**BRIAN DZWONKOWSKI**
University of Maine
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(302) 588-7201

## Education

2009 Ph.D., Marine Studies w/ concentration in Physical Oceanography, UNIVERSITY OF DELAWARE

2003 M.S., Marine Studies w/ concentration in Oceanographic Remote Sensing, UNIVERSITY OF DELAWARE

1999 B.A., Mathematics (with NJ teaching certification), THE COLLEGE OF NEW JERSEY

## Employment

2012-Present Research Assistant Professor, University of Maine, Orono, ME

2011-2012 Research Senior Marine Scientist I, Dauphin Island Sea Lab, Dauphin Island, AL

2009-2011 Postdoctoral Researcher, Dauphin Island Sea Lab, Dauphin Island, AL

2009 Postdoctoral Researcher, Physical Ocean Science and Engineering Department, College of Marine and Earth Studies, University of Delaware, Newark, DE

2007 Teaching Assistant, College of Marine and Earth Studies, University of Delaware, Newark, DE

2001-2008 Research Assistant, The Center for Remote Sensing, University of Delaware, Newark, DE

2000-2001 Research Assistant, The Prudential Insurance Company of America, Newark, NJ

## Honors &Awards

2009-2010 E. Sam Fitz Award, University of Delaware, recognizing high academic achievement, professional service, and community service

2008 NASA Space Grant Fellowship, University of Delaware

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| 2007 | Prosser Research Grant Award, University of Delaware |
| 2005 | Delaware Sea Grant Student Award, University of Delaware |
| 2004-2005 | Okie Fellowship, University of Delaware |
| 2002-2004 | NASA Space Grant Fellowship, University of Delaware |
| 2002 | Okie Fellowship, University of Delaware |
| 2000 | Wendell B. Secor Award, The College of New Jersey, presented to the top senior mathematics majors |
| 1999 | Robert S. Ducan Memorial Award, The College of New Jersey, presented to the top junior mathematics major |

## Research Experience

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| 2012-Present | Gulf of Maine, ME: Contributing member of the Physical Oceanography Group focused on applying time series and spatial analysis techniques to various data set from the Gulf of Maine Ocean Observing system to examine coastal processes, emphasizing across-shelf surface transport pathways |
| 2010-Present | Northern Gulf of Mexico, AL: Investigation of the three dimensional Eulerian flow field and resulting Lagrangian transport pathways on the Alabama shelf project - examine the spatial and temporal variability of a shallow stratified shelf using a multi-sensor approach including multiple ADCP moorings and ship surveys, surface drifters and satellite remote sensing. |
| 2009-2012 | Northern Gulf of Mexico, AL: Fisheries Oceanography in Coastal Alabama (FOCAL) project - examine the physical processes in the lower Mobile Bay and coastal water of Alabama using times series data including ship based and moored ADCP data and hydrographic data, and conduct interdisciplinary research focused on the physical-biological coupling in the coastal marine environment. |
| 2008-2009 | Murderkill watershed, DE: Hydrology and biogeochemistry of estuarine watersheds - times series analysis on tide and stream flow data, and water and salt flux into the watershed |
| 2007-2008 | Delaware Bay, DE: Development of multivariate real-time environmental monitoring system in Delaware Bay - assisted in setting up and maintaining a high frequency radar site in Cape May, NJ and ACDP instruments at the Delaware Bay mouth. |

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| 2005 | Delaware shelf, DE, R/V Cape Henlopen: Delaware Circulation And Dye Experiment (DECADE) - assisted in the scan fish operation and collecting crab larval samples. |
| 2005-2009 | New Jersey shelf, NJ: Time series and spatial analysis of HF radar data focused on tidal, near-inertial, and low frequency processes, emphasizing cross-shelf surface transport pathways |
| 2004-2006 | Delaware Bay and shelf, DE: Advancing remote sensing techniques for observing the coastal ocean, focused primarily on ocean color and SST data for coastal plume tracking |
| 2002-2003 | Delaware Bay, DE, R/V Cape Henlopen: Long-term trends in biogeochemistry of the Delaware Estuary - collected and processed chlorophyll samples for satellite ground truth measurements, and titration of water samples. |
| 2001-2004 | Delaware Bay and shelf, DE: Development and implementation of remote sensing techniques for monitoring ecosystems in Delaware Bay and adjacent coastal ocean, focused on algorithm development for satellite based ocean color data in coastal waters |

