Stanford University

DEPARTMENT OF EARTH SYSTEM SCIENCE

POSTDOC POSITION IN OCEAN PROCESS MODELING AND THEORY

Applications are invited for a postdoctoral researcher in **ocean process modeling and theory** to work with Prof. Leif Thomas in the Department of Earth System Science at Stanford University. The successful candidate will pursue research in the dynamics of submesoscale processes and inertia-gravity wave-mean flow interactions at ocean fronts and their impact on generating small-scale turbulence. The research is part of the Submesoscales Under Near-Resonant Inertial Shear Experiment (SUNRISE), a multi-institution collaborative project, and will involve a combination of theory, numerical modeling, and analysis of submesoscale-resolving observations from an ongoing field campaign in the Northern Gulf of Mexico. A strong background in geophysical fluid dynamics with application to the ocean or atmosphere and knowledge in numerical modeling is required.

Evaluation of applications will begin July 1st, 2019 and will continue until the position is filled. The start date is flexible (ideally between Fall 2019 and Winter 2020), but completion of the PhD is required. The initial appointment is for one year and renewable for one additional year, subject to satisfactory performance. Applications should be sent by email to leift@stanford.edu and include a CV, brief statement of research interests, experience, and future career plans, and the names and contact information of three or more references.

Stanford is an equal opportunity employer and all qualified applicants will receive consideration without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status, or any other characteristic protected by law.