BRENDAN PATRICK FOLEY

ADDRESS

Woods Hole Oceanographic Institution
Deep Submergence Laboratory
Blake Bldg - Mail Stop #7
266 Woods Hole Rd.
Woods Hole, MA 02543
tel: 508.289.3766
email: bfoley@whoi.edu

EDUCATION

- **Massachusetts Institute of Technology** Doctor of Philosophy, 2003: History and Archaeology of Technology
- **University of Southampton** Master of Science, 1996: Maritime Archaeology
- **Tufts University** Master of Arts, 1995: History. Fields of study: Social and Economic History of Maritime America, 1580-1860
- **University of New Hampshire** Bachelor of Arts, 1991: History

PROFESSIONAL EXPERIENCE

- 2011-present **Woods Hole Oceanographic Institution:** Research Specialist, Deep Submergence Laboratory, Department of Applied Ocean Physics and Engineering
- 2006-2011 **Woods Hole Oceanographic Institution:** Research Associate III, Deep Submergence Laboratory, Department of Applied Ocean Physics and Engineering
- 2005-2011 **Massachusetts Institute of Technology:** Visiting Scholar, Program in Science, Technology, and Society
- 2002-2012 **Commonwealth of Massachusetts Board of Underwater Archaeological Resources:** Maritime Archaeologist
- 2007-2009 **Massachusetts Institute of Technology:** Lecturer in Ethics of Scientific Practice, STS.011 "American Science: Ethical Conflicts and Political Choices"
- 2004-2005 **Massachusetts Institute of Technology:** Lecturer in the History of Technology, STS.001 "Technology in American History"
- 2004-2005 **Woods Hole Oceanographic Institution:** Postdoctoral Investigator, Department of Applied Ocean Physics and Engineering
- 2003-2004 **Woods Hole Oceanographic Institution:** Postdoctoral Fellow, Marine Policy Center and Department of Applied Ocean Physics and Engineering

PUBLICATIONS

ARTICLES AND CHAPTERS

- B. Foley, M. Hansson, D. Kourkoumelis, T. Theodoulou, "Aspects of Ancient Greek trade re-evaluated with amphora DNA evidence" *Journal of Archaeological Science* 39 (2012): 389-398 doi:10.1016/j.jas.2011.09.025.
- B. Bingham, B. Foley, H. Singh, R. Camilli, K. DellaPorta, R. Eustice, A. Mallios, D. Mindell, C. Roman, D. Sakellariou, "Robotic Tools for Deep Water Archaeology: Surveying an Ancient Shipwreck with an Autonomous Underwater Vehicle" *Journal of Field Robotics* (June 2010) doi:10.1002/rob20350.
- B.P. Foley, K. DellaPorta, D. Sakellariou, B. Bingham, R. Camilli, R. Eustice, D. Evagelistis, V. Ferrini, M. Hansson, K. Katsaros, D. Kourkoumelis, A. Mallios, P. Micha, D. Mindell, C. Roman, H. Singh, D. Switzer, T. Theodoulou, "The 2005 Chios Ancient Shipwreck Survey: New Methods for Underwater Archaeology" *Hesperia* 78 (2009): 269-305.
- B. Foley, "Greek Deepwater Survey" in J. Delgado (ed.), "Nautical and Maritime Archaeology, 2006-2007 Seasons" *American Journal of Archaeology* 112.2 (April 2008).

- M. Hansson and B. Foley, "Ancient DNA fragments inside Classical Greek amphoras reveal cargo of 2400-year-old shipwreck" *Journal of Archaeological Science* 35.5 (May 2008): 1169-1176.
- R. Camilli, D. Sakellariou, B. Foley, C. Anagnostou, A. Malios, B. Bingham, R. Eustice, J. Goudreau, K. Katsaros. 2007. "Investigation Of Hydrothermal Vents In The Aegean Sea Using An Integrated Mass Spectrometer And Acoustic Navigation System Onboard A Human Occupied Submersible" *Rapp. Comm. int. Mer Médit*., 38.
- B. Foley and R.D. Ballard, "Amphora Alleys I and II" in A.M. McCann, et al., *Deep-Water Shipwrecks off Skerki Bank: The 1997 Survey*. *Journal of Roman Archaeology Supplementary Series Number 58* (Portsmouth, Rhode Island: 2004).
- J. Manley and B. Foley, "Deep Frontiers, Ocean Exploration in the 20th Century" in Daniel Finamore (ed.), *Maritime History as World History: New Perspectives on Maritime History and Nautical Archaeology* (Gainesville: University Press of Florida, 2004).
- B. Foley and D. Mindell, "Precision Survey and Archaeological Methodology in Deep Water" *ENALIA Annual Journal of the Hellenic Institute of Marine Archaeology* Vol. VI (2002): 49-56.
- R. D. Ballard, F, T. Hiebert, D. F. Coleman, C. Ward, J. Smith, K. Willis, B. Foley, K. Croff, C. Major, and F. Torre, "Deepwater Archaeology of the Black Sea: The 2000 Season at Sinop, Turkey" *American Journal of Archaeology* Vol. 105 No. 4 (October 2001).
- B. Foley, "Slaves in the American Maritime Economy, 1638-1865: Economic and Cultural Roles" *The Dolphin, Quarterly Publication of the Long Island Maritime Museum* Vol. 32 Nos. 1 & 2 (Winter and Spring 2001).
- H. Singh, D. Mindell, B. Foley, J. Adams, "Imaging for Underwater Archaeology," *Journal of Field Archaeology* Vol. 27 No. 3 (Fall 2000).
- R.D. Ballard, A.M. McCann, D.R. Yoerger, L.L. Whitcomb, D. A. Mindell, J. Oleson, H. Singh, B. Foley, J. Adams, and D. Piechota, "The Discovery of Ancient History in the Deep Sea Using Advanced Deep Submergence Technology," *Deep Sea Research I*, Vol. 47 (2000): 1591-1620.