## Teaching Experience

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| 2012 | Co-Instructor, SMS 541, Physical Oceanography (3 credit hours), University of Maine, Orono, ME, 9-12/2012. |
| 2011 | Lead Instructor, Workshop on Data Analysis in Matlab, Dauphin Island Sea Lab, Dauphin Island, AL, 12/14/2011-12/15/2011/ |
| 2010 | Adjunct Instructor, OCP4002 Physical Oceanography (3 credit hours), University of West Florida, Pensacola, FL, 8-12/2010. |
| 2010 | Staff Mentor, National Science Foundation Research Experience for Undergraduates (REU) Program, Amanda Taylor from Coastal Carolina University, Dauphin Island Sea Lab, Dauphin Island, AL, 5-8/2010. |
| 2010 | Guest Lecturer, Physical-Biological Interactions in the Sea, University of South Alabama, Dauphin Island Sea Lab, Dauphin Island, AL, 2/10/2010 |
| 2007 | Teaching Assistant, General Oceanography(3 credit hours), College of Marine and Earth Studies, University of Delaware, Newark, DE, 8-12/2007 |
| 1999 | Teaching Certification in Mathematics, State of New Jersey Student Teacher, Kreps Middle School, East Windsor, NJ, 8-12/1999 |

1998 Student Teacher, Neil Armstrong Middle School, Bristol Township, PA, 1-5/1998

## Publications

**Dzwonkowski, B.,** and K. Park (2012), Subtidal circulation on the Alabama shelf during the Deep Water Horizon oil spill, *Journal of Geophysical Research*, 177, C03027, doi:10.1029/2011JC007664

**Dzwonkowski, B.,** K. Park, and L. Jiang (2011), Subtidal across-shelf surface transport and the factors that influence exchange on the Alabama shelf, *Journal of Geophysical Research*, 166, C10012, doi:10.1029/2011JC007188

Carassou, L., **B. Dzwonkowski**, F.J. Hernandez, S.P. Powers, K. Park, and W.M. Graham (2011), Environmental influences on juvenile fish abundances in a river-dominated coastal system, *Marine and Coastal Fisheries,* 3:1, 411-427, doi:101080/19425120.2011.642492.

**Dzwonkowski, B.,** K. Park, H.K. Ha, W.M. Graham, F.J. Hernandez, and S.P. Powers (2011), Hydrographic variability on a coastal shelf directly impacted by estuarine discharge, *Continental Shelf Research*, 31, 939-950, doi:10.1016/j.csr.2011.03.001

**Dzwonkowski**, **B.,** and K. Park (2010), Influence of wind stress and discharge on the mean and seasonal currents on the Alabama shelf of the northeastern Gulf of Mexico, *Journal of Geophysical Research*, 115, C12052, doi:10.1029/2010JC006449

**Dzwonkowski, B.**, B.L. Lipphardt, J.T. Kohut, X.-H. Yan, and R.W. Garvine (2010), Synoptic measurements of episodic flow events in the central Mid-Atlantic Bight, *Continental Shelf Research*, 30, 1373-1386, doi:10.1016/j.csr.2010.05.004

Drymon, J.M., S.P. Powers, J. Dindo, **B. Dzwonkowski**, and T. Henwood (2010), Distribution of sharks across a continental shelf in the northern Gulf of Mexico, *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science*, 2, 440-450, doi:10.1577/C09-061.1

**Dzwonkowski B.**, J.T. Kohut, and X.H. Yan (2009), Seasonal differences in wind-driven across-shelf forcing and response relationships in the shelf surface layer of the central Mid-Atlantic Bight, *Journal of Geophysical Research*, 114, C08018, doi:10.1029/2008JC004888

