

Glenn McDonald

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EDUCATION:

B.S. Mechanical Engineering / Design Concentration
Rensselaer Polytechnic Institute, Troy, NY, May 1996

A.S. Engineering
Gavilan College, Gilroy, CA, June 1994

Commercial Diving Certification
Coastal School of Deep Sea Diving, Oakland, CA, June 1987

PROFESSIONAL EXPERIENCE:

Research Engineer, September 2005 – present, Woods Hole Oceanographic Institution, Woods Hole, MA.

Engineer II, June 1998 – August 2005, WHOI

Engineer I, August 1996 – June 1998, WHOI

Engineering Assistant, Summer 1995, WHOI

Commercial Diver, 1987-1993

U.S. Navy, 1982-86

RESEARCH INTERESTS:

Mechanical design, fabrication, and testing of oceanographic equipment including instrument development, instrument-level thermal management, use of finite element analysis in mechanical design, diver-assisted systems and equipment, deepwater ceramic pressure vessels and camera housings.

PROFESSIONAL AFFILIATIONS/ACTIVITIES:

Member, ASME, 1996-present
Member, AOP&E Safety Committee, 2004-present
WHOI Science Diver

PUBLICATIONS:

The Nereus Hybrid Underwater Robotic Vehicle for Global Ocean Science Operations to 11,000m Depth
Andrew D. Bowen, Dana R. Yoerger, Chris Taylor, Robert McCabe, Jonathan Howland, Daniel Gomez-Ibanez, James C. Kinsey, Matthew Heintz, Glenn McDonald, Donald B. Peters, Barbara Fletcher, Chris Young, James Buescher, Louis L. Whitcomb, Stephen C. Martin, Sarah E. Webster, Michael V. Jakuba. October 2008.

Dr. Jerry Stachiw, D.Peters and G. McDonald, *External Pressure Housings*.
Oceans 2006 conference paper, September 2006.

Glenn McDonald and Matt Naiman, *Heat-transfer Advances for Submerged Oceanographic Systems*.
Oceans 2002 conference paper, October 2002.

Don Peters and Glenn McDonald, *Mechanical Systems for the Portable Coastal Observatory*.
ONR/MTS Buoy Workshop, May 2000.

PROFESSIONAL TALKS:

Glenn McDonald and Matt Naiman, *Heat-transfer Advances for Submerged Oceanographic Systems*. Oceans 2002 conference paper, October 2002.