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Professional Preparation:

University of South Carolina	Marine Science (Cum Laude)	B.S.	1981
University of South Carolina	Geology	M.S.	1985
University of Washington	Oceanography	Ph.D.	1993
University of Washington	Applied Physics Laboratory	Postdoc	1993/4
Woods Hole Ocean. Inst.	Physical Oceanography	Postdoc	1994/5

Appointments:

2000-present	Assistant professor, University of North Carolina
1998 - present	Adjunct assistant professor, University of Georgia
1996 - 2000	Assistant professor, Skidaway Institute of Oceanography
1994 - 1995	Institutional postdoctoral scholar, Woods Hole Oceanographic Institution
1993 - 1994	Postdoc investigator, Applied Physics Laboratory, University of Washington
1987 - 1993	Predoc researcher, Applied Physics Laboratory, University of Washington
1984 - 1987	Associate, Wilmot & Associates (oceanographic consulting), Columbia, SC
1982 - 1985	Research and teaching assistant, University of South Carolina

Some Recent Publications:

Seim, H.E., J. Blanton and T. Gross, 2001. Direct stress measurements on a shallow, sinuous estuary, *Continental Shelf Research*, in press.

Winters, K. B. and H. E. Seim. 2000. The role of dissipation and mixing in exchange flow through a contracting channel. *J. Fluid Mech*, **407**, 265-290.

Winters, K. B., H. E. Seim and T. D. Finnigan. 2000. Simulation of non-hydrostatic, density-stratified flow in irregular domains. *Int. Journal of Numerical Methods in Fluids*, **32**, 263-284.

Seim, H. E., 2000. Implementation of the South Atlantic Bight Synoptic Offshore Observational Network. *Oceanography*, **13**, 18-23.

Seim, H. E., D. P. Winkel, G. Gawarkiewicz and M. C. Gregg. 1999. A benthic front in the Straits of Florida and its relationship to the structure of the Florida Current. *J. Phys. Oceanogr.* **29**, 3125-3132.

Seim, H.E. 1999. Acoustic backscatter from salinity microstructure. *J. Atmos. Ocean. Tech.*, **16**, 1991-1998.

Seim, H. E. and M. C. Gregg. 1997. The importance of aspiration and channel curvature in producing strong vertical mixing at a sill. *J. Geophys. Res.*, **102**, 3451-3472.

Seim, H. E. and M. C. Gregg. 1995. Energetics of a naturally occurring shear instability. *J. Geophys. Res.*, **100**, 4943-4958.

Seim, H. E., M. C. Gregg, and R. T. Miyamoto. 1995. Acoustic backscatter from turbulent microstructure. *J. Ocean. Atmos. Tech.*, **12**(2), 367-380.

Seim, H. E. and M. C. Gregg. 1994. Detailed observations of a naturally occurring shear instability, *J. Geophys. Res.*, **99**, 10049-10073.

Other Activities:

Development of software to process shipboard mounted ADCPs in shallow water

Sponsor engineering undergraduate student from University of Western Australia participation in estuarine research program

Development of SABSOON, a real-time coastal ocean observing system, that makes observations available to the public via a web site

Fellow of the Cooperative Institute for Climate and Ocean Research

Collaborators and Other Affiliations:

(i) Collaborators (not listed above).

Jim Ledwell, Tim Duda, Dennis McGuillicuddy, WHOI; James Nelson, Richard Jahnke, G.-A. Paffenhöfer, SkIO; Lin, Guoqing, NOAA/UCAR; Dan Lynch, Chris Namie, Dartmouth; Moran, Mary Ann, UGA; Charlie Barans, SCDNR; Richard Zepp, USEPA

(ii) Graduate and Post Doctoral Advisors.

Michael Gregg, APL/UW (Graduate Advisor);
Glen Gawarkiewicz and John Toole, WHOI (Postdoc Advisors)

(iii) Thesis Advisor and Postgraduate-Scholar Sponsor.

Guoqing Lin, Postdoc