Research Description:

The Naval Research Laboratory (NRL) Marine Meteorology Division (MMD) is seeking applicants for a postdoc opportunity in subseasonal tropical cyclone prediction beginning in October 2019.

The focus of this project is on evaluating and improving the skill of subseasonal tropical cyclone predictions in the Navy Earth System Prediction Capability (ESPC), a coupled global ensemble prediction system being developed by NRL.

Postdocs working on this project will have the ability to focus on a number of areas:

(1) Characterizing how the temporal variability of large-scale atmosphere-ocean conditions affects subseasonal tropical cyclone predictability.
(2) Using process-oriented diagnostics to examine the relationship between model physics parametrizations and tropical cyclone activity biases.
(3) Developing statistical-dynamical post-processing techniques to improve subseasonal tropical cyclone predictions from the Navy ESPC.

Lab Location:

Naval Research Laboratory Marine Meteorology Division
Monterey, CA

Advisor:

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