

Geoffrey P. Allsup

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Education:

Two semesters, Brown University, 1974–1975.

Positions held:

Research Engineer 2000–present, Physical Oceanography Department; Woods Hole Oceanographic Institution.
Engineer II, 1991–2000, Physical Oceanography Department; WHOI
Research Associate, 1989–1991, Applied Ocean Physics and Engineering Department; WHOI
Software Engineer, EG&G Ocean Products, 1987–1989.
Research Assistant III, Ocean Engineering, Woods Hole Oceanographic Institution, 1986–1987;
Electrical Test Supervisor, Neil Brown Instrument Systems, 1982–1986;
Chief Technician, Mobilphone Paging–Radio Corp, 1978–1982;

Publications:

Sholkovitz, E., G. Allsup, R. Arthur, and D. Hosom, 1998. Aerosol Sampling from Ocean Buoy. *EOS Transaction, American Geophysical Union*, **79**(3).

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

Hobart, E., G. Allsup, D. Hosom, and T. Baldassarre, 2000. Acoustic Modem Unit. *Proceedings of the Oceans 2000 MTS/IEEE Conference*, Providence, Rhode Island, September 2000.

Sholkovitz, G. Allsup, D. Hosom, and M. Purcell, 2001. An autonomous aerosol sampler/elemental analyzer designed for ocean buoys and remote land sites. *Atmospheric Environment* (**35**) 16, pp. 2969–2975.

Hints, E. J., G. P. Allsup, C. F. Eck, D. S. Hosom, M. J. Purcell, A. A. Roberts, D. R. Scott, E. R. Sholkovitz, W. T. Rawlins, P. A. Mulhall, K. Lightner, W. W. McMillan, J. Song, and M. J. Newchurch, 2004. New Ozone Measurement Systems for Autonomous Operation on Ocean Buoys and Towers. *Journal of Atmospheric and Oceanic Technology*, **21**, 1007–1016.

Research Interests:

Embedded systems engineering (integrated, custom hardware and software design); real-time, low-power, embedded microprocessor applications in scientific instrumentation and sampling systems (for long-term deployment on battery power); computer systems for real-time data acquisition and analysis.