

Opportunity Title: Application of Remote Sensing and High Resolution Models to the Coastal Oceans

Opportunity Reference Code: 0187-NPP-NOV23-JPL-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0187-NPP-NOV23-JPL-EarthSci

Application Deadline 11/1/2023 6:00:59 PM Eastern Time Zone

Description Dr. Jorge Vazquez (primary advisor) Dr. Dimitris Menemenlis (collaborator) The opportunity seeks a qualified post-rodctoal candidate to apply remote sensing data and high resolution models to the coastal regions. Overall goal is to better understand the processes leading to coastal upwelling and and the temporal and spatial variability from the seasonal to climate scale.

References:

Victor Zlotnicki: victor.zlotnicki@jpl.nasa.gov Severine Fournier: severine.fournier@jpl.nasa.gov Tong Lee: tong.lee@jpl.nasa.gov Recent Relevant Publications: 1. SMAP and CalCOFI Observe Freshening During the 2014-2016 Northeast Pacific Warm Anomaly, J. Vazquez-Cuervo, J. Gomez-Valdes, 2018, submitted Remote Sensing Speical Issue on Remote Sensing. 2. Intercomparison of in-situ and remote sensing products in the Gulf of Mexico: a river influended system, J. Vazquez-Cuervo, S. Fournier, B. Dzwonkowski, Remote Sensing, 10(10), 1590; <https://doi.org/10.3390/rs10101590> 3. Relationship between SST gradients and upwelling off Peru and Chile: Model/Satellite Data Analysis, J.Vazquez-Cuervo, B. Dewitte, H. Torres, D. Menemenlis, T.M. Chin, E.M. Armstrong, 2017, International Journal of Remote Sensing. 38 (23), 6599-6622, doi: 10.1080/01431161.2017.1362130.

Location:

Jet Propulsion Laboratory
Pasadena, California

Field of Science:Earth Science

Advisors:

Jorge Vazquez
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818 354 6980

Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States. A complete list of Designated Countries can be found at: <https://www.nasa.gov/oiir/export-control>.

Eligibility is currently open to:

- U.S. Citizens;
- U.S. Lawful Permanent Residents (LPR);
- Foreign Nationals eligible for an Exchange Visitor J-1 visa status; and,
- Applicants for LPR, asylees, or refugees in the U.S. at the time of



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application with 1) a valid EAD card and 2) I-485 or I-589 forms in pending status

Eligibility Requirements • **Degree:** Doctoral Degree.