



The University of Saskatchewan values diversity, and Aboriginal engagement is a strategic priority.

Tenure Track Member, Experimental Plasma Physics

The Department of Physics and Engineering Physics, University of Saskatchewan, invites applications for a tenure-track faculty position in Experimental Plasma Physics at the rank of Assistant Professor or Associate Professor commencing 1 July 2017. Appointment at the Associate Professor level will only be considered in our preferred area described below.

The candidate would conduct experimental plasma physics research in the Plasma Physics Laboratory, joining two experimental and one theoretical faculty. The Plasma Physics Laboratory includes a comparatively large suite of devices including a tokamak (STOR-M), a compact torus injector, a dense plasma focus device, and several low-temperature plasma devices for plasma based materials synthesis and modification. The candidate thus has an exciting opportunity to develop a flexible and adaptable research program in the Plasma Physics Laboratory.

The candidate is expected to develop a vigorous externally-funded research program. The candidate will participate in teaching at both undergraduate and graduate levels. Applicants should demonstrate promise for excellence in teaching, graduate student supervision, and potential for securing competitive external research funding. Applicants must have a Ph.D. and post-doctoral experience in a relevant field with an established record of research excellence.

Research in fusion energy and related applications is an area of interest of the [Sylvia Fedoruk Canadian Centre for Nuclear Innovation](#) a unique research support organization located at the University of Saskatchewan that is committed to building Saskatchewan's nuclear expertise and innovation capacity. The Department of Physics & Engineering Physics, Fedoruk Centre, and several other partners are leading the [Fusion 2030 initiative](#) to revitalize fusion energy research in Canada. The successful candidate will have a unique and exciting opportunity to play a major role in proposals for an expanded fusion energy program within the Fusion 2030 initiative. The [Fusion 2030 proposal](#) has been submitted to the Government of Canada's consultations on [Canada's Innovation Agenda](#) and [review of fundamental science research](#). Home to the only operating tokamak in Canada, the University of Saskatchewan is well-positioned to be a centre

of excellence in magnetic confinement within a national fusion research network. Our preferred candidate will have a demonstrated ability to play a leading role in the magnetic confinement theme of the Fusion 2030 initiative.

The [Department of Physics and Engineering Physics](#) is a diverse department of currently 19 faculty members (including 3 Canada Research Chairs and 9 professional engineers), and over 60 graduate students. The department has experimental and theoretical research strengths in Plasma Physics, Space and Atmospheric Studies, 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 & Engineering Physics.

The [College of Arts & Science](#) offers a dynamic combination of programs in the sciences, social sciences, humanities, and fine arts. There are over 10,000 students in the College and 295 faculty, including 12 Canada Research Chairs. The College emphasizes student and faculty research, interdisciplinary programs, community outreach and international opportunities.

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 23,000. The university is one of Canada's leading research-intensive universities.

Salary Bands (July 1, 2016 – June 30, 2017):

- Professor: \$130,925 (floor) to \$152,877 (CDI ceiling)
- Associate Professor: \$112,109 (floor) to \$130,925 (CDI ceiling)
- Assistant Professor: \$93,293 (floor) to \$112,109 (CDI ceiling)

Benefits: This position comes with a comprehensive benefits package which includes pension plan, life insurance (compulsory and voluntary), sick leave, travel insurance, death benefit, dental plan, extended health and vision care plan, professional allowance, employee assistance program and flexible health and wellness spending program.

Application packages consisting of a cover letter, a curriculum vitae, a description of proposed research, and teaching dossier should be sent electronically to:

Dr. T. Steele, Professor and Head
Email: tom.steele@usask.ca
Department of Physics and Engineering Physics
College of Arts & Science
University of Saskatchewan

Application deadline: The search committee will begin reviewing applications immediately and will continue until the position is filled.

The University of Saskatchewan is strongly committed to a diverse and inclusive workplace that empowers all employees to reach their full potential. All members of the university community share a responsibility for developing and maintaining an environment in which differences are valued and inclusiveness is practiced. The university welcomes applications from those who will contribute to the diversity of our community. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

