

Vitae

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Academic History

- Ph.D. Stanford University, Environmental Fluid Mechanics, 2009
M.S. Stanford University, Environmental Fluid Mechanics, 2004
B.S. UCLA, Marine Biology (*major with honors*), Atmospheric and Oceanic Sciences (*minor*), 2000

Positions Held

- Assistant Professor, University of Maryland Center for Environmental Science, Horn Point Laboratory, 2011-present
Adjunct Assistant Professor, University of Maryland College Park, Department of Atmospheric and Oceanic Science, 2012-present
Adjunct Assistant Professor, University of Maryland Center for Environmental Science, 2010-2011
Postdoctoral Scholar, Woods Hole Oceanographic Institution, 2009-2011
Postdoctoral Researcher, Stanford University, 2009
Graduate Research Assistant, Stanford University, 2004-09
Marine Scientist, Sea Engineering, Inc., Santa Cruz, California, 2002-03
Scientific Assistant, Woods Hole Group, Redwood City, California, 2001-02

Post-docs Advised

- N. Berkay Basdurak, 2011

Publications

- Nidzieko, N. J., J. A. Needoba, S. G. Monismith, and K. S. Johnson, 2014: Tidal control of net ecosystem production in a mesotidal estuary. *Estuaries and Coasts*, **37** (Suppl 1), S91–S110, doi:10.1007/s12237-013-9765-2.
- Ganju, N., N. J. Nidzieko, and M. L. Kirwan, 2013: Inferring tidal wetland stability from channel sediment fluxes: observations and a conceptual model. *Journal of Geophysical Research-Earth Surface*, **118**, 1–14, doi:10.1002/jgrf.20143.
- Nidzieko, N. J. and S. G. Monismith, 2013: Contrasting seasonal and fortnightly variations in the circulation of a seasonally-inverse estuary, Elkhorn Slough, California. *Estuaries and Coasts*, **36** (1), 1–17, doi:10.1007/s12237-012-9548-1.
- Nidzieko, N. J. and J. L. Largier, 2013: Inner shelf intrusions of offshore water in an upwelling system affect coastal connectivity. *Geophysical Research Letters*, **40** (20), 5423–5428, doi:10.1002/2013GL056756.
- Ralston, D. K., W. R. Geyer, P. A. Traykovski, and N. J. Nidzieko, 2013: Effects of estuarine and fluvial processes on sediment transport over deltaic tidal flats. *Continental Shelf Research*, **60** (Supplement), S40–S57, doi:<http://dx.doi.org/10.1016/j.csr.2012.02.004>.
- Boicourt, W. C., M. Li, N. J. Nidzieko, A. Blumberg, N. Georgas, E. Kelly, T. Updyke, and W. Wilson, 2012: Observing the urban estuary: Review and prospect. *Oceans*, 2012, IEEE, 1–9.

- Nidzieko, N. J. and D. K. Ralston, 2012: Tidal asymmetry and velocity skew over tidal flats and shallow channels within a macrotidal river delta. *Journal of Geophysical Research-Oceans*, **117** (C03001), doi: 10.1029/2011JC007384.
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- Walter, R. K., N. J. Nidzieko, and S. G. Monismith, 2011: Similarity scaling of turbulence spectra and cospectra in a shallow tidal flow. *Journal of Geophysical Research-Oceans*, **116** (C10019), doi: 10.1029/2011JC007144.
- Nidzieko, N. J., 2010: Tidal asymmetry in estuaries with mixed semidiurnal/diurnal tides. *Journal of Geophysical Research-Oceans*, **115** (C8), doi:10.1029/2009JC005864.
- Monismith, S. G., et al., 2010: Flow effects on benthic grazing on phytoplankton by a Caribbean reef. *Limnology & Oceanography*, **55** (5), 1881–1892.
- Santoro, A. E., N. J. Nidzieko, G. L. Van Dijken, K. R. Arrigo, and A. B. Boehm, 2010: Contrasting spring and summer phytoplankton dynamics in the nearshore Southern California Bight. *Limnology & Oceanography*, **55** (1), 264–278.
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- Monismith, S. G., J. L. Hench, D. A. Fong, N. J. Nidzieko, W. Fleenor, L. Doyle, and G. Schladow, 2009: Thermal variability in a tidal river. *Estuaries and Coasts*, **32** (1), 100–110, doi:10.1007/s12237-008-9109-9.
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- Gross, E., N. J. Nidzieko, M. MacWilliams, and M. T. Stacey, 2008: Parameterization of estuarine mixing processes in the san francisco estuary based on analysis of three-dimensional hydrodynamic simulations. *Proceedings of 10th International Conference on Estuarine and Coastal Modeling*, ASCE.
- Nidzieko, N. J., D. A. Fong, and J. L. Hench, 2006: Comparison of Reynolds stress estimates derived from standard and fast-ping ADCPs. *Journal of Atmospheric and Oceanic Technology*, **23** (6), 854–861.