



Physics
UNIVERSITY OF TORONTO

Assistant Professor – Space-based and Suborbital Experimental Atmospheric Physics

The Department of Physics in the Faculty of Arts & Science at the University of Toronto invites applications for a full-time tenure stream position in the area of Space-based and Suborbital Experimental Atmospheric Physics. The appointment will be at the rank of Assistant Professor, with an anticipated start date of July 1, 2026.

Applicants must have earned a PhD degree in Physics or a related field by the time of appointment, or shortly thereafter, with a demonstrated record of excellence in both research in Experimental Atmospheric Physics and teaching in Physics.

We seek candidates with the ability to build a strong independent research program in remote sensing of aerosols, water vapour, clouds, pollutants and related atmospheric constituents using satellite and/or sub-orbital platforms. This position is envisioned as building institutional and national capacity for two related Canadian initiatives: First, Canada's \$200M investment in the Canadian Space Agency's High-altitude Aerosols, Water Vapour and Clouds Mission ([HAWC](#)), which the University of Toronto co-leads along with three other universities and a consortium of eleven academic and three federal partners. Second, complementing HAWC is the Medium- to Long-Range Aircraft Platform for Environmental Research ([MAPLE](#)), for which the National Research Council of Canada recently received significant funding. While applicants are not required to have prior experience with these missions, we would encourage applicants to consider how they might engage in these exciting developments in Canada's remote sensing activities. In addition, showing potential to build research and teaching linkages with other research groups in the Department of Physics will strengthen candidates' applications (see <https://www.physics.utoronto.ca/research>).

The successful candidate will be expected to pursue independent and innovative research, and to establish an outstanding, internationally competitive, and externally funded research program; to actively engage in undergraduate and graduate teaching; and to contribute to the enrichment of undergraduate and graduate programs.

Candidates must provide evidence of research excellence, indicative of a developing research program, as demonstrated by a record of publications top-ranked and field-

relevant academic journals or forthcoming publications meeting high international standards, a forward-looking research statement, awards and accolades, and strong endorsements from referees.

Evidence of excellence in teaching will be demonstrated through accomplishments described in the teaching dossier, including a statement of teaching philosophy, sample course materials, and teaching evaluations or evidence of superior performance in teaching-related activities submitted with the application, along with strong letters of reference. Other teaching-related activities may include experience as a teaching assistant, experience in curriculum development, participation in delivering successful workshops or seminars, student mentorship, or publications and/or presentations related to pedagogical innovation.

Salary will be commensurate with qualifications and experience.

The successful candidate will have disciplinary interests that would form natural collaborative connections to work in Arctic science, environmental science, engineering, and solar-system and exo-solar planetary atmospheres going on within the Earth, Atmospheric, and Planetary Physics Group and across the three campuses of the University. The research setting of this program 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 facility in Canada.

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

<https://jobs.utoronto.ca/job/Toronto-Assistant-Professor-Space-based-and-Suborbital-Experimental-Atmospheric-Physics-ON/595213017/>

All qualified candidates must submit a cover letter; a current curriculum vitae; a research statement outlining current and future research interests; two recent research publications or forthcoming publications; and a teaching dossier to include a teaching statement that describes teaching philosophy and teaching experience, sample course materials, and teaching evaluations or evidence of superior performance in relevant teaching-related activities as listed above.

Equity, diversity and inclusion are essential to academic excellence as articulated in University of Toronto's [Statement on Equity, Diversity and Excellence](#). We seek candidates who share these values and who demonstrate throughout the application materials their commitment and efforts to advance equity, diversity, inclusion, and the promotion of a respectful and collegial learning and working environment.

Applicants must provide the name and contact information of three references. The University of Toronto's recruiting tool will automatically solicit and collect letters of reference from each referee within 48 hours after an application is submitted. Applicants remain responsible for ensuring that referees submit recent letters (on letterhead, dated and signed) by the closing date. More details on the automatic reference letter collection, including timelines, are available in the [candidate FAQ](#).

Submission guidelines can be found at <http://uoft.me/how-to-apply>. Your CV and cover letter should be uploaded into the dedicated fields. Please combine additional application materials into one or two files in PDF format. If you have questions about this position, please contact Ms. Harim Ulfing at physics.chairea@utoronto.ca.

All application materials, including recent reference letters, must be received by the closing date of November 3, 2025.

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

Diversity Statement

The University of Toronto embraces Diversity and is building a culture of belonging that increases our capacity to effectively address and serve the interests of our global community. We strongly encourage applications from Indigenous Peoples, Black and racialized persons, women, persons with disabilities, and people of diverse sexual and gender identities. We value applicants who have demonstrated a commitment to equity, diversity and inclusion and recognize that diverse perspectives, experiences, and expertise are essential to strengthening our academic mission.

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>.

Accessibility Statement

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission.

The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and

selection processes as accessible as possible and provide accommodations as required for applicants with disabilities.

If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca.