Position: Full-Time

Salary: $75000 annually plus benefits

Start date: Spring 2025

A challenge in earth sciences is obtaining coincident, collocated, high-resolution measurements of the ocean and atmosphere. Geostationary satellites continuously collect large amounts of imagery of the ocean surface. Our team has developed GOFLOW, a machine learning framework that leverages these satellite datasets to infer surface velocity fields. By applying data-driven techniques, GOFLOW captures ocean dynamics from basin scales down to the submesoscale at sub-hourly temporal resolution.

Kaushik Srinivasan (UCLA), Luc Lenain (UCSD), Roy Barkan (TAU/UCLA) and Nick Pizzo (URI) are seeking a full-time postdoctoral research associate with a background in machine learning, data science, atmospheric sciences, physical oceanography, or a related field. The postdoc will be funded through the Office of Naval Research and will be located at UCLA and UCSD.

The postdoctoral scholar will develop and expand the capabilities of GOFLOW while pursuing relevant science related questions on ocean and atmospheric dynamics and interactions.

Qualifications include: a Ph.D. in data sciences, atmospheric sciences, physical oceanography, or a related field, completed prior to postdoctoral appointment start date; strong programming skills in Python or a related language; experience with large data sets desirable; strong writing skills and experience with submission of manuscripts to academic journals; demonstrated ability to work both collaboratively as part of a research team and independently. Two-year commitment required.

To apply, please send the following to llenain@ucsd.edu and kaushiks@atmos.ucla.edu:

• curriculum vitae

• statement of research interests and experience

• contact information for three references

For full consideration, materials should be received by March 1, 2026.