



# Western Science

The Department of Physics & Astronomy in the Faculty of Science at Western University is pleased to announce a search for a full-time faculty position in a research area related to atmospheric physics. The successful applicant will receive a probationary (tenure-track) appointment at the rank of Assistant Professor or Associate Professor, or a tenured appointment at the rank of Associate Professor. The rank and salary will be commensurate with the successful applicant's qualifications and experience. The anticipated start date will be July 1, 2024.

The successful candidate will have research expertise in theoretical, computational or experimental atmospheric physics. It will be to the applicant's advantage to show a strong connection with existing initiatives at Western. Current research-related expertise in the department includes modelling and computation of nonlinear wave phenomena, regional climate modelling, mesoscale dynamics, boundary layer meteorology, air quality, ozone, and both passive and active remote sensing as well as *in situ* measurements such as infrasonics. Current initiatives include programs such as the [Northern Tornadoes Project](#), [Northern Hail Project](#), [Canadian Micro-Pulse Lidar Network](#) (MPLCAN), the WindEEE Research Institute, the [High-altitude Aerosols, Water vapour and Clouds \(HAWC\)](#) satellite mission, the Canadian Network for the Detection of Atmospheric Change's (CANDAC) Polar Environment Atmospheric Research Laboratory (PEARL), and Earth observation and space-based research in collaboration with [Western Space](#).

Western recognizes that our commitment to equity, diversity and inclusion is central to the University's mandate as a research-intensive institution of higher learning. As a community leader we understand that our commitment to equity, diversity, inclusion, and decolonization are mutually supporting and contribute to our pursuit of research excellence. The University seeks qualified candidates who share our commitment to equity and inclusion, who will contribute to the diversification of ideas and perspectives, and especially welcomes applications from First Nations, Métis and Inuit peoples, members of racialized communities ("visible minorities"), persons with disabilities, women, and persons who identify as 2SLGBTQ+. Candidates are also expected to show evidence of a commitment to equity, diversity, inclusion, and the promotion of a respectful and collegial learning and working environment demonstrated through the application materials.

Applicants must possess a PhD in Physics or a closely related area. They will have an outstanding record of research in the form of publications in high-impact, peer-reviewed journals, awards, invited talks and other scholarly achievements, as appropriate for their career path and stage. Evidence of research impact and an emerging international research reputation will be considered strong assets, as will the ability to attract external research funding.

The successful candidate will be expected to contribute to teaching and research supervision at the undergraduate and graduate levels, and be able to teach broadly across the undergraduate curriculum of the Department. Demonstration of and/or potential for effectiveness in teaching and mentorship is important and includes plans to involve trainees in research and other high-impact learning experiences.

The successful candidate will be expected to engage in service to the University and the profession. Effective communication and interpersonal skills, as well as evidence of leadership potential, will be considered assets.

With annual research funding exceeding \$270 million, and an international reputation for success, Western ranks as one of Canada's top research-intensive universities. Our research excellence expands knowledge and drives discovery with real-world applications. Western also provides an exceptional employment experience, offering competitive salaries, a wide range of employment opportunities and one of Canada's most beautiful campuses.

The Department of Physics and Astronomy is a research-intensive department in Western's Faculty of Science and has expertise in both theoretical and experimental astronomy and physics. The Department is responsible for undergraduate and graduate programs in physics and astronomy and for service mathematics instruction for engineers. The Department is home to 35 full-time faculty members, with most engaged in externally funded research.

A complete application consists of:

- Cover letter addressing how the candidate's expertise fits this position and complements existing strengths at Western
- Curriculum vitae including publication list
- A research statement, (3 pages or less) describing your research plans for the next 3-5 years, highlighting how you will fit with existing programs at Western
- Statement on teaching and mentoring philosophy or experience, including fit in Department courses. Include a description of plans to involve trainees in research and other high-impact learning experiences (2 pages or less).
- Statement of experience and plans for advancing equity, diversity and inclusion in post-secondary education, community-based or other professional settings in physics and astronomy (2 pages or less).
- Contact information for 3 letters of reference. Letter-writers will not be contacted until the shortlist stage of the search.
- Completed application form, available at <https://www.uwo.ca/facultyrelations/pdf/full-time-application-form.pdf>

Western recognizes the potential impact that career interruptions can have on a candidate's record of research achievement and potential candidates are encouraged to explain within their application the impact that career interruptions have had and to submit a full career or extended CV.

The application package can be submitted via email in a single PDF file to:

Dr. Robert Sica, Search Committee Chair  
Department of Physics & Astronomy, Western University  
London Ontario, Canada  
E-mail: [p-a.search@uwo.ca](mailto:p-a.search@uwo.ca)

Consideration of applications will begin on November 1, 2023 and will continue until the position is filled.

*Positions are subject to budget approval. Applicants should have fluent written and oral communication skills in English. The University invites applications from all qualified individuals. In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents.*

*Accommodations are available for applicants with disabilities throughout the recruitment process. If you require accommodations for interviews or other meetings, please contact Emily Adams at [eadams29@uwo.ca](mailto:eadams29@uwo.ca)*

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