled to work in Canada.

The University of Ottawa provides accommodations for applicants with disabilities throughout the recruitment process. If you are invited to proceed in the selection process, please notify us of any accommodations that you require by emailing the Office of the Vice-Provost, Faculty Relations, at vra.affairesprofessorales@uOttawa.ca. Any information you send us will be handled respectfully and in complete confidence.

The University of Ottawa is proud of its more than 175-year tradition of bilingualism. Through its Official Languages and Bilingualism Institute, the University provides second-language training to staff members and their spouses.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Dr. Julie-St-Pierre
Office of the Vice-President, Research and Innovation
University of Ottawa
550 Cumberland St., Room 246
Ottawa, ON K1N 6N5
Canada

Phone Number 6135625800

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