

Posting Date: April 14, 2021

DEPARTMENT OF PHYSICS
University of Toronto
JOB POSTING – POSTDOCTORAL FELLOW

Area of Research: Atmospheric and environmental physics

Description of duties:

In this Canadian Space Agency-funded project, the successful candidate will combine satellite measurements and a high-resolution model over Canada to address two main questions about Canadian air quality and greenhouse gas emissions: 1. How well can satellite measurements of carbon monoxide (CO) constrain Boreal forest fire emissions and improve the current state-of-the-art Boreal fire emissions models? and 2. How well can satellite measurements of methane (CH₄) reduce uncertainty on Canada's anthropogenic methane emissions?

Salary: \$55,000/year plus benefits

Required qualifications:

The candidate must have completed a PhD or be scheduled to complete their PhD before the end of August 2021. Expertise is required in one or more of the following areas: atmospheric physics or chemistry, environmental science and engineering, or biogeochemistry. Experience working with and interpreting large atmospheric datasets is required, and experience running an atmospheric model (e.g., GEOS-Chem) is strongly desirable. Applicants should have demonstrated quantitative and computational skills, and a successful publication record.

Application instructions

All individuals interested in this position must submit a CV, names and contact information of three references, and a cover letter detailing current and future research interests to Prof. Debra Wunch (dwunch@atmosph.physics.utoronto.ca) by the closing date.

Closing date: Applications will be evaluated beginning May 21 and will be accepted until the position is filled.

Supervisor: Debra Wunch

Expected start date: September 1, 2021 (flexible)

Term: 1 year, renewable for up to 2 additional years

FTE: 1.0

The normal hours of work are 40 hours per week for a full-time postdoctoral fellow (pro-rated for those holding a partial appointment) recognizing that the needs of the employee's research and training and the needs of the supervisor's research program may require flexibility in the performance of the employee's duties and hours of work.

Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement.

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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.