

# Tier 2 Canada Research Chair in Managing AI-driven Technologies for Cardiac Care

University of Ottawa

**Location:** Ontario

**Application deadline:** December 20, 2020

The [Telfer School of Management](#) (TSM) at the University of Ottawa and the [University of Ottawa Heart Institute](#) (UOHI) are seeking applications for a Tier 2 Canada Research Chair in Managing AI-driven Technologies for Cardiac Care. The selected candidate will hold a tenure-track faculty position and will explore the organizational implications of the application of Artificial Intelligence (AI) in healthcare, with a particular focus on its use for improving cardiac patient care. The research conducted by the Chair holder is expected to focus on the way in which AI can create value for patients, clinicians, and institutions and the organizational and practical implications surrounding its implementation. This Chair builds on a unique partnership between the University of Ottawa Heart Institute (UOHI), a world-class tertiary cardiac center, and the Telfer School of Management (TSM), a triple-accredited business school. The Chair holder is expected to teach in the Telfer School programs and conduct research of relevance for healthcare management practice in the context of AI-driven technologies.

## **Research agenda**

The research agenda of this interdisciplinary Canada Research Chair draws from relevant fields such as applied AI, operations research, information systems, or health informatics to answer the following broad questions:

- How can AI-driven clinical and administrative tools provide value to the healthcare organizations?
- How can AI-driven technologies improve patient care?
- How can healthcare organizations leverage the opportunities presented by AI-driven technologies to transform health systems in a post-COVID 19 context?

While research conducted by the Chair will be in collaboration with UOHI, results need to be scaled up to other settings and contexts.

## **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 members of the four designated groups such as Indigenous peoples, visible minorities, persons with disabilities, and women, as defined in the [Employment Equity Act](#), as well as from all qualified candidates with the skills and knowledge to

productively engage with equitable, diverse and inclusive communities. As part of this preferential hiring process, applications from members of the four designated groups will be prioritized and assessed first for the vacancy. Candidates who wish to qualify for preferential consideration are asked to fill the following self-identification form: [https://research.uottawa.ca/sites/research.uottawa.ca/files/crc\\_self-identification\\_questionnaire\\_ovpr.pdf](https://research.uottawa.ca/sites/research.uottawa.ca/files/crc_self-identification_questionnaire_ovpr.pdf). The purpose of this measure is to increase the representation of members of the four designated groups in the allocation of Canada Research Chair positions.

### **Program description**

**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 institution receives \$100,000 annually for five years, with an additional \$20,000 annual research stipend for first-term Tier 2 Chairs.

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.

### **Required Qualifications:**

A PhD or equivalent in applied AI, operations research/industrial engineering, information systems, or health informatics, combined with superior research achievements in health systems management and proof of interdisciplinary collaborations. Candidates with a demonstrated knowledge of healthcare systems and the application of AI tools and methods in healthcare domain are strongly encouraged to apply. Candidates should have 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. A passive knowledge of the other official language would be an asset.

### **Rank and salary:**

Regular tenure-track academic appointment in the Telfer School of Management. This position is governed by a collective agreement between the University of Ottawa and the Association of Professors of the University of Ottawa.

**Application Package:**

Interested applicants must submit the following:

- A cover letter;
- An up-to-date curriculum vitae with a complete list of publications, research grants, graduate supervisions (please include information on career interruptions such as parental or sick leaves that may have impacted your record of research. 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 describing how the Chair will foster and leverage unique partnership between the TSM and the UOHI (1-2 pages), and;
- The names of three people who may be contacted by the University for letters of reference which will follow the Canada Research Chairs guidelines (i.e. 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)
- Self-identification form (see Preferential Hiring section above).

Posting no.: 20059-CRC

**Deadline:** December 20, 2020

The selection process will begin in December and will continue until the position is filled. Only candidates selected for an interview will be contacted.

**Please send the application package to the following address or by email to:**

Dr. Sylvain Charbonneau, Vice-President, Research

University of Ottawa

550 Cumberland St., room 246

Ottawa, ON K1N 6N5 CANADA

[rcca-coord@uOttawa.ca](mailto:rcca-coord@uOttawa.ca)

*If you are invited to continue the selection process, please notify us of any particular adaptive measures you might require by contacting the Office of the Vice-Provost, Faculty Relations at 613-562-5958. The Canada Research Chairs Program imposes no restrictions on nominees with regard to nationality or country of residence. Procedures to allow non-Canadian chairholders to work in Canada have been established by Employment and Social Development Canada and Immigration, Refugees and Citizenship Canada.*

*The University of Ottawa is justly proud of its 160-year tradition of bilingualism. Through its Official Languages and Bilingualism Institute, the University provides training to staff members and their spouses in their second official language. At the time of tenure, professors are expected to be able to function in a bilingual setting. In certain cases, professors must have the ability to teach in both official languages to be granted tenure.*

**Notice of Collection of Personal Information**

*In accordance with the Freedom of Information and Protection of Privacy Act (Ontario) and with University Policy 90, your personal information is collected under the authority of the University of Ottawa Act, 1965 and is intended to be used for the purpose of and those consistent with your employment application and the administration of your employment relationship, if established. If you have any questions regarding this collection of personal information, please contact Office of the Vice-Provost, Faculty Relations at (613) 562-5958 or by email at [vra.affairesprofessorales@uottawa.ca](mailto:vra.affairesprofessorales@uottawa.ca).*