

Brett W. Hobson
Monterey Bay Aquarium Research Institute
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(a) Professional preparation:

California State University, San Francisco Mechanical Engineering B.S. 1989

(b) Appointments:

2005 – Present Sr Mechanical Engineer, Monterey Bay Aquarium Research Institute
1997-2005 Director of Ocean Engineering, Nekton Research LLC, Durham NC
1993-1997 Director of Operations, Deep Sea Discoveries, Inc., Greenwich Conn.
1989-1993 Mechanical Engineer, Deep Ocean Engineering, San Leandro CA
1985-1989 Owner Operator, Coastal Ocean System, San Rafael CA

(c) Publications:

i. Most relevant to proposed research:

Hobson, B.W., Bellingham, J.G., Kieft, B., McEwen, R., Godin, M., Yanwu Zhang, "Tethys-class long range AUVs - extending the endurance of propeller-driven cruising AUVs from days to weeks," *Autonomous Underwater Vehicles (AUV)*, 2012 IEEE/OES , vol., no., pp.1,8, 24-27 Sept. 2012 doi: 10.1109/AUV.2012.6380735

Hobson, B.W., Sherman, A.D., McGill, P.R., 2010. Imaging and sampling beneath free-drifting icebergs with a remotely operated vehicle. *Deep Sea Research Part II: Topical Studies in Oceanography*. doi:10.1016/j.dsr2.2010.11.006

Sherman, A.D., Hobson, B.W., McGill, P.R., Davis, R.E., McClune, M.C., Smith Jr., K.L., 2010. Lagrangian sediment traps for sampling at discrete depths beneath free-drifting icebergs. *Deep Sea Research Part II: Topical Studies in Oceanography*. doi:10.1016/j.dsr2.2010.11.008

McGill, P.R., Sherman, A.D., Hobson, B.W., Henthorn, R.G., Chase, A.C., Smith, K.L., 2007. Initial Deployments of the Rover, an Autonomous Bottom-Transecting Instrument Platform for Long-Term Measurements in Deep Benthic Environments. *IEEE*, pp. 1–7. doi:10.1109/OCEANS.2007.4449315

Hobson, B., Kemp, M., Le Goff, I., Leonessa, A., 2003. Oscillating fin thrusters for multi-view classification maneuvering on MCM UUVS. *IEEE*, pp. 2167–2169 Vol.4.

(d) Synergistic activities

1. Instructor for biannual IEEE Oceans tutorial AUV Technology and Application Basics course
LeadDevelopment of bottom-transecting vehicle for long time-series benthic measurements

(v) Collaborators & other affiliations

(a) Collaborators [5]

Dr. James Bellingham - Woods Hole Oceanographic Institute
Dr. Russ Davis – Scripps Institute of Oceanography
Dr. Mathieu Kemp – Bluefin Robotics
Dr. Steve Rock – Stanford University
Dr. Ken L. Smith Jr. – MBARI