

## Curriculum Vitae

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### Education

Massachusetts Institute of Technology:  
B.S. in Naval Architecture and Marine Engineering, 1984.  
M.S. in Ocean Systems Management, 1986.  
M.S. in Technology and Policy, 1988.  
Ph.D. in Ocean Systems Management, 1992.

### Professional Experience

Woods Hole Oceanographic Institution, Marine Policy Center:  
*Research Specialist*, 1995-present.  
*Research Associate*, 1992-1995.  
*Research Assistant*, 1988-92.  
*Summer Student Fellow*, 1985.

Massachusetts Institute of Technology, Mechanical Engineering Department:  
*Lecturer*, 2005-2007.

Massachusetts Institute of Technology, Ocean Engineering Department:  
*Lecturer*, 1994-2005.  
*Teaching Assistant*, 1984-88.

Member: Marine Technology Society, Society of Naval Architects and Marine Engineers,  
Tau Beta Pi.

### Published Papers and Reports

H.L. Kite-Powell, L.E. Fleming, L.C. Backer, E. Faustman, P. Hoagland, A. Tsuchiya, L. Younglove, B.A. Wilcox, and R. Gast. Submitted. Linking the oceans to public health: Where is the “human health” in “oceans and human health”? *Environmental Health* .

H.L. Kite-Powell, C.S. Colgan, and R. Weiher. In press. Estimating the economic benefits of regional ocean observing systems. *Coastal Management Journal* .

Talley, W.K., D. Jin, and H.L. Kite-Powell. In press. The US Coast Guard Vessel Inspection Program: A probability analysis. *Maritime Economics and Logistics* .

Jin, D., H.L. Kite-Powell and P. Hoagland. 2007. Anticipating the growth of an ocean aquaculture industry. *Agriculture Economics and Management* 11:225-242.

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Talley, W.K., D. Jin, and H.L. Kite-Powell. 2005. Determinants of crew injuries in vessel accidents. *Maritime Policy and Management* 32(3):263-278.

Talley, W.K., D. Jin, and H.L. Kite-Powell. 2005. Post OPA-90 vessel oil transfer spill prevention: the effectiveness of Coast Guard enforcement. *Environmental and Resource Economics* 30:93-114.

Talley, W.K., D. Jin, and H.L. Kite-Powell. 2004. Post OPA-90 vessel oil spill differentials: transfers versus vessel accidents. *Maritime Policy and Management* 31(3):225-240.

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Hoagland, P., D. Jin, and H.L. Kite-Powell. 2003. The optimal allocation of ocean space: aquaculture and wild harvest fisheries. *Marine Resource Economics* 18:129-147.

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Kite-Powell, H.L., P. Hoagland, D. Jin, and K. Murray. 2003. Economics of open ocean growout of shellfish in New England: sea scallops and blue mussels. Pages 293-306 in Bridger, C. and B. Costa-Pierce, eds., *Open-Ocean Aquaculture: From Research to Reality*. Charleston, SC: World Aquaculture Society.

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Mmochi, A.J., N. Mozes, H.L. Kite-Powell, A.M. Dubi, H. Gordin, N. Jiddwi, G. Kissil, F. Msuya, and J. Mwangamilo. 2002. Design and preliminary results of integrated mariculture pond system at Makoba, Zanzibar. *25 Anniversary Symposium Proceedings, Institute of Marine Science, Zanzibar, Tanzania*.

Jin, D., E. Thunberg, H.L. Kite-Powell and K. Blake. 2002. Total factor productivity change in New England fisheries: 1964-1993. *Journal of Environmental Economics and Management* 44(3):540-56.

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Kite-Powell, H.L. 2001. Marine policy: shipping and ports. In: J. Steele, S. Thorpe, and K. Turekian, eds., *Encyclopedia of Ocean Sciences*. London: Academic Press.

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Goudey, C.A., G. Loverich, H.L. Kite-Powell, and B.A. Costa-Pierce. 2001. Mitigating the environmental effects of mariculture through single-point moorings (SPMs) and drifting cages. *ICES Journal of Marine Science* 58(2):497-503.

Jin, D., H.L. Kite-Powell, and W. Talley. 2001. The safety of commercial fishing: determinants of vessel total losses and injuries. *Journal of Safety Research* 32:209-228.

