The Department of Physics in the Faculty of Arts and Science at the University of Toronto, St. George Campus invites applications for a full-time tenure stream position in the area of Theoretical and Computational Large-Scale Ocean Dynamics and Climate. This appointment will be at the rank of Assistant Professor, and will commence on July 1, 2019.

Applicants must have completed a Ph.D. degree in Physics or a related field by the date of appointment or shortly thereafter, with a demonstrated record of excellence in both research and teaching. We seek candidates who study the global ocean circulation, and whose research and teaching interests complement and strengthen our existing departmental strengths http://www.physics.utoronto.ca/. In particular, we are seeking to develop expertise in fundamental ocean dynamics to complement our existing strength in understanding the atmosphere's role in regulating the carbon cycle and the climate.

The successful candidate will be expected to mount an independent, innovative, competitive, and externally funded research program. Ideally, the candidate will use ocean general circulation models and observational analysis to lead advances in the physical theory of the global ocean circulation, the carbon cycle, and ocean-atmosphere-climatic interactions.

The Department of Physics and the university as a whole have a long history of pioneering computational science, and have extensive computational resources. We expect the candidate to take advantage of these resources and to develop a program involving advanced oceanographic research computing. Topics include, but are not limited to, basic studies of dynamical and/or biogeochemical processes operating within the ocean circulation and/or regulating air-sea exchanges of heat, gases, or other tracers.

Candidates must provide evidence of research excellence as demonstrated by publications in highly-ranked and field-relevant academic journals, indicative of a developing research program that is at a high international level, the submitted research statement, presentations at significant conferences, awards, and accolades, and strong letters of endorsement from referees of high international standing.

Evidence of excellence in teaching will be demonstrated through teaching

accomplishments, strong letters of reference and the teaching dossier and statement of teaching philosophy submitted as part of the application. This evidence can include performance as a teaching assistant, experience leading successful workshops or seminars, student mentorship, or excellent conference presentations or posters.

Salary will be commensurate with qualifications and experience.

The successful candidate will complement and have the opportunity to collaborate with the Department's vibrant Earth, Atmospheric and Planetary Physics group (https://www.physics.utoronto.ca/research/eapp). The research setting at the University of Toronto is further enriched by the existence of the University-wide Centre for Global Change Science as well as the School of the Environment. Computational facilities include SciNet, the most powerful university-based advanced research computing facility in Canada. For more information about the Department of Physics, please visit us at http://www.physics.utoronto.ca/.

All qualified candidates are invited to apply by clicking the 'apply online' link below.

https://utoronto.taleo.net/careersection/10050/jobdetail.ftl?job=415801

Applicants must submit a cover letter, a current curriculum vitae, a statement outlining current and future research interests, and a teaching dossier to include a teaching statement that describes teaching philosophy and teaching experience, and evidence of excellent performance in teaching related activities as listed above.

In addition, applicants must arrange to have at least three letters of reference (on letterhead and signed) sent directly by the referee to the Department Chair, Michael Luke, via email to jobs@physics.utoronto.ca, by the closing date.

Review of applications will begin on January 31, 2019, and applicants should endeavor to have all materials submitted by then, however applications will be accepted until the position is filled.

Submission guidelines can be found at: http://uoft.me/how-to-apply. We

recommend combining documents into one or two files in PDF/MS Word format. If you have questions about this position, please contact chairsec@physics.utoronto.ca.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons/persons of colour, women, Indigenous/Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see http://uoft.me/UP.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.