

## Postdoctoral or more senior research position Princeton University

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Posted Feb. 12, 2024, set to expire Jun. 10, 2024

<b>Job Title</b>	Postdoctoral or more senior research position
<b>Department</b>	Civil and Environmental Engineering
<b>Institution</b>	Princeton University Princeton, New Jersey
<b>Date Posted</b>	Feb. 12, 2024
<b>Application Deadline</b>	Mar. 8, 2024
<b>Position Start Date</b>	June 1, 2024 or shortly thereafter
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Earth Sciences Atmospheric Sciences
<b>Apply Online Here</b>	<a href="https://www.princeton.edu/acad-positions/position/33161">https://www.princeton.edu/acad-positions/position/33161</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

A postdoctoral or more senior research position is available in the Environmental Fluid Mechanics Laboratory (<http://efm.princeton.edu>) of the Department of Civil and Environmental Engineering at Princeton University, in collaboration with the Geophysical Fluid Dynamics Laboratory (GFDL) of National Oceanic and Atmospheric Administration.

The research will focus on elucidating the physics of atmospheric boundary layer flows over heterogeneous terrain using fine scale large eddy simulations, and then parametrizing these physics in the climate models of GFDL using hybrid physical and data-driven approaches. The focus will be on the marginal ice zone in polar regions, where the surface abruptly transitions between colder ice and warmer water over the fractured sea ice surface.

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The postdoc will work closely with the project PI, Elie Bou-Zeid, at Princeton, as well as with Dr. Mitch Bushuk and other sea ice and climate modelers at GFDL.

Applicants from all academic backgrounds will be considered, but previous experience in numerical modeling of fluid flow, climate modeling, and/or machine learning for geophysical applications is strongly desired.

Applicants are encouraged to apply as soon as possible; the position will remain open until filled. All applications should be submitted through <https://www.princeton.edu/acad-positions/position/33161>

Please Submit:

- CV
- Cover Letter
- Research Statement
- Contact for 3 references

For questions regarding this position, please email Professor Elie Bou-Zeid at [ebouzeid@princeton.edu](mailto:ebouzeid@princeton.edu)

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The work location for this position is in-person on campus at Princeton University. This position is subject to Princeton University's background check policy

### **EEO/AA Policy**

Princeton University is an Equal Opportunity/Affirmative Action employer, and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law.

### **Contact Information**

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Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact** Elie Bou-Zeid  
Civil and Environmental Engineering  
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