**Dzwonkowski B.,** J.T. Kohut, and X.H. Yan (2009), Sub-inertial surface flow field over the shelf of the central Mid-Atlantic Bight, *Continental Shelf Research*, 29, 1873-1886, doi:10.1016/j.csr.2009.07.005

Wong, K.-C., **B. Dzwonkowski**, and W.J. Ullman (2009), Temporal and spatial variability of sea level and volume flux in the Murderkill estuary, *Estuarine, Coastal and Shelf Science*, 84, 440-446, doi:10.1016/j.ecss.2009.07.008

**Dzwonkowski, B**., and X.-H. Yan (2005), Tracking of a Chesapeake Bay estuarine outflow plume with satellite-based ocean color data, *Continental Shelf Research*, 25(16), 1942-1958.

**Dzwonkowski, B.**, and X.-H. Yan (2005), Development and application of a neural network based ocean color algorithm in coastal waters, *International Journal of Remote Sensing*, 26, 1175-1200.

Jo, Y.-H., X.-H. Yan, **B. Dzwonkowski,** and T.W. Liu (2005), A study of the freshwater discharge from the Amazon River into the tropical Atlantic using multi-senor data, *Geophysical Research Letters*, 32(2), L02605. doi:10.1029/2004GL021840

Yan, X.-H., Y.-H. Jo, **B**. **Dzwonkowski,** and L. Jiang (2005), Applications of Hilbert-Huang Transform to ocean-atmosphere remote sensing research. In: *Hilbert-Huang Transforms in Engineering*, Huang, N. and Attoh-Okine, N.O., Eds., Marcel Dekker, pp. 59-82.

## Grants Awarded

NOAA National Ocean Service, FY 2011 Implementation of the U.S. Integrated Ocean Observing System (IOOS), "Continued development of the Gulf of Mexico Coastal Ocean Observing System (Lead PI: A.E. Jochens at TAMU)" (10/01/2011-09/30/2016), K. Park (PI at DISL) and **B. Dzwonkowski.**

Gulf of Mexico Research Initiative, Marine Environmental Sciences Consortium, "Investigation of the three dimensional Eulerian flow field and resulting Lagrangian transport pathways on the Alabama shelf" (12/01/2010-12/31/2011), **B. Dzwonkowski** (PI), K. Park, B.M. Webb, and A. Valle-Levinson.

Gulf of Mexico Research Initiative, Marine Environmental Sciences Consortium, "Modeling of circulation and physical transport for the Alabama coastal waters to assess transport and distribution of oil-derived substances" (12/01/2010-12/31/2011) K. Park (PI), **B. Dzwonkowski**, B.M. Webb, and Q.J. Chen.

Gulf of Mexico Research Initiative, Marine Environmental Sciences Consortium, "Identifying transport pathways and quantifying exchange in Alabama's coastal waters: from the shelf to the Delta" (12/01/2010-12/31/2011,), B.M. Webb (PI), K. Park, **B. Dzwonkowski**, and A. Valle-Levinson.

Gulf of Mexico Research Initiative, Northern Gulf Institute, "Impacts of the Deepwater Horizon oil spill on ecosystem structure and function in Alabama's marine waters - Task 7: Along-estuary transport of oil-derived substances in surface and subsurface waters of the ship channel of the Mobile Bay Estuary" (07/15/2010-12/31/2010) K. Park (PI), B.M. Webb, and **B. Dzwonkowski**.

## Invited Lectures

**Dzwonkowski, B.** (2012) Transport and circulation in the coastal environment, Department of Physical Sciences Seminar Series, Virginia Institute of Marine Science, College of William and Mary, Gloucester Point, VA, Apr 16.

**Dzwonkowski, B.** (2012) Transport and circulation in the coastal environment, School of Marine Sciences Seminar Series, School of Marine Sciences, University of Maine, Orono, ME, Mar 21.

**Dzwonkowski, B**., (2011) Across-shelf surface transport and velocity structure on a coastal shelf directly influenced by estuarine outflow. Center for Ocean-Atmospheric Prediction Studies Seminar Series, Florida State University, Tallahassee, FL, Nov 17.

**Dzwonkowski, B.** (2011) From the coast to the sea: Transport and circulation in the coastal environment, Department of Ocean Seminar Series, Earth and Atmospheric Sciences, Old Dominion University, Norfolk, VA, Oct 13.

