

Canada Research Chair in Computing for the Greater Good

Last updated: October 18, 2021, 4 p.m.

Job title: Canada Research Chair Tier II in Computing for the Greater Good

Position code: 21_C_CSSE_O

Date posted: October 18, 2021

Application deadline: December 31, 2021

Advertised until: Position is filled

Position description

The **Department of Computer Science and Software Engineering** seeks an outstanding candidate for a Canada Research Chair Tier II in the area of computing for the greater good. This is a research-intensive tenure-track faculty position and the appointment will be at the rank of Assistant Professor, but exceptional candidates at the Associate Professor level may also be considered. The successful candidate is an excellent emerging world-class researcher with demonstrated research creativity, a vision to establish an original and innovative research program of high quality and a drive to become an internationally recognized leader in their area of research in the next five to ten years. The candidate must demonstrate a potential to attract, develop and retain excellent trainees, students and future researchers. We seek individuals with expertise in research areas pertaining to computing for the greater good, including, but not limited to: bias in machine learning, game theory and mechanism design for social good, social network analysis, data science and privacy; and interest across the domains of computer science, economics, public policy, and sociology. Duties include research, teaching at both the graduate and undergraduate levels, and service to the institution.



Candidates must possess a PhD degree in Computer Science or a related discipline, or be near completion at the start date of the appointment. Membership or eligibility for membership in a Canadian professional engineering association, preferably in Quebec, is required.

The ideal candidate has a strong research record, leadership qualities, experience in educating students, supervising graduate students, and attracting research funding from external sources. Furthermore, the ideal candidate has an international presence in the field and a history of collaboration with other disciplines, as well as strong commitment to equity, diversity, and inclusion in science and/or engineering. Industry experience or applications of research to industry will be considered an asset. The candidate is expected to demonstrate a commitment to the supervision of master's and PhD students. The department values diversity among its faculty and strongly encourages applications from women and members of underrepresented groups. The language of instruction at Concordia is English, but a working knowledge of French is an asset.

Candidates eligible for Tier II chair positions must be excellent emerging scholars within 10 years of their highest degree at the time of nomination (exclusive of career interruptions). Potential Tier II candidates who are more than 10 years from their highest degree should take note that certain career interruptions may still make them eligible for nomination. Potential candidates are encouraged to submit a formal justification by means of the Tier II Justification Assessment Form, which will be considered in the review of applications. Please consult the [Canada Research Chairs website](#) for full program information, including further details on eligibility criteria and acceptable justifications to the extension of the eligibility term.

Notwithstanding the above and irrespective of their submission of a formal justification, candidates are encouraged to share any career interruptions or personal circumstances that may have had an impact on their career goals (such as the decision to have a family, eldercare, illness, and so forth) in their letter of application. These will be carefully



Applications should be addressed to Dr. Lata Narayanan, Professor and Chair of the Department of Computer Science and Software Engineering: hiring@cse.concordia.ca.

Applications must include a cover letter clearly identifying the title and position code (**21_C_CSSE_O**); a detailed curriculum vitae; teaching and research statements; and the names and contact information of four referees. Electronic applications should be submitted by **December 31, 2021** and will be reviewed on an ongoing basis until a suitable candidate has been identified. Only short-listed applicants are notified. The appointment is expected to commence on **August 1, 2022** or shortly thereafter.

Concordia University is strongly committed to building a diverse, equitable, and inclusive community, and recognizes the importance of inclusion in achieving excellence in teaching and research. As part of this commitment to providing our students with the dynamic, innovative, and inclusive educational environment of a Next-Generation University, we require all applicants to articulate in their cover letter how their background, as well as lived and professional experiences and expertise have prepared them to teach in ways that are relevant for a diverse, multicultural contemporary Canadian society.

These ongoing or anticipated examples can include but are not limited to:

- teaching about underrepresented populations
- mentoring students from underrepresented backgrounds
- committee work
- offering or organizing educational programming
- participation in training and workshops

All applicants will receive an email invitation to complete a short equity survey.

Participation in the survey is voluntary and no identifying information about candidates will be shared with hiring committees. Candidates who wish to self-identify as a member

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Applicants who anticipate requiring adaptive measures throughout any stage of the recruitment process may contact, in confidence, Nadia Hardy, Interim Deputy Provost and Vice-Provost, Faculty Development and Inclusion at vpfdi@concordia.ca or by phone at 514-848-2424, extension 4323.

