Tier 2 Canada Research Chair in Internet of Things

Position Details

Position Information

Position Title	Tier 2 Canada Research Chair in Internet of Things
Who We Are	At BCIT, we champion diversity of experiences, ideas, cultures and perspectives, to foster a community in which equality, equity and inclusivity are embedded in everything we do. We embrace endless innovation, ignited by imagination and creativity, to improve our approaches, opportunities and outcomes. We strive to achieve excellence in everything we do, to accomplish real, measurable results. We believe in the power of collaboration to amplify our efforts and begin every interaction with a foundation of respect for others' expertise, insights and inherent worth. Our overall vision is to empower people, shape BC, and inspire global progress. If this resonates with you, come join our team as we continue to provide practical education for a complex world.
Position Summary	The **British Columbia Institute of Technology (BCIT)** is seeking a suitable candidate for the nomination of a **Tier 2 Canada Research Chair in Internet of Things (IoT)**, in accordance with the regulations set for Tier 2 Canada Research Chairs. The successful candidate will be an excellent emerging researcher who has demonstrated research creativity and innovation, and the potential to achieve international recognition in the Internet of Things (IoT) Research within the next five to ten years. 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 (see Tier 2 Justification). BCIT recognizes the legitimate impact that leaves (e.g., parental leave, leave due to illness, community contributions) can have on a candidate's record of research achievement. These leaves will be taken into careful consideration during the assessment process to avoid any negative impact. The successful candidate will propose an original and innovative research program of high quality which would attract excellent trainees, students and future researchers. Demonstration of successful collaboration with industrial partners is an asset. Canada Research Chairs are subject to review and approval by the CRC Secretariat. Further details on the program can be viewed at www.chairs.gc.ca. The successful candidate will hold a Ph.D. degree in Computer Science, Engineering Science, or a related field, and take a research leadership role in applied Internet of Things (IoT) research within BCIT's Centre for Applied Research and Innovation (CARI). BCIT is the largest Computing and IT education provider in Western Canada. Drawing on faculty from more than 200 technical programs within six BCIT schools, the full-time research staff of our Applied Research groups MAKE+, SMART and NRG, provide a unique environment of multi-disciplinary skills and expertise. BCIT's Centre for Digital Transformation (C4DT) includes support for research in key disciplines such as: Electronics, Communications, Data analytics, Cloud computing and Cybersecurity. BCIT's Centre for Applied Research and Innovation (CARI) has 3,400 m² of lab space, 10 research labs, over $34m in lab equipment, and 45 researchers with expertise in a wide variety of areas and disciplines. For over 30 years, CARI has used these resources to perform applied research for industry, helping companies produce new, commercially relevant technology products and applications. IoT encompasses a broad area of research. Specific research areas of interest could include the impact and implementation of IoT framework in key digital transformation segments such as Smart City, Smart utilities and Transportation, IoT role in Climate change, Environmental monitoring and analysis and IoT's role in sustainability. Other IoT research areas would be considered. Collaborations with other BCIT schools and units allow for access to additional equipment and infrastructure, funded with support from the Canadian Foundation for Innovation (CFI), BC Knowledge Development Fund, Genome BC, Michael Smith Foundation for Health Research, Rick Hansen Foundation, Western Economic Diversification, and a variety of industry partners.
Duties & Responsibilities	**DUTIES & RESPONSIBILITIES:** The successful, energetic, interdisciplinary, and visionary candidate will have established

