

## Peter Gaube

### Woods Hole Oceanographic Institution

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### EDUCATION

*Doctorate of Philosophy*, Oceanography  
Oregon State University  
College of Earth, Ocean and Atmospheric Sciences, Corvallis , OR November 2012

*Master of Science*, Physical Oceanography  
Nova Southeastern University  
Oceanographic Center, Dania Beach, FL June 2007

*Bachelor of Arts*, Ecology and Evolutionary Biology  
University of Arizona  
Department of Ecology and Evolutionary Biology, Tucson, AZ May 2003

### RESEARCH EXPERIENCE AND ACADEMIC EMPLOYMENT

*Woods Hole Oceanographic Institution* December 2012 – Present  
Postdoctoral Fellow

*Oregon State University* July 2007 – November 2012  
Graduate Research Assistant, Dr. Dudley B. Chelton, College of Earth, Ocean and Atmospheric Sciences

*Nova Southeastern University* August 2004 – June 2007  
Graduate Research Assistant, Dr. Sean C. Kennan, Department of Oceanography

*University of Arizona* January 2003 – July 2004  
Lab Technician, Dr. Brian J. Enquist, Department of Ecology and Evolutionary Biology

*Smithsonian Tropical Research Institute* May 2003 – July 2003  
Research Diver and Summer Fellow, Bocas del Toro, Panama

### TEACHING EXPERIENCE

*Woods Hole Oceanographic Institution* December 2012 – Present  
Guest Lecturer, Bio-Physical Interaction course for the MIT-Woods Hole Joint Program  
Drs. Dennis J. McGillicuddy Jr. and Glenn R. Flierl

*Oregon State University* June 2012 – November 2012  
Guest Lecturer, Ecology and Biogeochemistry core course  
Drs. Miguel Goni and Evelyn Sherr

Nova Southeastern University  
Teaching Assistant, Introduction to Physical Oceanography  
Drs. Sean C. Kennan and Alexander Soloviev

August 2004 – June 2007

International Game Fish Association  
Education Program Coordinator

March 2005 – May 2007

## PUBLICATIONS

Gaube, P., Chelton, D.B., Samelson, R.M., Schlax, M.G., O'Neill, L.W. and Hoecker-Martinez, M.S.  
**Satellite Observations of Mesoscale Eddy-Induced Ekman Pumping.**

*Journal of Physical Oceanography* - submitted. Draft manuscript available upon request.

Gaube, P., Chelton, D.B., Strutton, P.G., and Behrenfeld, M.J.

**Satellite Observations of Chlorophyll, Phytoplankton Biomass and Ekman Pumping in Non-linear Mesoscale Eddies.**

*Journal of Geophysical Research: Oceans* (118), 2013. doi:10.1002/2013JC009027

Gaube, P

**Satellite Observations of the Influence of Mesoscale Ocean Eddies on Near-Surface Temperature, Phytoplankton and Surface Stress.**

*Ph.D Thesis (Oregon State University), 197 pages, 2012*

Chelton, D. B., Gaube, P. and Samelson, R. M.

**Self-Induced Ekman Pumping Over Oceanic Mesoscale Eddies.**

*Proceedings of 20 Years of Progress in Radar Altimetry Symposium, Venice Italy, 2012*

Gaube, P., Chelton, D. B., Strutton, P. G. and Behrenfeld, M. J.

**The Response of Phytoplankton to Eddy-Induced Ekman Pumping in the Interiors of South Indian Ocean Eddies.**

*Proceedings of 20 Years of Progress in Radar Altimetry Symposium, Venice Italy, 2012*

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):328332, 2011.

Hurtado, L.A., Frey, 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.

### *Manuscripts in Preparation*

Gaube, P., McGillicuddy, D.J., Chelton, D.B., Behrenfeld, M.J., and Strutton, P.G.

**Regional Variations in the Influence of Mesoscale Eddies on Near-Surface Chlorophyll.**

*Journal of Geophysical Research: Oceans* - to be submitted March 2014. Draft manuscript available upon request.

Gaube, P., Barcelo, C., McGillicuddy, D.J.

**Differential Use of Mesoscale Eddies by Juvenile Loggerhead Sea Turtles.**

In preparation for the *Marine Ecology Progress Series*. Draft manuscript available upon request.

## PRESENTATIONS

- Climate, Atmospheric Sciences, Physical Oceanography Seminar Series* March 2014  
Scripps Institution of Oceanography  
**Satellite Observations of Mesoscale Eddy-Induced Ekman Pumping**
- Ocean Sciences Meeting* February 2014  
Honolulu, HI  
**Regional Variations in the Influence of Mesoscale Eddies on Near-Surface Chlorophyll**
- Physical Oceanography Departmental Seminar Series* June 2013  
Woods Hole Oceanographic Institution  
**Satellite Observations of Mesoscale Eddy-Induced Ekman Pumping**
- 45th International Liège Colloquium on Ocean Dynamics* May 2013  
Université de Liège  
**Regional Variations of the Influence of Mesoscale Eddies on Near-Surface Chlorophyll**
- Ocean Sciences Meeting* February 2012  
Salt Lake City, UT  
**The Influence of Nonlinear Mesoscale Eddies on Oceanic Chlorophyll**
- American Geophysical Union Annual Meeting* December 2011  
San Francisco, CA  
**Eddy-Induced Ekman Pumping from Sea-Surface Temperature and Surface Current Effects**
- Applied Ocean Physics and Engineering Departmental Seminar Series* November 2011  
Woods Hole Oceanographic Institution  
**The Influence of Nonlinear Mesoscale Eddies on Oceanic Chlorophyll**
- NASA Ocean Surface Topography Science Team Annual Meeting* October 2011  
San Diego, CA  
**Combining Satellite Observations with ARGO Profiles to Investigate Bio/Physical Interaction in Oceanic Mesoscale Eddies**
- European Geophysical Union Annual Meeting* March 2011  
Vienna, Austria  
**The Influence of Nonlinear Mesoscale Eddies on Oceanic Chlorophyll**
- Ocean Sciences Meeting* February 2010  
Portland, OR  
**Satellite Observations of SST, Wind Speed and Vorticity Perturbations by Mesoscale Ocean Eddies**
- American Meteorological Society Annual Meeting* January 2009  
Phoenix, AZ  
**Preliminary Observations of Mesoscale Ocean Eddies in the VOCALS Region**

## FELLOWSHIPS AND AWARDS

- Postdoctoral Fellow *Woods Hole Oceanographic Institution*  
Outstanding Student Paper Award Winner *2012 Ocean Sciences Meeting*  
Outstanding Student Paper Award Winner *2011 AGU Annual Meeting*  
Summer Research Fellow *Smithsonian Tropical Research Institute*

## ACADEMIC REFERENCES

Dr. Dudley Chelton  
541-737-4017  
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Dr. Dennis McGillicuddy  
508-289-2683  
dmcgillicuddy@whoi.edu

Dr. Pete Strutton  
(03) 6226 8595  
peter.strutton@utas.edu.au

Dr. Michael Behrenfeld  
541-737-5289  
behrenfm@science.oregonstate.edu