**Dzwonkowski, B.** (2011) Transport and circulation in the coastal environment, Department of Marine Science, Coastal Carolina University, Conway, SC, Aug 30.

**Dzwonkowski, B.** (2010) From estuaries to the ocean: Transport and circulation in the coastal ocean, Summer Seminar Series, Dauphin Island Sea Lab, Dauphin Island, AL, Jun 22.

**Dzwonkowski, B.**, Park, K., and Ha, H.K. (2010) Variability of temperature and salinity on a coastal shelf directly impacted by estuarine discharge, Department of Marine Science Seminar Series, The University of Southern Mississippi, Stennis Space Center, MS, Apr 9.

**Dzwonkowski, B.** (2009) Applications of remote sensing in studying coastal circulation, Department of Environmental Studies Seminar Series, University of West Florida, Pensacola, FL, Oct. 7.

**Dzwonkowski, B.** (2009) Synoptic observations and analyses of surface current measurements from HF radar in the central Mid-Atlantic Bight, Dauphin Island Sea Lab Seminar Series, Dauphin Island, AL, May 4.

## Presentations

**Dzwonkowski, B**., Park, K., and Jiang, L., (2012) Across-shelf surface transport and velocity structure on the Alabama shelf, American Geophysical Union Ocean Science Meeting, Salt Lake City, UT, Feb. 21.

**Dzwonkowski, B.**, and Park. K., (2011), Subtidal circulation on the Alabama shelf during the Deepwater Horizon oil spill, National Science and Technology Council's Joint

Subcommittee on Ocean Science and Technology Deep water Horizon Oil Spill Principal Investigator Conference, St. Petersburg, FL, Oct. 5.

**Dzwonkowski, B**., Park, K., and Jiang, L., (2011) Across-shelf surface transport and velocity structure on a coastal shelf directly influenced by estuarine outflow. Northern Gulf Institute Conference, Mobile, AL, May.

**Dzwonkowski, B.**, Carassou, L., Drymon, M, Park, K., Hernandez, F.J., Graham, W.M., and Powers, S.P. (2011) Impact of fresh water variability on physical and biological aspects of the marine system on the northeastern Gulf of Mexico. American Society of Limnology and Oceanography Aquatic Science Conference, San Juan, PR, Feb.

**Dzwonkowski, B.**, Park, K., Ha, H.K., Graham, W.M., Hernandez, F.J., and Powers, S.P. (2010) The influence of Mobile Bay on the hydrographic variability of the inner Alabama shelf, Alabama-Mississippi Bays and Bayous Symposium, Mobile, AL, Dec

**Dzwonkowski, B.**, Park, K., and Ha, H.K. (2010). Seasonal currents on the inner Alabama shelf, Northern Gulf Institute Conference, Mobile, AL, May.

**Dzwonkowski, B.**, Park, K., and Ha, H.K. (2010). Hydrographic variability on a coastal shelf directly impacted by estuarine discharge, American Geophysical Union Ocean Science Meeting, Portland, OR, Feb.

**Dzwonkowski, B.** (2009) Synoptic observations and analyses of surface current measurements from HF radar in the central Mid-Atlantic Bight, Dauphin Island Sea Lab Seminar Series, Dauphin Island, AL, May.

Wong, K.-C., **Dzwonkowski**, **B.**, and Ullman, W.J. (2009) Variability of sea level and volume flux in the Murderkill River estuary, Delaware Estuary Science and Environmental Summit, Cape May, NJ, Jan.

**Dzwonkowski, B.** (2008) Tracking flow features in the coastal zone using ocean color and high frequency radar data, 3rd Annual NASA Space Grant Research Symposium, Newark, DE, Nov.

**Dzwonkowski, B.** (2008) The application of HF radar and ocean color data to study surface circulation in the coastal zone, IEEE/OES Chile-US Workshop on Ocean Observation Systems, Vina del Mar, Chile, Nov.

