Assistant Professor
University of Calgary

Job Title	Assistant Professor
Department	Chemical and Petroleum Engineering
Institution	University of Calgary
	Calgary, Alberta
Date Posted	Feb. 20, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor
Academic Field(s)	Engineering - Other
Job Website	https://careers.ucalgary.ca/jobs/13963195-assistant-professor-in-the-area-of-quantum-materials
Apply By Email	
Job Description	

The Schulich School of Engineering at the University of Calgary is pleased to invite applications for a **tenure-track faculty position at the rank of Assistant Professor** in the area of Quantum Materials. The anticipated start date is **July 1, 2024**, or a mutually agreed upon date.

We are seeking an emerging scholar who will establish and lead an original and innovative research program related to the design, characterization, synthesis, modeling and/or application of tailored quantum materials. The successful candidate will attract competitive external funding to support their research activities, attract excellent trainees, and develop them into independent researchers. The successful candidate will also work within highly collaborative, interdisciplinary and transdisciplinary research teams involving academic and industry partners.

The successful applicant will support positive student learning outcomes and experiences. They will

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develop and teach a range of undergraduate and graduate courses on topics related to one or more of the engineering disciplines within the Schulich School of Engineering. Furthermore, they will actively contribute to curriculum development, graduate student supervision and mentoring, and will provide service in support of their Department(s), School, University, and Profession.

As a member of the University of Calgary community, the successful applicant will support and contribute to equity, diversity, inclusion and accessibility. They will also strive to create and maintain a positive work and learning environment, and will support and contribute to the strategic academic and research priorities of the University of Calgary and the Schulich School of Engineering.

POSITION REQUIREMENTS

To be eligible for consideration, applicants must have earned a doctoral degree in Engineering, Science, or a closely related discipline relevant to Quantum Materials by the date of their appointment.

The successful candidate must demonstrate:

- a track record of high-quality research and high-quality journal publications,
- the potential to establish a strong, externally funded research program,
- the potential to attract, and provide a high-quality training experience to trainees, including undergraduate, graduate and postdoctoral scholars,
- the potential to establish international recognition within 5 years of their appointment,
- an ability to effectively develop and teach undergraduate and graduate courses
- strong oral and written English communication skills,
- alignment with (i) Ahead of Tomorrow (https://ucalgary.ca/about/ahead-of-tomorrow), the strategic plan of the University of Calgary, (ii) Schulich Momentum (https://schulich.ucalgary.ca/about/schulich-momentum), the strategic plan of the Schulich School of Engineering, and (iii) University of Calgary's Quantum City Initiative (https://research.ucalgary.ca/quantum-city),
- A commitment to Equity, Diversity, Inclusion and Accessibility in Engineering.

The successful candidate is expected to register, or become eligible for registration, as a Professional Engineer with the Association of Professional Engineers and Geoscientists of Alberta (APEGA; https://www.apega.ca/). Candidates who have questions about this expectation are encouraged to contact the Chair of the Academic Search Committee (see below) for further information.

HOW TO APPLY

Interested individuals are encouraged to submit an application online via the 'Apply Now' link. Your

application should be organized to contain the following six items in **a single pdf document**:

- A Cover Letter. The letter should include a statement of research interests and accomplishments, and your research vision for the position. Your vision should demonstrate alignment with the research priorities of the University of Calgary and the Schulich School of Engineering, and University of Calgary's Quantum City Initiative.
- A Curriculum Vitae with a full list of publications.
- A research proposal describing projects you will undertake in this position, including methodologies you will use, and the impact of the projected outcomes of this work (not to exceed three pages). In the proposal, candidates should discuss the type of equipment or facilities they will require to successfully conduct their described research.
- A statement of teaching philosophy promoting student learning and success (not to exceed two pages). This can include information on teaching experience, training, and mentoring inside and outside the classroom at the undergraduate, graduate, and postdoctoral levels.
- A statement on how you will contribute to creating and maintaining positive work and learning environments (not to exceed two pages). Discuss your perspectives on equity, diversity, inclusion and accessibility (EDIA), and how you plan to promote EDIA both at the University and within your profession.
- The names and contact information for three referees

Applications may be addressed to:

Dr. Arin Sen
Chair of the Academic Selection Committee
asen@ucalgary.ca

The application deadline is March 15, 2024.

The University of Calgary has launched an institution-wide Indigenous Strategy 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) and requests for accommodations can be sent to Human Resources (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 academic record. Candidates are encouraged but not required to provide any relevant information about their experience and/or career interruptions to allow for a fair assessment of their application. Selection committees have been instructed to give careful consideration to, and be sensitive to, the impact of career interruptions, when assessing the candidate's research productivity.

Additional Information

For a listing of all academic opportunities at the University of Calgary, view our **Academic Careers website**. For more information about the Schulich School of Engineering, visit schulich.ucalgary.ca/

About the Schulich School of Engineering

The Schulich School of Engineering, founded in 1965, is home to six engineering departments, nearly 200 faculty members, over 4000 undergraduate students, and more than 2000 graduate students. Guided by its strategic plan Schulich Momentum, the school continues to pursue its vision of recognition for enhancing its global research impact and driving innovation, for expanding access to and inclusivity in engineering, for contributions towards Truth and Reconciliation, and for enriching student success and experience.

About the University of Calgary

The University of Calgary is situated on land adjacent to where the Bow River meets the Elbow River; the 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 Me¿tis Nation of Alberta, Region III.

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.

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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 infrastructure, new talent development programs and commercialization pathways to support the development of a vibrant economic and scientific hub based in Calgary.

The University of Calgary is Canada's leading next-generation university – a living, growing and youthful institution that embraces change and opportunity with a can-do attitude. Located in the nation's most enterprising city, the university is making tremendous progress on its Eyes High journey to become one of Canada's top five research universities, grounded in innovative learning and teaching and fully integrated with the community it both serves and leads. Ranked as the top young university in Canada and North America, the University of Calgary inspires and supports discovery, creativity and innovation across all disciplines. For more information, visit ucalgary.ca.

About Calgary, Alberta

Ranked the 5th most livable city in the world, Calgary is one of the world's cleanest cities and one of the best cities in Canada to raise a family. Calgary is a city of leaders - in business, community, philanthropy and volunteerism. Calgarians benefit from a growing number of world-class dining and cultural events and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the majestic Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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Canada