



Department of Physics & Engineering Physics
Assistant Professor
Tenure track in Space Physics

Applications are invited from qualified individuals for a full-time tenure-track faculty position in Space Physics at the rank of Assistant Professor in the Department of Physics and Engineering Physics.

The University of Saskatchewan's main campus is situated on Treaty 6 Territory and the Homeland of the Métis. The University of Saskatchewan is located in Saskatoon, Saskatchewan, a city with a diverse and thriving economic base, a vibrant arts community and a full range of leisure opportunities. The University has a reputation for excellence in teaching, research and scholarly activities and offers a full range of undergraduate, graduate, and professional programs to a student population of over 26,000.

The successful candidate must hold an earned Ph. D. We are seeking candidates who demonstrate promise for excellence in research, teaching, graduate student supervision, securing competitive external research funding, and engaging in professional service and outreach. Candidates should have demonstrated expertise in space radar research using SuperDARN (Super Dual Auroral Radar Network) and show potential for leadership within the collaboration.

Our Department leads the Canadian SuperDARN operation and chairs the international ten-nation SuperDARN collaboration. [SuperDARN Canada](#) operations are supported by the [CFI MSI \(Major Science Initiatives\) program](#), making SuperDARN Canada a national research facility. SuperDARN Canada is also supported by the Canadian Space Agency and Innovation Saskatchewan. SuperDARN enables theoretical and experimental research, as well as produces a rich dataset covering three solar cycles obtained by combining data from all SuperDARN partners. The University of Saskatchewan is a founding partner in the SuperDARN collaboration, dating back to the early 1990s. The SuperDARN Canada research and engineering team is involved in system-level space science, ionospheric physics research, and leading-edge radar engineering design. In addition to its research activities, SuperDARN Canada supports important experiential learning opportunities at the facility, including engineering capstone designs and student internships.

The [Institute of Space and Atmospheric Science](#) (ISAS), with its seven Physics & Engineering Physics faculty members, is the largest and most comprehensive Solar-Terrestrial Physics and Atmospheric Science Institute in Canada. Three space physics faculty in ISAS currently focus on magnetospheric and ionospheric remote sensing with radars, providing direct collaborative opportunities for the successful candidate. Collaborations with researchers specializing in lower layers of the atmosphere are possible here. Other collaborative opportunities exist through the University of Saskatchewan's membership in the University Corporation for Atmospheric Research (UCAR), within the [Global Institute for Water Security](#), and the [School for Environment and Sustainability](#).

The [Department of Physics and Engineering Physics](#) is a diverse department of currently 22 faculty members (including one Fellow of Royal Society Canada, one Canada Research Chair, one Centennial Enhancement Chair and 10 professional engineers), and over 60 graduate students. The department has experimental and theoretical research strengths in Space and Atmospheric Studies, Plasma Physics, Condensed Matter Physics, Material Science, and Subatomic Physics. The department is responsible for undergraduate programs in Physics (B.Sc.), an accredited Engineering Physics program (B.E.), supports an interdisciplinary program in Mathematical Physics (B.Sc.), and offers thesis-based M.Sc. and Ph.D. graduate programs in Physics. Holding P.Eng. licensure or eligibility to apply for licensure is an asset for a candidate.

The [College of Arts & Science](#) offers a dynamic combination of programs in the sciences, social sciences, humanities, and fine arts. The college has over 10,000 students and 300 faculty, including 10 Canada Research Chairs. It emphasizes student and faculty research, interdisciplinary programs, community outreach, and international opportunities. For more information on the College of Arts and Science, see <https://artsandscience.usask.ca/>.

We encourage individuals from equity-deserving groups, including women, members of racialized minorities, Indigenous persons, and persons with disabilities, to apply. Applications from Indigenous persons and women are especially encouraged. The Department of Physics and Engineering Physics is committed to excellence in research and recognizes that equity, diversity, and inclusion(EDI) are fundamental to this goal. Recruitment will be guided by the strong commitment of the University of Saskatchewan, the College of Arts and Science, and the Department of Physics and Engineering Physics to EDI.

The salary bands at the University of Saskatchewan for the 2025-2026 academic year are,

Assistant Professor: \$110,489 to \$131,909; Associate Professor: \$131,909 to \$153,329; Professor \$153,329 to \$178,319

In addition to regular salary increases, faculty may be awarded special increases for meritorious work. This position is anticipated to be at the Assistant Professor level.

This position includes a comprehensive benefits package which includes a dental, health and extended vision care plan; pension plan, life insurance (compulsory and voluntary), academic long term disability, sick leave, travel insurance, death benefits, an employee assistance program, a professional expense allowance, and a flexible health and wellness spending program.

Interested candidates must submit, via email, a cover letter; detailed curriculum vitae; a description of proposed research, a teaching dossier, and the contact information for three referees to:

Yansun Yao, Acting Department Head
116 Science Place
University of Saskatchewan
Saskatoon, SK S7N 5E2
Telephone: (306) 966-6430
Email: phys_engphys@usask.ca
cc: yansun.yao@usask.ca

Due to federal immigration requirements, we also ask candidates to indicate whether they are Canadian citizens, permanent residents, or are otherwise already authorized to work at this position for the duration of the appointment, with an explanation if this last category is indicated.

Review of applications will begin January 7, 2025; however, applications will be accepted and evaluated until the position is filled. The anticipated start date is July 1, 2025.

The University is committed to employment equity, diversity, and inclusion, and are proud to support career opportunities for Indigenous peoples to reflect the community we serve. We are dedicated to recruiting individuals who will enrich our work and learning environments. All qualified candidates are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadian citizens and permanent residents will be given priority. We are committed to providing accommodations to those with a disability or medical necessity. If you require an accommodation to participate in the recruitment process, please notify us and we will work together on the accommodation request. We continue to grow our partnerships with Indigenous communities across the province, nationally, and internationally and value the unique perspective that Indigenous employees provide to strengthening these relationships. Verification of Indigenous Membership/Citizenship at the University of Saskatchewan is led and determined by the **deybwewin | taapwaywin | tapwewin: Indigenous Truth policy** and Standing Committee in accordance with the processes developed to enact the policy. **Successful candidates that assert Indigenous membership/citizenship will be asked to complete the verification process of Indigenous membership/citizenship with documentation.** The University of Saskatchewan's main campus is situated on Treaty 6 Territory and the Homeland of the Métis. We pay our respects to the First Nations and Métis ancestors of this place and reaffirm our relationship with one another. Together, we are uplifting Indigenization to a place of prominence at the University of Saskatchewan.