

Peter C. Lemmond

- Professional Interests**
- Development of software tools and systems for the complete life cycle of oceanographic data.
 - Operation and development of ocean mapping systems.
 - At-sea data acquisition, real-time display, and data and metadata archiving of marine geophysical data.
- Education**
- Bachelor of Science, 1978, Lehigh University, Bethlehem, PA. Major is Civil Engineering, Minor in Computer Science, Emphasis on Geotechnical Engineering.
- Graduate level courses and research in Ocean Engineering, University of Rhode Island, Kingston, RI. 1978-1981.
- Professional Experience**
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| 1990 to Present | Research Associate, Department of Geology and Geophysics, Woods Hole Oceanographic Institution. Promoted to Research Associate III, May 1978. |
| 1988 to 1991 | Manager of Software Development, Ocean State Instruments Corporation, Saunderstown, RI. |
| 1984 to 1991 | Marine Research Specialist V, Graduate School of Oceanography, University of Rhode Island. |
| 1981 to 1984 | Programmer Analyst, Graduate School of Oceanography, University of Rhode Island. |
- Publications**
- Tyce, R., Lemmond, P., and Ferguson, S., "NECOR Sea Beam Data Collection and Processing Development," Marine Technology Society Journal, June 1987.
- "First Results from a New Generation of Multibeam Sonars," Chayes, D.N. and Lemmond, P.C., Abstract/Poster for 1994 Fall Meeting of American Geophysical Union.
- "MapTool Version 2 User's Manual," Woods Hole Oceanographic Institution Technical Report, WHOI-94-17, 1994.

"Comparing Multibeam Bathymetric System Performance," D.N. Chayes, P. Lemmond, H. Kennedy, *Sea Technology*, Volume 37, Number 6, June 1996.

"New SeaBeam System use on R/V KNORR," P. Lemmond and B. Walden, *UNOLS News*, Volume 13, Number 2, September 1996.

Smith, D.K, and P. Lemmond, "Oceanographic Telecommuting: Going to Sea Virtually," *EOS*, v86, p333, 2005.

"Next Step toward Multi-Institution Archiving of Shipboard and Deep Submergence Vehicle Data," R. Detrick, D. Clark, A. Gaylord, R. Goldsmith, J. Helly, P. Lemmond, S. Lerner, A. Maffei, S. Miller, C. Norton, B. Walden, *AGU Abstract and Poster IN51A-0306*, December 2005.

Seagoing Experience

Participation in over seventy-five research, engineering, and survey cruises aboard academic, government, military, commercial, and international vessels.

Other Activities

- Operation of WHOI Multibeam Bathymetry Data Archive, 1996 to present.
- Management of WHOI Ocean Bottom Seismometer Pool computing and IT infrastructure, 2001 to present.
- WHOI Cyberinfrastructure Committee, 2005.
- Introduction to XML, WHOI Staff Training and Development course, 2005.
- UNOLS Arctic Icebreaker Coordinating Committee's Multibeam Evaluation Team, 2000-2001.