

## Canada Research Chair Tier II in Quantum Hardware Engineering, Schulich School of Engineering

### The Department of Electrical and Software Engineering

a dynamic environment to promote research excellence. The Chairholder will be responsible for teaching, curriculum development, and student/postdoc supervision. The successful candidate will move into a leadership role within the Department, School and the University. A strong commitment to the School, University and community is also expected.

The successful candidate will be an emerging scholar with an original and innovative research program, acknowledged by their peers as having a significant impact on the field. The Tier II Canada Research Chair in Quantum Hardware Engineering is a position that is critical to bridging the gap between industry and academia. The successful candidate will lead breakthroughs in the quantum field and translate them into functional applications for industry and society? Applications from researchers working to address these challenges are encouraged. If you have an interest in one of:

- Quantum Computing
- Quantum Communications
- Quantum Sensing

The University of Calgary is a leader in Quantum research, with established excellence in the Institute for Quantum Science and Technology (IQST) and heading the provincial Quantum Alberta initiative. The University of Calgary has recently formed a strategic partnership with the Government of Alberta, and Mphasis, an information technology solutions provider specializing in cloud and cognitive services to establish Quantum City. The Quantum City initiative will establish quantum-focused fabrication

closely related area. The successful candidate is expected to take steps to register as a Professional Engineer with the Association of Professional Engineers and Geoscientists of Alberta (APEGA).

For appointment at the **Assistant Professor** level, the candidate must demonstrate evidence of a track record of publications dissemination in high-impact venues, such as peer reviewed journal papers or top-ranked conferences, prior experience in working with external research funding programs, and effectiveness in teaching and graduate student supervision at the University level.

For appointment at the **Associate Professor** level, the candidate must demonstrate evidence of a strong track record of publications dissemination in high-impact venues, such as peer reviewed journal papers or top-ranked conferences, securing sustained external competitive research funding, effectiveness in teaching at the University level, and evidence of effective graduate student supervision.

In accordance with the regulations set for Tier II CRC ChEMC /P /MCI5 (o)hirdancrrv-1.5 (e) -3.5 (h1.7 (a)-e-5.5 (f)v-1.5 (e)

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- Statement of research interests, accomplishments and vision (maximum 3 pages)
- Statement of teaching philosophy (maximum 2 pages)
- Statement on equity, diversity and inclusion (maximum 2 pages)

Questions may be addressed to:

Dr Andy Knight

Head, Department of Electrical and Software Engineering

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**Applications are accepted until February 15, 2023**

The University of Calgary has launched an institution-wide [Indigenous Strategy](#) in line with the foundational goals of [Eyes High](#), committing to creating a rich, vibrant, and culturally competent campus that welcomes and supports Indigenous Peoples, encourages Indigenous community partnerships, is inclusive of Indigenous perspectives in all that we do.

*As an equitable and inclusive employer, the University of Calgary recognizes that a diverse staff/faculty benefits and enriches the work, learning and research experiences of the entire campus and greater community. We are committed to removing barriers that have been historically encountered by some people in our society. We strive to recruit individuals who will further enhance our diversity and will support their academic and professional success while they are here. In particular, we encourage members of the designated groups (women, Indigenous peoples, persons with disabilities, members of visible/racialized minorities, and diverse sexual orientation and gender identities) to apply. To ensure a fair and equitable assessment, we offer accommodation at any stage during the recruitment process to applicants with disabilities. Questions regarding [diversity] EDI at UCalgary can be sent to the [Office of Equity, Diversity and Inclusion](#) ([equity@ucalgary.ca](mailto:equity@ucalgary.ca)) and requests for accommodations can be sent to Human Resources ([hrhire@ucalgary.ca](mailto:hrhire@ucalgary.ca)).*

*All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. In this connection, at the time of your application, please answer the following question: Are you a Canadian citizen or a permanent resident of Canada? (Yes/No)*

The University of Calgary recognizes that candidates have varying career paths and that career interruptions can be part of an excellent career path.

traditional Blackfoot name of this place is “Mohkinstsis”, which we now call the City of Calgary. Calgary is home for the traditional territories of the Blackfoot and the people of the Treaty 7 region in Southern Alberta and the Meētis Nation of Alberta, Region III.

The University of Calgary is Canada’s leading next-generation university – a living, growing and youthful institution that embraces change and oppo Td(- (e)-*Œ* ,n ag(ad)2.49y)-54 (w)-4.3 (ej(o)-40.0029 (2de9 (2de9dc -02r)-2ai)-