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EDUCATION

2006 – PhD - University of Maryland, Cambridge, MD
1998 – MA - College Of William and Mary, Williamsburg, VA
1993 – BS - Wake Forest University, Winston-Salem, NC

WORK EXPERIENCE

Oceanographer, US Naval Research Laboratory – 2012 - present
Research Scientist, Computational Physics Inc. - 2008 - 2012
NRC Postdoctoral Research Associate, US Naval Research Laboratory - 2006 - 2008
Graduate Research Assistant, University of Maryland, Horn Point Laboratory - 1998 - 2006
Laboratory Technician, Virginia Institute of Marine Science - 1996 - 1998
Technician, Susquehanna River Basin Commission - 1994

PROFESSIONAL PUBLICATIONS

Neubauer, Miller, Anderson 2000 Carbon cycling in a tidal freshwater marsh ecosystem: A carbon gas flux study. *Marine Ecology Progress Series* 199:13-30

Miller, Neubauer, Anderson 2001 Effects of sea-level induced disturbances on high salt marsh metabolism. *Estuaries* 24:357-367

Harding, Miller, Swift, Wright 2001 Aircraft remote sensing, pp 113-122. In: Steele, Thorpe, Turekian (eds) *Encyclopedia of Ocean Sciences*. Academic Press Ltd. London U.K.

Roman, Adolf, (and 8 others) 2005 Stimulation of plankton and fish abundance in Chesapeake Bay by Hurricane Isabel. *EOS* 86:261

Kemp, Boynton, (and 16 others) 2005 Eutrophication of Chesapeake Bay: Historical trends and ecological interactions. *Marine Ecology Progress Series* 303:1-29

Adolf, Harding, Yeager, Mallonee, Miller 2006 Environmental forcing of phytoplankton floral composition, biomass, and primary productivity in Chesapeake Bay. *Estuarine Coastal and Shelf Science* 67:108-122

Miller, Kimmel, Harding 2006 Predicting spring discharge of the Susquehanna River from a synoptic climatology for the Eastern US. *Water Resources Research* 42:W05414
doi:10.1029/2005WR004270

Miller, Harding, Adolf 2006 Hurricane Isabel generated an unusual fall bloom in Chesapeake Bay. *Geophysical Research Letters* 33:L06612 doi:10.1029/2005GL025658

Kimmel, Miller, Roman 2006 Regional scale climate forcing of Chesapeake Bay zooplankton dynamics. *Estuaries* 29:375-387

Miller, Harding 2007 Climate forcing of the spring bloom in Chesapeake Bay. *Marine Ecology Progress Series* 331:11-22

Boesch, Coles, Kimmel, Miller 2007 Ramifications of Climate Change for Chesapeake Bay Hypoxia, In: *Regional Impacts of Climate Change in the United States*. Pew Center on Global Climate Change, Washington DC

Szekielda,, Marmorino, Maness, Donato, Bowles, Miller, Rhea 2007 Airborne hyperspectral imaging of cyanobacteria accumulations in the Potomac River. *Journal of Applied Remote Sensing* 1:013544

Harding, Miller 2009 Airborne Remote Sensing of Chlorophyll in Chesapeake Bay, USA, pp 115-138. In: Yang (ed) *Remote Sensing and Spatial Information Technologies for Coastal Ecosystem Assessment and Management: Principles and Applications*, Springer Berlin Germany

Kimmel, Miller, Harding, Houde, Roman 2009 Estuarine ecosystem response captured using a synoptic climatology. *Estuaries and Coasts* 32:403-409

Szekielda, Bowles, Gillis, Miller 2009 Interpretation of Absorption Bands in Airborne Hyperspectral Radiance Data. *Sensors* 9:2907-2925

Marmorino, Smith, Miller, Bowles 2010 Detection of a buoyant coastal wastewater discharge using airborne hyperspectral and infrared imagery. *Journal of Applied Remote Sensing* 4:043502

Bachmann, (and 20 others) 2010 Retrieval of substrate bearing strength from hyperspectral imagery during the Virginia Coast Reserve multi-sensor campaign. *Marine Geodesy* 33:101-116

Marmorino, Miller, Smith, Bowles 2011 Airborne imagery of a disintegrating Sargassum drift line. *Deep Sea Research* 58:316-321

Marmorino, Smith, Miller in press Infrared remote sensing of surf-zone eddies. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS)*

AFFILIATIONS

American Geophysical Union

Estuarine Research Federation

American Society of Limnology and Oceanography