**Peter Brickley**

Senior Engineer

Applied Ocean Physics & Engineering

Laboratory for Operational Systems and Ocean Sensors (LOSOS), MS# 57

**RESEARCH INTERESTS**

Ocean observation using unmanned autonomous vehicles, satellite remote sensing of marine physics and ecosystems at multiple scales, internal wave and inertial oscillations on continental shelves, development and application of 3d ocean forecast models

**PROFESSIONAL PREPARATION**

1989 B. S. Physics, University of Vermont

1994 M. S. Oceanography, University of Maine

2000 Ph. D. Oceanography, University of Maine

**APPOINTMENTS**

**Senior Engineer,** Woods Hole Oceanographic Institution (WHOI), 2013 - present

**Chief Scientist,** Horizon Marine, Inc., Marion, MA 2009 - 2013

**Instructor**, Maine Maritime Academy, Castine, ME 2008 - 2009

**Research Associate**, School of Marine Sciences, University of Maine, 2000 - 2008

**HONORS AND AWARDS**

**EDUCATIONAL ACTIVITY**

Instructor in mathematics and physics, Maine Maritime Academy, Castine, ME 2008-2009

**OTHER PROFESSIONAL ACTIVITIES**

American Geophysical Union (AGU)

Marine Technology Society (MTS), Unmanned Maritime Vehicles Committee

Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology – Data Buoy Cooporation Panel (JCOMM-DBCP)

**TEN SELECTED PUBLICATIONS (2005-2015)**

Brickley, P. Srinivasn, A. Sharma, N. Jet Streams of the Tropical Atlantic: Observing and Forecasting the North Brazil Current Retroflection, Offshore Technology Conference 24139-MS, Houston, TX, 2013

Brickley, P., J. Feeney, B. Shaw, G. Burnett, and P. Coholan, Ocean observing in the 4th dimension: using autonomous gliders for operational surveillance of Gulf of Mexico, Offshore Technology Conference 23343-PP, Houston, TX, 2012

Nan D. Walker,Chet T. Pilley, Vandana V. Raghunathan, Eurico J. D'Sa, Robert R. Leben, Nicholas G. Hoffmann, Peter J. Brickley, Patrice D. Coholan, Neha Sharma, Hans C. Graber, Raymond E. Turner, Impacts of Loop Current Frontal Cyclonic Eddies and Wind Forcing on the 2010 Gulf of Mexico Oil Spill, AGU Monograph: Monitoring and Modeling the Deepwater Horizon Oil Spill: A Record Breaking Enterprise (in press), 2011

Schmidt,A.C.K., P. Brickley, A. Gangopadhyay, M. Cadwallader, N. Sharma, C. Nobre, P. Coholan, and J. Feeney, A Feature Oriented Regional Modeling System for the North Brazil Current Rings Migration after Retroflection, Offshore Technology Conference 21532-PP, Houston, TX, 2011

Thomas, A.C., P. Brickley and R. Weatherbee, 2009. Interannual variability in chlorophyll concentrations in the Humboldt and California Current Systems. Progress in Oceanography, 83, 386-392, doi: 10.1016/j.pocean.2009.07.020

Boss, E., D. Swift, L. Taylor, P. Brickley, R. Zanefeld, S. Riser, and M.J. Perry, Observations of pigment and particle distributions in the Western North Atlantic from an autonomous float and ocean color satellite, Limnol. and Oceanogr., 53 (5, part 2), 2112-2122, 2008

Crawford, W.R., P.J. Brickley, and A.C. Thomas. Mesoscale eddies dominate surface phytoplankton in northern Gulf of Alaska, Prog. in Oceanogr. 75, 287-303, doi:10.1016/j.pocean.2007.08.017, 2007

Thomas, A.C. and P. Brickley. Satellite measurements of chlorophyll distribution during spring 2005 in the California Current. Geophys. Res. Lett. 33, doi:10.1029/2006GL026588, 2006

Crawford, W.R., P.J. Brickley, T.D. Peterson, and A.C. Thomas. Impact of Haida Eddies on chlorophyll-a distribution in the eastern Gulf of Alaska, Deep-Sea Res., 52: 975-989, 2005

Brickley, P., and A. C. Thomas, Satellite-measured seasonal and interannual variability of chlorophyll in the Northeast Pacific and coastal Gulf of Alaska, Deep-Sea Res. 51: 229-245, 2004