	international academic and industry connections, as well as expertise in Internet of Things (IoT). The candidate will be able to collaborate effectively with academic colleagues across BCIT, industry, and internationally, and is expected to build bridges within BCIT and globally. The successful candidate will act as a mentor to other BCIT researchers and will also contribute to interdisciplinary academic programming and course development & delivery. BCIT is characterized by a culture of direct interaction with business and industry; a broad and seamless range of educational programming at levels from trades certificates and technology diplomas to undergraduate and graduate degrees; a focus on career-oriented training and education of highly skilled and highly qualified personnel; and a focus on applied research and development which enhances the experience of our faculty and graduates, advances the state-of-practice within industry and the research community, and which aims to increase economic and commercial activity within British Columbia and Canada.
Qualifications	**QUALIFICATIONS:** Please submit a detailed curriculum vitae, a brief description of current research program, accomplishments, and future plans, copies of representative publication, and all required documentation submitted to the application portal as a single pdf document This competition will remain open for a **minimum of 30 days** from the date of posting. Review of applications will commence on **October 1, 2021**. Only those selected for an interview will be contacted. If selected for an interview, candidates will be asked to present original copies of credentials. Nominations are subject to budget approval. Applicants should have fluent written and oral communication skills in English. Vancouver is a coastal seaport city in western Canada, located in the Lower Mainland region of British Columbia. BCIT's main campuses are located on unceded indigenous land of the Coast Salish peoples, including the xʷməθkwəy̓ əm (Musqueam), Skwxwú7mesh (Squamish), and Səl̓ílwətaʔ/Selilwitulh (Tsleil-Waututh). Vancouver is one of the most ethnically and linguistically diverse cities in Canada. We are committed to providing an inclusive and barrier-free work environment, starting with the hiring process. If you need to be accommodated during any phase of the recruitment process, please use the contact information below to request specialized accommodation. All information received in relation to an accommodation will be kept confidential. BCIT provides health and wellness programs and initiatives to support our employees. Additionally, we offer support to employees requesting workplace accommodations. BCIT is also committed to employment equity, diversity and inclusion and this is embedded in our 2019 – 2023 Strategic Plan. One of the cores values at BCIT is we champion diversity of experience, ideas, cultures, and perspectives, fostering a community permeated with equality and inclusivity. For more information, please visit BCIT's [Employment and Educational Equity Policy](#) BCIT welcomes applications from underrepresented groups and the four designated groups: women, Indigenous peoples, persons with disabilities and members of visible minorities. **Please note that all candidates wishing to be considered will need to complete a confidential self-identification form as required by the Government of Canada. This form will be provided at a later date. Please contact Jackie Gruber jackie_gruber@bcit.ca if you have any questions regarding this requirement.** Questions or concerns related to equity and diversity, or requests for accommodations can be directed to: Tanya Buschau tbuschau@bcit.ca Advisor, Respect, Diversity, & Inclusion British Columbia Institute of Technology 3700 Willingdon Avenue, Vancouver, B. C. T 604-432-8538	E tbuschau@bcit.ca
Additional Information	**BENEFITS OF WORKING AT BCIT**: - Being a part of BC's [Top 100](#) Employers, and a member of the [CCDI](#). - A generous Total Compensation [package](#) which includes extended health and dental benefits and a superb [pension](#) plan. - Access to [Professional Development Funds](#) and opportunities for career development. - Increase your knowledge with [Tuition](#) waivers for BCIT courses. - Enjoy discounted access to our fitness facilities (including classes like Yoga and Zumba).

	• Additional [Wellness](#) and Employee Assistance programs.
Salary Range	
Additional Salary Information	Salary prorated based on percentage and term of appointment. Salary based on education, experience and placement criteria as outlined in the Collective Agreement.

Position Details

Posting Category	Applied Research
School/Service Area	Technology Centre-ARLO-Applied Research Liaison Office
Campus Location	Burnaby campus
Bargaining Unit	BCIT Faculty and Staff Association (FSA)
Job Status	Regular
Full-Time/Part-Time	Full-Time
Number of Vacancies	1
Anticipated Start Date	09/06/2021
Anticipated End Date	

Competition Information

Competition Number	21FSA381
Competition Open Date	06/30/2021
Competition Close Date	
Open Until Filled?	Yes
Quicklink for Posting	http://careers.bcit.ca/postings/4392

Supplemental Questions

Required fields are indicated with an asterisk (*).

1. What is the highest level of education attained?

- GED
- High School Diploma
- Certificate
- Diploma
- Associates Degree
- Bachelors Degree
- Masters Degree
- PHD

2. How many years of experience do you have in this type of position?

- 0-1
- 1-2
- 3-5
- 6-9
- 10+

Documents Needed to Apply

Required Documents

1. Resume
2. Cover Letter

Optional Documents