



Tier 2 Canada Research Chair in Experimental Particle Physics

Simon Fraser University

The Department of Physics at Simon Fraser University invites applications for a Tier 2 Canada Research Chair (CRC) in Experimental Particle Physics. This is an appointment at the Assistant or Associate Professor level. We are seeking a candidate to join the current particle physics program and to help shape the future activities of the SFU group. SFU physicists have taken prominent roles in ATLAS physics analysis, advanced analysis tools, calibration of physics objects, computing and detector instrumentation. An important requirement for this position is leadership in physics analysis, which is the ultimate goal of all the activities of the group.

The leading roles played by SFU in WestGrid and Compute Canada were motivated by SFU's involvement in ATLAS computing and data handling. SFU is also the lead institute for the ATLAS-Canada Tier-1 Data Centre, which is a central hub in the Worldwide LHC Computing Grid (WLCG). The Tier-1 has been housed at TRIUMF since 2003 and has moved to SFU in 2017/18. The successful candidate will take over the position of project leader for the Tier-1 centre. While the technical operation of the centre is handled by the Tier-1 staff, the project leader is responsible for the overall management of the centre, future planning, funding, and the interaction with ATLAS computing. Therefore, very good knowledge of high-performance computing, including the Grid architecture used by ATLAS for large-scale distributed computing would be an asset. SFU is also playing a leading role in building the next generation of ATLAS detectors, which includes ATLAS ITk strip-detector module fabrication at SFU 4D labs and TRIUMF. There will be an opportunity to work on these upgrades if the candidate is interested.

This position is contingent upon the applicant receiving a Tier 2 Canada Research Chair; applicants are encouraged to review the initial appointment and chair renewal details of the [CRC Program](#). Tier 2 Chairs are intended for exceptional emerging scholars (i.e. candidate must have been an active researcher in their field for fewer than 10 years at the time of nomination). Applicants who are more than 10 years from their highest degree (and where career breaks exist, including maternity leave, extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Canada Research Chair assessed through the program's Tier 2 justification process; please see [CRC website for eligibility details](#) or contact the office for [Institutional Strategic Awards](#). This CRC Chair is tenable for five years and is renewable once, however, this is an SFU tenure-track position. The position is subject to final approval by the University Board of Governors and CRC Secretariat.

Applicants should submit a full curriculum vitae with details of research, teaching and HQP training, scholarly record, funding and collaborations, and a 1-2 page research proposal. In addition, applicants should arrange for three letters of recommendation to be supplied in confidence.

Address applications and reference letters to:

Dr. Jeff Sonier, Chair, Department of Physics, submitting via an online [application form](#).

SFU recognizes that alternative career paths and/or career interruptions can impact research achievements; candidates are encouraged to highlight how alternative paths and/or interruptions have impacted them in their application. SFU also recognizes the value of mentoring, professional service, and nontraditional areas of research and/or research outputs; demonstrated experience in increasing diversity at the previous institutional environment is also an asset. SFU also offers several benefits and services aimed at creating a more inclusive and accessible campus community for faculty; please see the [Faculty Relations, Benefits and Services page](#) for more details.

SFU is an institution whose strength is based on our shared commitments to diversity, equity, and inclusion. Diversity is an underlying principle of our Strategic Vision, which pledges SFU to “foster a culture of inclusion and mutual respect, celebrating the diversity reflected among its students, faculty, staff, and our community.” SFU is committed to ensuring that no individual is denied access to employment opportunities for reasons unrelated to ability or qualifications. Consistent with this principle, SFU will advance the interests of underrepresented members of the work force, specifically Indigenous peoples, persons with disabilities, visible minorities, and women; embrace gender and sexual diversity; ensure that equal opportunity is afforded to all who seek employment at the University; and treat all employees equitably. Thus, candidates that belong to underrepresented groups in Physics are particularly welcome to apply.

SFU offers several benefits and services aimed at creating a more inclusive and accessible campus community for faculty, please see the [Faculty Relations, Benefits and Service page](#) for more details. For questions regarding the CRC nomination process and SFU’s commitment to ensuring an open, fair, and transparent process please contact Catherine Stoddard, Director of Equity, Diversity and Inclusion at catherine_stoddard@sfu.ca.

This competition will remain open until the position is filled. Review of applications will commence on October 15, 2018. Any inquiries may be directed to Stephen Flach at physcsec@sfu.ca

Under the authority of the University Act, personal information that is required by the University for an Academic Appointment Competition will be collected. For further details, see the [Collection Notice](#).