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Sc.B. (Ocean Engineering), Massachusetts Institute of Technology, 1981; Ph.D. (Physical Oceanography), University of Delaware, 1989

Ocean Engineer, Gianotti & Associates, Annapolis, MD, 1981; Graduate Student, M.I.T./W.H.O.I. Joint Program, Woods Hole, MA, 1981–1983; Environmental Policy Analyst, Savant Associates, Princeton, NJ, 1983–1984; Graduate Research Assistant, University of Delaware, College of Marine Studies, 1984–1989; Postdoctoral Investigator, 1989–1991; Assistant Scientist, 1991–1995; Associate Scientist, 1995–present, tenure awarded, 1999, Woods Hole Oceanographic Institution.

Member, American Association for the Advancement of Science

Member, American Geophysical Union

Member, American Meteorological Society Member, Sigma Xi (Scientific Research Society)

Research Interests: Coastal oceanography, particularly frontal dynamics and observations and modeling of shelfbreak fronts; numerical modeling interdisciplinary aspects of frontal exchange problems; processes in polar shelves.

Author or co-author of 34 refereed scientific publications.

Publications

- Garvine, R. W., K. C. Wong, G. G. Gawarkiewicz, R. K. McCarthy, R. W. Houghton and F. Aikman III, 1988. The morphology of shelfbreak eddies. *Journal of Geophysical Research*, **93**(C12), 15,593–15,607.
- Garvine, R. W., K.-C. Wong and G. G. Gawarkiewicz, 1989. Quantitative properties of shelfbreak eddies. *Journal of Geophysical Research*, **94**(C10), 14,475–14,483.
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- Chapman, David C., and Glen Gawarkiewicz, 1995. Offshore transport of dense shelf water in the presence of a submarine canyon. *Journal of Geophysical Research*, **100**, 13,373–13,387.
- Gawarkiewicz, Glen and David C. Chapman, 1995. A numerical study of dense water formation and transport on a shallow, sloping continental shelf. *Journal of Geophysical Research-Oceans*, **100**(C3), 4489–4507.

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- Gawarkiewicz, Glen, Timothy G. Ferdelman, Thomas M. Church and George W. Luther, III., 1996. Shelfbreak frontal structure on the continental shelf north of Cape Hatteras. *Continental Shelf Research*, **16**, 1751–1773.
- Chapman, David C., and Glen Gawarkiewicz, 1997. Shallow convection and buoyancy equilibration in an idealized coastal polynya. *Journal of Physical Oceanography*, **27** (4), 555–566.
- Gawarkiewicz, Glen, Christopher Linder, James F. Lynch, Arthur Newhall and James J. Bisagni, 1998. A surface-trapped intrusion of slope water onto the continental shelf in the Middle Atlantic Bight. *Geophysical Research Letters*, **23**, 3763–3766.
- Gawarkiewicz, Glen, Thomas Weingartner and David C. Chapman, 1998. Sea-ice processes and water mass modification and transport over Arctic Shelves. In: *The Sea*, Vol. 10, The Global Coastal Ocean: Processes and Methods, K. H. Brink and A. R. Robinson, editors, Wiley Interscience, New York, 171–190.
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- Gawarkiewicz, Glen, 2000. Effects of ambient stratification and shelf break topography on offshore transport of dense water on continental shelves. *Journal of Geophysical Research*, **105**(C2), 3307–3324.

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- Lynch, J., A. Newhall, B. Sperry, G. Gawarkiewicz, A. Friedrichs, P. Tyack, C. S. Chiu. Spatial and temporal variations in acoustic propagation characteristics at the New England Shelfbreak front. *IEEE Journal of Oceanic Engineering*, submitted.
- Gawarkiewicz, G. J. Wang, M. Caruso, S. Ramp, K. Brink, and F. Bahr. Inter-annual variability of shelfbreak thermohaline and velocity fields in the ASIAEX study region: Contrasting spring 2000 and 2001. *Journal of Oceanic Engineering*, submitted.

Non-refereed Publications

- Gawarkiewicz, G., and R. Garvine, 1985. Variability in the hydrography and current field at the shelfbreak front south of New England, Part II: Lagrangian Currents. *Eos, Transactions, American Geophysical Union*, **66**, p. 281–282 (abstract).
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- Gawarkiewicz, G., T. M. Church, G. Luther and T. Ferdelman, 1991. An example of Gulf Stream water on the Continental Shelf north of Cape Hatteras. *Eos, Transactions, American Geophysical Union*, **73**, p. 162–183.
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- Torres, D., R. Pickart and G. Gawarkiewicz. On the structure and dynamics of a meander on the shelfbreak jet in the Mid-Atlantic Bight, abstract, AGU Ocean Sciences Meeting, San Diego, February, 1998.
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Thesis and Technical Report

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Gawarkiewicz, Glen G., 1989. Linear stability models of shelfbreak fronts. Ph.D. Thesis, University of Delaware, 166 p.