

Postdoctoral or more senior research position Princeton University

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

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

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

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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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Princeton, NJ 08544

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