



**Position for Nick Lutsko**

**Contact Name:** Professor Nick Lutsko

**Contact Email:** [nlutsko@ucsd.edu](mailto:nlutsko@ucsd.edu)

**Title of the Position:** Postdoctoral Scholar-Employee

**School or Division:** Scripps Institution of Oceanography

**Center, Institute, or other Organized Unit:** Climate, Atmospheric Science and Physical Oceanography

**Disciplinary Speciality of Research:** Coupled atmosphere-ocean dynamics, monsoons

**Description of the Position:** Postdoctoral researcher will develop a coupled model hierarchy to investigate the relationship between the subtropical cells (STCs) in the ocean and the trade-winds, and how that coupling modulates the seasonal migration of tropical precipitation belts. The project will involve close collaboration with Professor John Marshall's group at MIT and will focus particularly on the regional scale of ocean basins (e.g., the Indian Ocean), seeking to better understand how arguments made in idealized, zonally symmetric situations apply to more realistic settings. Questions of interest include: (1) how regional basin dynamics affect the coupling between the STCs and the trade-winds, (2) the relationship between zonal-mean and regional circulations, and (3) the relationship between the STCs, monsoons and variability in the Atlantic Meridional Overturning Circulation, with application to paleo time-scales. Please contact Nick Lutsko for more details.

**Qualifications Required and Preferred Academic Background:** Applicants should have 0-2 years of postdoctoral experience, or be nearing completion of their Ph.D. (estimated within 3 months), and be self-motivated and hard-working. Good written and verbal communication skills, including the ability to produce scientific publications and presentations and meet project milestones are required. A strong analytical background, with a Ph.D. in atmospheric sciences, physical oceanography, or related field is required.

**Appointment Length/Period:** Initial appointment is for one year, with extension for up to three years in total, contingent upon candidate eligibility and performance. Desired start date is December 1, 2020 or by mutual agreement.

**Application Procedure:** Please contact Professor Nick Lutsko via email at [nlutsko@ucsd.edu](mailto:nlutsko@ucsd.edu) with a CV, a personal statement of the candidate's experience and career goals, and the names and email contact information for three referees. The University of California, San Diego is an AA/EOE.

**Application Closing Date:** Open until filled, with preference to applications received by September 30, 2020.