**Dzwonkowski, B.**, Kohut, J, Lipphardt B., and Yan, X.-H. (2008) Seasonal variability in the near surface circulation on the central Mid-Atlantic Bight shelf, Mid-Atlantic Bight Physical Oceanography and Meteorology Meeting, Woods Hole, MA, Sep.

**Dzwonkowski, B.**, Lipphardt B., Kohut, J, Yan, X.-H., and Garvine, R. (2008) Observations of surface layer sub-inertial across-shelf flows on the mid-shelf across-shelf flow of the central Mid-Atlantic Bight, American Geophysical Union Ocean Science Meeting, Orlando, FL, Mar.

**Dzwonkowski, B.** (2007) Signal or Noise: Examining relatively high frequency signals from oddly sampled and gappy data, Ocean/Atmosphere/Remote Sensing Seminar Series, Newark, DE, Dec.

**Dzwonkowski, B.**, Lipphardt B., Kohut, J, Yan, X.-H., and Garvine, R. (2007) Observations of mid-shelf across-shelf flow in the central Mid-Atlantic Bight, Physical Ocean Science and Engineering Seminar Series, Newark, DE, Nov.

**Dzwonkowski, B.**, Lipphardt B., Kohut, J, Yan, X.-H., and Garvine, R. (2007) Description of shelf across-shelf flow in the central Mid-Atlantic Bight, Mid-Atlantic Bight Physical Oceanography and Meteorology Meeting, New Brunswick, NJ, Oct.

**Dzwonkowski, B**. (2006) EOF analysis of sub-tidal surface currents in the MAB, Ocean/Atmosphere/Remote Sensing Seminar Series, Newark, DE, Nov

**Dzwonkowski, B**., and Yan X.-H. (2006) Analysis of inertial and sub-inertial surface currents from high frequency radar in the central mid-Atlantic bight. American Geophysical Union Ocean Science Meeting, Honolulu, HI, Feb.

**Dzwonkowski, B.** (2005) Examination of high frequency radar surface current measurements in the Mid-Atlantic Bight, Ocean/Atmosphere/Remote Sensing Seminar Series, Newark, DE, Nov

**Dzwonkowski, B.**, and Yan, X.-H. (2004) Tracking of a Chesapeake Bay estuarine outflow plume with satellite-based ocean color data, Ocean/Atmosphere/Remote Sensing Seminar Series, Newark, DE, Nov

**Dzwonkowski, B**., and Yan X.-H. (2004) Development and application of a neural network based ocean color algorithm in coastal waters. (OS41B-02) American Geophysical Union Ocean Science Meeting, Portland, OR, Jan.

**Dzwonkowski, B**., and Yan X.-H. (2003) Use of neural networks in coastal ocean color algorithm development. Coastal Zone Conference, Baltimore, MD, Jul.

## Abstracts

**Dzwonkowski, B**., Park, K., and Jiang, L., (2012) Across-shelf surface transport and velocity structure on the Alabama shelf, American Geophysical Union Ocean Science Meeting, Salt Lake City, UT, 21 Feb.

Ross, J.L., Webb, B.M., **B. Dzwonkowski**, Park, K., and Valle-Levinson, A. (2011) Lagrangian observations over a region influenced by the Mobile Bay outflow plume. In: *21st Biennial Conference of the Coastal and Estuarine Research Federation*, Daytona Beach, FL, 6-10 Nov.

**Dzwonkowski, B.**, and Park. K., (2011), Subtidal circulation on the Alabama shelf during the Deepwater Horizon oil spill, National Science and Technology Council's Joint Subcommittee on Ocean Science and Technology Deep water Horizon Oil Spill Principal Investigator Conference, St. Petersburg, FL, 5 Oct.

**Dzwonkowski, B**., Park, K., and Jiang, L., (2011) Across-shelf surface transport and velocity structure on a coastal shelf directly influenced by estuarine outflow. Northern Gulf Institute Conference, Mobile, AL, 18 May.

**Dzwonkowski, B**., Park, K. (Presenter), and Jiang, L., (2011) Across-shelf surface transport and velocity structure on a coastal shelf directly influenced by estuarine outflow. In: The 16th Pacific-Asian Marginal Seas Meeting, Taipei, Taiwan, 1 Apr.

