

Eugene John Molinelli, Ph.D., Esq.

BAR MEMBERSHIPS

Registered Patent Attorney
Member of the Virginia Bar

EDUCATION

GEORGE MASON UNIVERSITY SCHOOL OF LAW, Arlington, Virginia

J.D. December 1997 (Night Division).

Intellectual Property Track courses: Patent Law; PTO Practice; Theory of Intellectual Property; Trademarks; Patent Infringement; Patent Damages; Electrical/Mechanical Patent Practice; Copyright; and Patent and Know-How Licensing. CLASS RANK: 14/182.
Selected for Law Review, 1995.

COLUMBIA UNIVERSITY, New York City, New York

Ph.D. May 1979, Ocean Physics (Physical Oceanography).

M.Phil. 1977, M.A. 1974.

National Science Foundation Antarctic Service Medal, 1978.

Graduate Research Assistantship, Columbia University, 1975–1978.

Faculty Fellowship, Columbia University, 1973–1974.

Sigma Xi, Columbia University, 1973.

UNIVERSITY OF NOTRE DAME, Notre Dame, Indiana

B.S. Summa cum laude, Physics, 1973.

Phi Beta Kappa, University of Notre Dame, 1973.

National Science Foundation Summer Fellowship, Argonne National Laboratory, 1972.

Editor-in-chief, Notre Dame Science Quarterly, 1971–1972.

PROFESSIONAL EXPERIENCE

Partner, Evans & Molinelli PLLC, Clifton, Virginia, 2003–2009, 2011–present.

Prosecute patent applications in computer and network hardware and software, information processing, sensors, actuators, and medical devices for Fortune 500 companies and leading U.S. research universities. Provide IP counseling and patent opinions.

Partner, Dithavong Mori & Steiner, PC, Alexandria, Virginia, 2009–2010.

Prosecute patent applications in computer and network hardware and software, information processing, sensors, actuators, and medical devices for Fortune 500 companies and leading U.S. research universities. Provide IP counseling and patent opinions.

Solo Practice as Eugene J. Molinelli, Ph.D., Esq., Clifton, Virginia, 2000–2003.

Prosecute patent applications in computer and computer network hardware and software, including applications in database and internet software for major U.S. firms, and applications in sensors, actuators, and information processing for major university laboratories. Perform intellectual property due diligence. Provide IP counseling.

Associate, McDermott, Will & Emery, Washington, D.C., 1998–2000.

Prosecute patent applications in physical sensors, lasers, telecommunications, and computer hardware and software, including database, internet, and financial business methods. Counsel clients and write patentability and validity and scope opinions.

Associate, Jones & Volentine, Reston, Virginia, 1998.

Prosecute patent applications in the semiconductor device fabrication and computer software arts.

Physics Consultant, Clifton, Virginia, 1996–2003.

Provide subject matter expertise on projects requiring measurement and computer analysis of Earth's properties and review of electromechanical measurement devices.

Deputy Director, McLean Group of the Environmental Sciences Division, Planning Systems Incorporated, McLean, Virginia, 1982–1996.

Supervise personnel and facilities. Perform applied research in environmental sampling, measurement error, statistical analysis, and database design and development.

Scientist, Ocean Physics Division, Science Applications International Corporation, McLean, Virginia, 1979–1982.

Design and develop global databases of oceanic physical properties.

Graduate Research Fellowship, The Lamont Doherty Earth Observatory of Columbia University, Palisades, New York, 1975–1979.

Graduate-level study of the dispersion of properties in the environment.

Graduate Teaching Assistant, Department of Geophysics, Columbia University, New York, New York, 1973–1975.

Summer Research Associate, Argonne National Laboratory, Chicago, Illinois. 1972.

Solid State Physics Department, diffusion in solids.

SPECIAL SCIENTIFIC RECOGNITION

Small Business Innovative Research Awards from:

- Advanced Research Projects Agency Technology Transfer Program, for the use of micro-electro-mechanical systems in tactical oceanographic measurements, 1994.
- National Marine Fisheries Service of National Oceanic and Atmospheric Administration, for the application of neural networks and principal components to monitoring oceanic upwelling, 1992.
- Naval Research Laboratory, for neural network detection of the Gulf Stream in images of sea surface temperature, 1988.
- Naval Research Laboratory, for physical sediment modeling to predict acoustic reflection loss from seafloor sediments, 1985.

Commonwealth of Virginia Small Business Technology Trailblazers Award, 1986.

COMPUTER EXPERIENCE

Programming/markup languages: JAVA, XML, HTML, C++, C, FORTRAN, and HP assembly.

BIBLIOGRAPHY (Selected from over 50 reports and publications)

“Software Protection Options and Open Source.” Presentation at the Memorial Sloan Kettering Cancer Center Seminar, New York, NY, 2004.

“Invention and Inventorship.” Presentation at the Johns Hopkins University Applied Physics Laboratory, Technology Transfer Seminar, Laurel, MD, November 1999.

Molinelli, E., J. Walrod, and J. Murphy. “A Vertical Wire with MEMS Conductivity/Temperature/Pressure Sensors as a Distributed Micro/Mini Sensor System to Perform Tactical Oceanographic Monitoring in Littoral Areas.” Technical Report for the Advanced Research Projects Agency, Marine Systems Technology Office, Planning Systems, McLean, VA, August 1995.

Molinelli, E., M. Kennelly, G. Muncill, and D. Ondercin. “Statistical Modeling of Bioluminescence Vertical Structure in the Summer North Atlantic,” Technical Report for The Johns Hopkins University, Applied Physics Laboratory, Planning Systems, McLean, VA, October 1993.

Molinelli, E., G. Muncill, and C. Harpel. “Feasibility of Using Neural Networks in a System to Estimate Upwelling Features.” Final Report for the National Oceanic and Atmospheric Administration, Planning Systems, McLean, VA, December 1992.

Molinelli, E., G. Muncill, and K. Pepe. “Progress with Neural Network Gulf Streams.” *Proceedings of the Automated Interpretation of Oceanographic Satellite Imagery Workshop*, ed. M. Lybanon, Naval Research Laboratory, Stennis Space Center, MS, February 1991.

Molinelli, E., M. Kennelly, and K. Bush. “Exuma Sound Ocean Current Analysis.” Technical Report for U.S. Navy, David Taylor Research Center Planning Systems, McLean, VA, January 1990.

Teague, W., M. Carron, and E. Molinelli. “A New System for Management of the ‘Master Oceanographic Observation Data Set’ (MOODS).” *EOS, Transactions of the American Geophysical Union* 68, no. 22 (2 June 1987): 553, 558–9.

Gordon, A., and E. Molinelli. *Southern Ocean Atlas: Thermohaline and Chemical Distributions*. New York: Columbia University Press, 1982.

Molinelli, E. “The Antarctic Influence on Antarctic Intermediate Water.” *Journal of Marine Research* 39 (1981): 267–93.

Molinelli, E., “Isohaline Thermoclines in the Southeast Pacific Ocean,” *Journal of Physical Oceanography* 8 (1978): 1139–45.

Taylor, H., A. Gordon, and E. Molinelli. “Climatic Characteristics of the Antarctic Polar Front Zone.” *Journal of Geophysical Research* 83, no. C9 (1978): 4572–78.

Gordon, A., E. Molinelli, and T. Baker. “Large-Scale Relative Dynamic Topography of the Southern Ocean.” *Journal of Geophysical Research* 83, no. C6 (1978): 3023–32.