

David S. Hosom

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Education:

E. E., University of Cincinnati, 1957; M.S., Long Island University, 1971 (Marine Science); M.S.E.E., Polytechnic Institute of Brooklyn, 1963; Registered Professional Engineer.

Positions held:

Research Specialist, 1985–1989, Department of Applied Ocean Physics and Engineering;
Research Specialist, 1989–1991; Senior Engineer, 1991–2000; Principal Engineer, 2000--present, Department of Physical Oceanography, Woods Hole Oceanographic Institution.

Control Systems Engineer, 1957–1959, Crosley Division of Avco, Cincinnati, Ohio; Design Engineer, 1959–1961, Sperry Gyroscope Company, Lake Success, New York; Design Engineer, 1961–1963, Airborne Instrument Laboratory, Deer Park, New York; Assistant Program Manager, 1963–1971, Ocean Systems Department, Grumman Aerospace Corporation, Bethpage, New York.

Research Associate, 1971–1979, Department of Applied Ocean Physics and Engineering, Woods Hole Oceanographic Institution; Chief Engineer, 1979–1985, Benthos, Inc., North Falmouth, Massachusetts.

Research Interests:

Systems engineering, program management, oceanographic instrumentation design, deep submergence electrical systems design.

I provide the expertise in the areas noted with special emphasis on the ASIMET modules used by the Upper Ocean Processes (UOP) group buoy and VOS (Volunteer Observing Ship) systems. Geoff Allsup and I are a team (Design Group for Electronics - DGE) that provide design and subcontractor support for Star Engineering Inc that provides ASIMET instrumentation to the world market under license to WHOI. I also provide proposal writing support for the UOP group headed by Dr. Robert Weller.

Publications:

Hosom, D. S., G. H. Crescenti, C. L. Winget, J. F. Price, S. Weisman, and D. P. Doucet, 1991. An intelligent chilled mirror humidity instrument, D10IQ. *Journal of Atmospheric and Oceanic Technology*, **8**, 585–596 pp.

Sholkovitz, E. R., G. Allsup, R. Arthur, and D. S. Hosom, 1998. Development of an autonomous aerosol sampler for ocean buoys and land sites. *Woods Hole Oceanographic Institution Technical Report WHOI-98-01*, 93 pp.

Hosom, D., R. Weller, G. Allsup, S. Anderson, and R. Trask, 1999. Upgraded Vector Measuring Current Meter. *Marine Technology Society Conference Oceans '99*, Seattle, Washington, September 1999.

Hobart, E., G. Allsup, D. Hosom, and Tom Baldasane, 2000. Acoustic Modem Unit. *Oceans 2000*, Providence, Rhode Island, September 2000.

Hosom, D., R. Weller, 2001. A Climate Quality Data Collection System for Voluntary Observing Ships. *American Meteorology Society, February 2001*, Albuquerque, New Mexico, Session 2.6.

Collaborators within the last four years: R. Weller, WHOI; E. Sholkovitz, WHOI

Graduate Advisor: David Price, Long Island University

Ph. D. Students Advised: None

Post-Docs Supervised: None

Synergistic Activities: Bagpipes