**Dzwonkowski, B.**, Carassou, L., Drymon, M, Park, K., Hernandez, F.J., Graham, W.M., and Powers, S.P. (2011) Impact of fresh water variability on physical and biological aspects of the marine system on the northeastern Gulf of Mexico. American Society of Limnology and Oceanography Aquatic Science Conference, San Juan, PR, Feb.

**Dzwonkowski, B.**, Park, K., Ha, H.K., Graham, W.M., Hernandez, F.J., and Powers, S.P. (2010) The influence of Mobile Bay on the hydrographic variability of the inner Alabama shelf, Alabama-Mississippi Bays and Bayous Symposium, Mobile, AL, Dec

Carassou, L. (Presenter), **Dzwonkowski**, **B.**, Hernandez, F., Park, K., and Powers, S. (2010) Climatic and environmental Controls of fish recruitment in coastal waters dominated by riverine processes, Alabama-Mississippi Bays and Bayous Symposium, Mobile, AL, Dec

Drymon, J.M. (Presenter), Powers, S.P., Dindo, J., **Dzwonkowski, B.**, and Driggers. W.B. (2010) Correspondence between the distribution of some shark species and primary productivity in the Gulf of Mexico across multiple scales. International Conference on Environmental Systems. Nantes, FR, Sep.

Carassou, L. (Presenter), Hernandez, F., **Dzwonkowski**, **B.**, Park, K., and Powers, S. (2010) Relationships between climatic conditions and abundances of juvenile winter-spawned fishes during the last 25 years in Northern Gulf of Mexico, Larval Fish Conference, Santa Fe, NM, Jun.

**Dzwonkowski, B.**, Park, K., and Ha, H.K. (2010). Seasonal currents on the inner Alabama shelf, Northern Gulf Institute Conference, Mobile, AL, May.

**Dzwonkowski, B.**, Park, K., and Ha, H.K. (2010). Hydrographic variability on a coastal shelf directly impacted by estuarine discharge, American Geophysical Union Ocean Science Meeting, Portland, OR, Feb.

**Dzwonkowski, B.** (2009) Synoptic observations and analyses of surface current measurements from HF radar in the central Mid-Atlantic Bight, Dauphin Island Sea Lab Seminar Series, Dauphin Island, AL, May.

Wong, K.-C., **Dzwonkowski**, **B.**, and Ullman, W.J. (2009) Variability of sea level and volume flux in the Murderkill River estuary, Delaware Estuary Science and Environmental Summit, Cape May, NJ, Jan.

**Dzwonkowski, B.** (2008) Tracking flow features in the coastal zone using ocean color and high frequency radar data, 3rd Annual NASA Space Grant Research Symposium, Newark, DE, Nov.

**Dzwonkowski, B.** (2008) The application of HF radar and ocean color data to study surface circulation in the coastal zone, IEEE/OES Chile-US Workshop on Ocean Observation Systems, Vina del Mar, Chile, Nov.

**Dzwonkowski, B.**, Kohut, J, Lipphardt B., and Yan, X.-H. (2008) Seasonal variability in the near surface circulation on the central Mid-Atlantic Bight shelf, Mid-Atlantic Bight Physical Oceanography and Meteorology Meeting, Woods Hole, MA, Sep.

**Dzwonkowski, B.**, Lipphardt B., Kohut, J, Yan, X.-H., and Garvine, R. (2008) Observations of surface layer sub-inertial across-shelf flows on the mid-shelf across-shelf flow of the central Mid-Atlantic Bight, American Geophysical Union Ocean Science Meeting, Orlando, FL, Mar.

**Dzwonkowski, B.** (2007) Signal or Noise: Examining relatively high frequency signals from oddly sampled and gappy data, Ocean/Atmosphere/Remote Sensing Seminar Series, Newark, DE, Dec.

**Dzwonkowski, B.**, Lipphardt B., Kohut, J, Yan, X.-H., and Garvine, R. (2007) Observations of mid-shelf across-shelf flow in the central Mid-Atlantic Bight, Physical Ocean Science and Engineering Seminar Series, Newark, DE, Nov.