BOOK REVIEWS AND OTHER PUBLICATIONS

- B. Foley, "Αρχαία ελληνικά ναυάγια στα βάθη της Μεσογείου" *ΑΩ The Journal of the Alexander Onassis Public Benefit Foundation* Vol. 44 (2009): 36-39.
- George Bass (ed.), *Beneath the Seven Seas: Adventures with the Institute of Nautical Archaeology* (Thames and Hudson, London 2005). In: *AJA* Online Reviews 111.4 (October 2007): http://ajaonline.org/onlinebookreviews
- Brian Hicks and Schuyler Kropf, *Raising the Hunley: The Remarkable History and Recovery of the Lost Confederate Submarine* in *Virginia Magazine of History and Biography* Volume 110 No. 1 (Fall 2002).
- Jack D. Coombe, *Gunsmoke Over the Atlantic: First Naval Actions of the Civil War* in *Virginia Magazine of History and Biography* Volume 110 No. 1 (Fall 2002).

AWARDS AND HONORS

- 2012-2014 Malcolm H. Wiener Foundation grant – "Maritime Archaeology Survey 2012-2014 West and Southwest Crete / western Cretan Strait"
- U.S. State Department Agreement Number S-LMAQM-11-CA-1018 – "Algerian Underwater Investigation: Earthquake Hazard Assessment and Submerged Cultural Heritage Survey"
- 2010-2011 National Oceanic and Atmospheric Administration Office of Ocean Exploration and Research Grant # NA10OAR0110188 – "AUV and Diver Archaeological Survey of Greek Marine Park"
- 2009-2011 National Oceanic and Atmospheric Administration Office of Ocean Exploration and Research Grant # NA09OAR4600083 – "Ancient Egyptian Shipwreck Survey with REMUS AUV"

- 2009-20011 National Science Foundation Office of International Science and Engineering Research Grant #0923229 – "US Egypt Cooperative Research: Advanced Underwater Archaeological Survey of the North West Coast of Egypt"
- 2008-2009 Woods Hole Oceanographic Institution Wheeler Award for Ocean Science and Society
- 2008-2009 Archaeological Institute of America, McCann Taggart Lectureship in Underwater Archaeology
- 2008 United States Department of State Certificate of Appreciation for science diplomacy in the People's Democratic Republic of Algeria
- 2005-2006 National Oceanic and Atmospheric Administration Office of Ocean Exploration Grant # NA06OAR4600092 "Autonomous Rapid High Resolution Mapping of Ancient Deep Water Shipwrecks and Geological Features"
- 2002-2003 National Science Foundation, Dissertation Improvement Grant #SES-0220910
- 2002-2003 and 2001-2002 MIT / Dibner Institute for the History of Science and Technology, Graduate Fellowship
- 2000-2001 United States Naval Historical Center, Rear Admiral John D. Hayes Pre-doctoral Fellowship in U. S. Naval History
- 2000 Teknik- och Vetenskapshistoria, Kungl Tekniska Hogskolan, Stockholm, Sweden Visiting Scholar (Royal Institute of Technology)
- 1995-1996 Rotary Foundation Ambassadorial Scholarship, University of Southampton, United Kingdom

ARCHAEOLOGICAL EXPERIENCE

Twenty years experience participating in and directing innovative archaeological research programs with advanced technologies, maritime archaeological survey, and excavation in intertidal zone, shallow water, and deep water. Extensive experience with remote sensing, remotely operated vehicles, autonomous underwater vehicles, human occupied vehicles, technical diving, and international collaboration with colleagues in the United Kingdom, Sweden, Italy, Greece, Turkey, Algeria, Egypt, and Cyprus. Details available upon request.