

## ***Curriculum Vitae***

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# **Peter Gaube**

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### **Research Interest**

Biophysical interactions in the open ocean, mesoscale ocean eddies, satellite remote sensing and observations made by autonomous sensors (gliders, floats, etc..)

### **Education**

Oregon State University College of Ocean and Atmospheric Sciences. Doctorate of Philosophy, Interdisciplinary Oceanography. November 2012

Nova Southeastern University Oceanographic Center. Masters of Science, Physical Oceanography June 2007.

University of Arizona Department of Ecology and Evolutionary Biology. Bachelors of Arts in Ecology and Evolutionary Biology May 2003.

### **Research Experience and Professional Employment**

Postdoctoral Scholar, Applied Ocean Physics and Engineering Department, *Woods Hole Oceanographic Institute*, Woods Hole (Start date December, 2012)

Graduate Research Assistant, Dr. Dudley B. Chelton, College of Ocean and Atmospheric Sciences, *Oregon State University*, Corvallis (2007-2012)

Graduate Research Assistant, Dr. Sean C. Kennan, Department of Oceanography, *Nova Southeastern University*, Dania Beach (2004-2007)

Teaching Assistant, Dr. Sean C. Kennan, Oceanographic Center, *Nova Southeastern University*, Dania Beach (2005-2006)

Education Program Coordinator, *International Game Fish Association (IGFA)*, Dania Beach (2005-2007)

Lab Technician, Dr. Brian J. Enquist, Department of Ecology and Evolutionary Biology, *University of Arizona*, Tucson (2003-2004)

Research Diver and Fellow, *Smithsonian Tropical Research Institute*, Bocas del Toro, Panama (2003)

Research Diver (*Volunteer*), Dr. Kevin Fitzsimmons, Biosphere 2 Center, *Columbia University*, Tucson (2001-2002).

## **Publications**

Chelton, D.B., Gaube, P., Schlax, M.G., Early, J.J. and Samelson, R.M. The influence of Nonlinear Mesoscale Eddies on Near-Surface Oceanic Chlorophyll. *Science* 334(6054):328–332, 2011.

Hurtado, L.A., Freey, M., Gaube, P. and Markow, T.A. Geographical Subdivision, Demographic History And Gene Flow In Two Sympatric Species Of Intertidal Snails, *Nerita Funiculata* And *Nerita Scabricosta*, from The Tropical Eastern Pacific. *Marine Biology*. 151:1863-1873, 2007.

## **(in preparation)**

Gaube, P., Chelton, D.B., O'Neill, L.W. Eddy-induced Ekman Pumping for Surface Current and SST Effects. *Journal of Physical Oceanography*.

Gaube, P., Chelton, D.B., Strutton, P.G., and Behrenfeld, M.J. Phytoplankton Response to Eddy-Induced Ekman Pumping in the South Indian Ocean. In preparation for the *Journal of Geophysical Research: Oceans*.

Gaube, P., Chelton, D.B., Behrenfeld, M.J. and Strutton, P.G. Regional Variability of the Observed Influence of Mesoscale Ocean Eddies on Near-Surface Chlorophyll. In preparation for the *Journal of Geophysical Research: Oceans*.

## **Oral Presentations**

Ocean Sciences 2012 (Salt Lake City, Utah): The Influence of Nonlinear Mesoscale Eddies on Oceanic Chlorophyll **2012 Outstanding Student Paper Award Winner**

American Geophysical Union Annual Meeting 2011 (San Francisco, California): Eddy-Induced Ekman Pumping from Sea-Surface Temperature and Surface Current Effects **2011 Outstanding Student Paper Award Winner**

Applied Ocean Physics and Engineering (APOE) Department (Woods Hole, Massachusetts): The Influence of Nonlinear Mesoscale Eddies on Oceanic Chlorophyll (*invited*)

NOAA Satellite Applications and Research (StAR) Headquarters (Camp Spring, Maryland): The Influence of Nonlinear Mesoscale Eddies on Oceanic Chlorophyll (*invited*)

NASA Ocean Surface Topography Science Team Annual Meeting 2011 (San Diego, California): Combining Satellite Observations with ARGO Profiles to Investigate Bio/Physical Interaction in Oceanic Mesoscale Eddies

European Geophysical Union Annual Meeting 2011 (Vienna, Austria): The Influence of Nonlinear Mesoscale Eddies on Oceanic Chlorophyll

Ocean Sciences 2010 (Portland, Oregon): Satellite Observations of SST, Wind Speed and Vorticity Perturbations by Mesoscale Ocean Eddies

American Meteorological Society Annual Meeting 2009 (Phoenix, Arizona): Preliminary Observations of Mesoscale Ocean Eddies in the VOCALS Region

### **Academic References**

Dr. Dudley Chelton  
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Dr. Pete Strutton  
(03) 6226 8595  
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Dr. Dennis McGillicuddy  
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