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**Project:** *Transport over the Inner-Shelf of the Santa Barbara Channel*

**Education:** B.A. Applied Mathematics, University of California, San Diego, CA 1986  
MA. Architecture, California Polytechnic University, San Luis Obispo, CA 1991  
M.S. Mechanical Engineering, University of California, Santa Barbara, CA 1995  
Ph.D. Geography (Oceanography), University of California, Santa Barbara, CA 1997

**Positions:** 2003-Present Visiting Research Oceanographer, Physical Oceanography Research Division, Scripps Institution of Oceanography, La Jolla, CA  
2000-Present Assistant Research Oceanographer, Institute for Computational Earth System Science, University of California, Santa Barbara, CA  
1998-2000 Postdoctoral Researcher, Physical Oceanography Research Division, Scripps Institution of Oceanography, La Jolla, CA  
1997-1998 Post Postdoctoral Researcher, Institute for Computational Earth System Science, University of California, Santa Barbara, CA  
1992-1997 Research Assistant, Institute for Computational Earth System Science, University of California, Santa Barbara, CA

### Selected Publications:

- Ohlmann, J. C., and A.L. Sybrandy. A catch-and-release Lagrangian drifter for near-shore ocean circulation research. Proceedings, *California and the World Ocean '02* (in press)
- Ohlmann, J.C., P.F. White, A.L. Sybrandy and P.P. Niiler. GPS-cellular drifter technology for coastal ocean observing systems. *Journal of Atmospheric and Oceanic Technology* (in press).
- Emery, B.E., L. Washburn, M. Love, M.M. Nishimoto and J.C. Ohlmann, Do Oil and Gas Platforms off California Reduce Recruitment of Bocaccio (*Sebastes Paucispinis*) to Natural Habitat? An Analysis based on Trajectories derived from High Frequency Radar. *Fisheries Bulletin* (in review).
- Ohlmann, J.C. and P.F. White. High-resolution drifter measurements on the inner-shelf of the Santa Barbara Channel. *Continental Shelf Research* (in prep).
- Ohlmann, J.C. and J.H. LaCasce. Shear dispersion in the coastal ocean. *Journal of Marine Research* (in prep).
- Miller, A.J., M.A. Alexander, G.J. Boer, F. Chai, K. Denman, D.J. Erickson, R. Frouin, A.J. Gabric, E.A. Laws, M.R. Lewis, Z. Liu, R. Murtugudde, S. Nakamoto, D.J. Neilson, J.R. Norris, J.C. Ohlmann, R.I. Perry, N. Schneider, K.M. Shell and A. Timmermann. 2003. Potential feedbacks between Pacific Ocean ecosystems and interdecadal climate variations. *Bulletin of the American Meteorological Society* **84**:617-633.
- Ohlmann, J.C. 2003. Ocean radiant heating in climate models. *Journal of Climate* **16**:1337-1351.
- LaCasce, J.H. and J.C. Ohlmann. 2003. Relative dispersion at the surface of the Gulf of Mexico. *Journal of Marine Research* **61**:285-312.
- Ohlmann, J.C. and P.P. Niiler. 2005. Circulation over the continental shelf in the northern Gulf of Mexico. *Progress in Oceanography* **64**:45-81.
- Ohlmann, J.C. and P.P. Niiler. 2001. A two-dimensional response to a tropical storm on the Gulf of Mexico shelf. *Journal of Marine Systems* **29**(1-4):87-99.
- Ohlmann, J.C., P.P. Niiler, C.A. Fox, and R.R. Leben. 2001. Eddy energy and shelf interactions in the Gulf of Mexico. *Journal of Geophysical Research Oceans* **106**(C2):2605-2620.

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- Ohlmann, J.C., and D.A. Siegel. 2000. Ocean radiant heating: Part II. Parameterizing solar radiation transmission through the upper ocean. *Journal of Physical Oceanography* **30**(8):1849-1865.
- Ohlmann, J.C., D.A. Siegel, and C.D. Mobley. 2000. Ocean radiant heating: Part I. Optical influences. *Journal of Physical Oceanography* **30**(8):1833-1848.
- Siegel, D.A., T.K. Westberry, and J.C. Ohlmann. 1999. Cloud color and ocean radiant heating. *Journal of Climate* **12**(4):1101-1116.
- Ohlmann, J.C., D.A. Siegel, and L. Washburn. 1998. Radiant heating of the western equatorial Pacific during TOGA-COARE. *Journal of Geophysical Research Oceans* **103**(C3):5379-5395.
- Ohlmann, J.C., D.A. Siegel, and C. Gautier. 1996. Ocean mixed layer radiant heating and solar penetration: A global analysis. *Journal of Climate* **9**(10):2265-2280.
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