



EMPLOYMENT OPPORTUNITIES

www.unb.ca/hr/careers

COMPETITION: #24-05

DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING CISCO RESEARCH CHAIR IN IoT

Closing Date: The review of applications will begin Sept 3, 2024, and will continue until the position is filled.

The Faculty of Engineering at the University of New Brunswick in Fredericton invites applications for the Cisco Research Chair in IoT. The Internet of Things (IoT) refers to a network of interconnected physical devices embedded with sensors, software, and other technologies that collect and exchange data over the internet. This rapidly growing field, influenced by leading companies like Cisco, is revolutionizing industries and daily life by enabling real-time monitoring, analysis, and decision-making, making it an essential and transformative technology for the future. The tenure-track position at the Assistant or Associate Professor level in the Department of Electrical and Computer Engineering (ECE) will commence January 1, 2025, subject to budgetary approval. To be considered for the position, the applicant must have a PhD degree in Electrical, Software Engineering, or related Engineering discipline. Evidence of research and teaching success within the areas of IoT, artificial intelligence (AI), machine learning (ML), and edge computing are required for consideration. UNB's ECE department has active researchers in a broad range of topics including machine learning and AI, biomedical systems, CubeSats, photonics, prosthetics and orthotics, rehabilitation systems, digital health and diagnostics, smart grid power systems, software systems, thin film technologies, and wireless power transfer which afford a breadth of collaboration opportunities. The candidate is expected to work towards developing a strong externally funded research program along with teaching, graduate student supervision, and academic service. The selected applicant will be expected to register as a Professional Engineer in the Province of New Brunswick within the first year of the appointment. Further information may be found at www.unb.ca/aboutunb/employment.html.

The salary range for this position is defined in the Association of University of New Brunswick Teachers (AUNBT) 2022-2025 Collective Agreement section 36B.

The University of New Brunswick, established in 1785, has more than 7,000 students and 475 faculty members at its Fredericton campus. The Department of Electrical and Computer Engineering hosts approximately 450 undergraduate students, 120 graduate students and 18 faculty members; and offers undergraduate degrees in Electrical Engineering, Software Engineering (in collaboration with the Faculty of Computer Science), and Engineering Physics (in collaboration with the Department of Physics). The Department is an active participant in Co-Op programs that places engineering students in work terms across Canada.

As an Engineering Faculty, we understand the benefit and importance of improving equity and diversity within the Engineering discipline. As such, we will prioritize qualified applicants who add to the diversity of our team and who will set a strong example for our students.

Posted 2024/07/24

Applications should be submitted electronically as a single PDF file that includes:

- Cover letter outlining your qualifications for the position and including a statement of current citizenship
- Curriculum vitae including list of publications
- Research statement (less than three pages excluding references) describing past, current, and future aspirations relevant to this position
- Selection of three research publications
- Teaching dossier that includes teaching philosophy, pedagogical approach, and samples of course syllabi that would be relevant to this position within our programs
- EDI statement (less than two pages) identifying your strengths and/or experience in advancing equity, diversity and inclusion in your teaching, service, and/or scholarly activities
- The names and contact info of three references

The application package should be sent to:

Prof. Adam Wilson, Chair
Department of Electrical and Computer Engineering
University of New Brunswick
P. O. Box 4400
Fredericton, NB, E3B 5A3
Email: ece@unb.ca

Short-listed candidates will be required to provide satisfactory proof of credentials including appropriately certified translations of credentials into English, as applicable.

The University of New Brunswick is committed to employment equity and fostering diversity within our community and developing an inclusive workplace that reflects the richness of the broader community that we serve. The University welcomes and encourages applications from all qualified individuals who will help us achieve our goals, including women, visible minorities, Aboriginal persons, persons with disabilities, persons of any sexual orientation, gender identity or gender expression. Preference will be given to Canadian citizens and permanent residents of Canada