**Dzwonkowski, B.**, Lipphardt B., Kohut, J, Yan, X.-H., and Garvine, R. (2007) Description of shelf across-shelf flow in the central Mid-Atlantic Bight, Mid-Atlantic Bight Physical Oceanography and Meteorology Meeting, New Brunswick, NJ, Oct.

**Dzwonkowski, B**. (2006) EOF analysis of sub-tidal surface currents in the MAB, Ocean/Atmosphere/Remote Sensing Seminar Series, Newark, DE, Nov

**Dzwonkowski, B**., and Yan X.-H. (2006) Analysis of inertial and sub-inertial surface currents from high frequency radar in the central mid-Atlantic bight. American Geophysical Union Ocean Science Meeting, Honolulu, HI, Feb.

Young-Heon Jo(Presenter), Yan, X-H. and **Dzwonkowski, B.** (2006) Cell structures of sea surface divergent and convergent plumes (DP/CP) and ocean's response to DP/CP within West Pacific Warm Pool. (OS25C-08), American Geophysical Union Ocean Meeting, Honolulu, HI. Feb.

**Dzwonkowski, B.** (2005) Examination of high frequency radar surface current measurements in the Mid-Atlantic Bight, Ocean/Atmosphere/Remote Sensing Seminar Series, Newark, DE, Nov

**Dzwonkowski, B.**, and Yan, X.-H. (2004) Tracking of a Chesapeake Bay estuarine outflow plume with satellite-based ocean color data, Ocean/Atmosphere/Remote Sensing Seminar Series, Newark, DE, Nov

**Dzwonkowski, B**., and Yan X.-H. (2004) Development and application of a neural network based ocean color algorithm in coastal waters. (OS41B-02) American Geophysical Union Ocean Science Meeting, Portland, OR, Jan.

**Dzwonkowski, B**., and Yan X.-H. (2003) Use of neural networks in coastal ocean color algorithm development. Coastal Zone Conference, Baltimore, MD, Jul.

## Technical Skills

MATLAB – advanced level
C++ - basic level
Fortran – basic level
IDL – basic level
ArcGIS 8 – immediate level

## Society Memberships

American Geophysical Union
American Society of Limnology and Oceanography

## Refereed Journals and Proposals

Continental Shelf Research
Estuarine, Coastal, and Shelf Science
Journal of Marine Systems
National Science Foundation

## Community Service

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| 2012 | Presentation during NOAA's Adopt a Drifter program release day (April 20th) |
| 2012 | Judge for Graduate Student Symposium |
| 2010-2012 | Participated in Discovery Day at Dauphin Island Sea Lab (Apr) |
| 2010 | Participated in NSF REU program mentoring undergraduate student (May-Aug). |
| 2010 | Presented a 'Board Walk Talk', Dauphin Island Estuarium (Apr) |
| 2008 | Attended Responsible Conduct in Research Conference (Jan) |
| 2004-2006 | Graduate Student Senator |
| 2001-2005 | Coast Day, a University of Delaware supported community awareness program (Oct) |
| 2000-2009 | Surfrider Foundation Member |

## Collaborators

Howden, Stephan (University of Southern Mississippi)
Jiang, Lide (NOAA /NESDIS/STAR)
Jo, Young-Heon (The Center for Remote Sensing, University of Delaware)
Kohut, Josh (Coastal Ocean Observation Lab, Rutgers State University)
Lipphardt, Bruce (University of Delaware)
Park, Kyeong (University of South Alabama)
Russ, Samuel (University of South Alabama)
Ullman, William (University of Delaware)
Valle-Levinson, Arnoldo (University of Florida)
Wong, Kuo (University of Delaware)
Webb, Brett (University of South Alabama)
Xu, Kehui (Coastal Carolina University)
Yan, Xiao-Hai (The Center for Remote Sensing, University of Delaware)

## Advisors

X.-H. Yan (University of Delaware) for M.S. and Ph.D.
K.C. Wong and W.J. Ullman (Post-doc, University of Delaware)
K. Park and W.M. Graham (Post-doc, Dauphin Island Sea Lab)