Information about the Department

The Department of Computer Science and Software Engineering has over 50 faculty members, working in varied fields in computer science and software engineering, and has seen a major expansion in recent years. The department is steadily moving up the rankings in recent years, with the Software Engineering research group being rated among the highest in North America. The department is dedicated to multidisciplinary research and to educating students at the undergraduate and graduate levels in Computer Science and in Software Engineering. Concordia University is located in the heart of downtown Montreal, a multicultural city with a lively intellectual and cultural life. Montreal has emerged as a global hub in artificial intelligence, and is synergistically benefitting from a number of university researchers and research institutes collaborating with established companies as well as start-ups on the next breakthrough discoveries. It is also home to many leading high-tech companies in areas such as telecommunications, computer games, aerospace and biotechnology. More information about the department is available at: www.concordia.ca/cse.

Information about the Gina Cody School of Engineering and Computer Science

The Gina Cody School of Engineering and Computer Science is ranked among the top 10 engineering schools in Canada. The School is home to over 10,000 engineering and computer science students and a faculty complement of 235 faculty members. The School has about 4,500 graduate students enrolled in 35 graduate programs. Its research profile

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Information about Concordia

Profoundly global, Concordia is North America's top university under the age of 50 and is recognized for attracting some of the most talented faculty and students from around the world. Driven by ambition, innovation and a commitment to research and community engagement, Concordia is celebrated for advancing transformative learning, convergent thinking and public impact.

Concordia's two campuses are located in Tiohtià:ke/Montreal, on the traditional lands and waters of the Kanien'kehá:ka Nation. Building on the skills of our faculty and the strengths of local and global partnerships, we set our sights further and more broadly than others and align the quality of learning opportunities to larger trends and substantial challenges facing society.

Researchers at Concordia are leading investigations into some of the world's most critical issues, such as health, Indigenous futures, sustainability and cities — more important today than ever. Our priority is to mobilize cross-sections of experts to translate novel scholarship into real-world applications.

With 118 research chairs, 24 research centres and institutes, and research income of more than \$56 million annually, Concordia is fast advancing on its strategic direction to Double Our Research. Our nine far-looking [directions](#) demonstrate the university's commitment to being agile and innovative and ensuring student success. Our 6,600 faculty and staff and 50,800 students benefit from state-of-the-art research and teaching facilities, technology and pedagogical support, and compelling program offerings in our four faculties, library, School of Graduate Studies and Centre for Continuing Education. These modern venues, such as the Applied Science Hub and modular Learning Square, allow us to foster multidisciplinary collaboration.

“Concordia is a young, forward-looking university. It's a unique place where experimentation, innovation and creativity are truly valued. Our community of students,

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Montreal, our home, is exceptional. It is a truly unique city — safe, clean, vibrant and diverse, with new things to discover around every corner. With a population of 1.7 million, it is home to four major universities and several clinical research centres and has been named the best student city in the world. It offers the most affordable tuition in Canada.

The city enjoys a thriving multicultural scene. Bilingualism is a part of Montreal's tradition and adds to its inspiring atmosphere. While supporting a significant anglophone population, it is one of the largest French-speaking cities in the world.

Montreal is famed for its innovative culinary scene and festivals. It was also the first metropolis to be designated a UNESCO City of Design by the Global Alliance for Cultural Diversity.

The city is recognized globally as an important centre for commerce, aerospace, transport, finance, pharmaceuticals, technology, design, gaming and film.

Territorial Acknowledgement

Concordia University is located on unceded Indigenous lands. The Kanien'kehá:ka Nation is recognized as the custodians of the lands and waters on which we gather today.

Tiohtiá:ke/Montreal is historically known as a gathering place for many First Nations. Today, it is home to a diverse population of Indigenous and other peoples. We respect the continued connections with the past, present and future in our ongoing relationships with Indigenous and other peoples within the Montreal community.

Employment Equity

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sexual minorities, persons with disabilities, and others who may contribute to diversification; candidates are invited to self-identify in their applications.

Immigration Status

All qualified candidates are encouraged to apply; however, Canadian and Permanent Residents will be given priority. To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. While applicants need not identify their country of origin or current citizenship, all applications must include one of the following statements:

Yes, I am a citizen or permanent resident of Canada

or

No, I am not a citizen or permanent resident of Canada.

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