Kaplan, I. and H.L. Kite-Powell. 2000. Safety at sea and fisheries management: fishermen's attitudes and the need for co-management. *Marine Policy* 24(6):493-498.

Jin, D. and H.L. Kite-Powell. 2000. Historical performance of shipyards in the United States: a dynamic shift-share analysis. *International Journal of Maritime Economics* 2(3):195-216.

Jin, D. and H.L. Kite-Powell. 2000. Optimal fleet utilization and replacement. *Transportation Research - Part E: Logistics and Transportation Review* 36:3-20.

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Kite-Powell, H.L., D. Jin, J. Jebsen, V. Papakonstantinou, and N. Patrikalakis. 1999. Investigation of potential risk factors for groundings of commercial vessels in U.S. ports. *International Journal of Offshore and Polar Engineering* 9(1):16-21.

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National Research Council, Committee on Assessment of Technical Issues in the Automated Nautical Charting System (H.L. Kite-Powell, member). 1996. *Technical issues in NOAA's nautical charting program*. Washington: National Academy Press.

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Kite-Powell, H.L. and A.G. Gaines. 1995. Provisions and evaluation of the IMO performance standard for Electronic Chart Display and Information Systems. *Journal of Maritime Law and Commerce* 26(2):197-214.

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Broadus, J., P. Hoagland, and H.L. Kite-Powell. 1988. *Determining the structure of the United States marine instrumentation industry and its position in the world industry*. WHOI Technical Report 88-55.

Kite-Powell, H.L. 1988. *A broad-scale profile of the marine advanced technology industry*. WHOI Technical Report 88-6.

### Other Publications and Reports

Kite-Powell, H.L. 2007. Estimating economic benefits from NOAA PORTS information: a case of Houston/Galveston. The Port of Houston Authority, Houston, Texas.

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Kite-Powell, H.L., P. Hoagland, D. Jin, M.E. Schumacher, L. Katz and D. Klinger. 2006. Economic sustainability of aquaculture. Woods Hole, Mass.: National Marine Aquaculture Task Force, Woods Hole Oceanographic Institution, 50pp.

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Nichols, O.C., H.L. Kite-Powell, R.D. Kenney, and M.W. Brown. 2005. A simple two-dimensional model of ship/right whale encounters in Cape Cod Bay and implications for proposed management strategies. *16<sup>th</sup> Biennial Conference on the Biology of Marine Mammals*, San Diego, December.

Jiddawi, N.S., H.L. Kite-Powell, and A. Mmochi. 2005. An alternative activity: integrated seaweed and shellfish farming in Zanzibar. Proceedings of the Fourth Western Indian Ocean Marine Science Association Scientific Symposium. August-September 2005, Grand Baie, Mauritius.

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Kite-Powell, H.L., C.S. Colgan, K.F. Wellman, T. Pelsoci, K. Wieand, L. Pendleton, M.J. Kaiser, A.G. Pulsipher, and M. Luger. 2005. Estimating the economic benefits of regional ocean observing systems. Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report WHOI-2005-03.

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Kite-Powell, H.L., D. Jin, and I. Kaplan. 2001. Commercial fishing vessel safety and fisheries management. *Marine Safety Council Proceedings* 58(2):14-15.

Kite-Powell, H.L. 2000. Benefits of NPOESS for commercial aviation – volcanic ash avoidance. Report to the National Polar-Orbiting Operational Environmental Satellite System (NPOESS) Integrated Program Office (IPO), Washington D.C.

Kite-Powell, H.L. 2000. Benefits of NPOESS for commercial ship routing – travel time savings. Report to the National Polar-Orbiting Operational Environmental Satellite System (NPOESS) Integrated Program Office (IPO), Washington D.C.

Kite-Powell, H.L. 2000. Electronic commerce in maritime shipping: beneath the hype, a transition is underway. *Marine Money* October.

Adams, R.M, M. Brown, C. Colgan, N. Flemming, H. Kite-Powell, B. McCarl, J. Mjelde, A. Solow, T. Teisberg, and R. Weiher. 2000. *The economics of ISOOS: benefits and the rationale for public funding*. Office of Policy and Strategic Planning, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, Washington D.C.

Kildow, J., E. Bruce, H.L. Kite-Powell, and C.S. Colgan. 2000. Estimating the economic value of the ocean. *Sea Technology* 41(1):65-67.

Goudey, C.A. and H.L. Kite-Powell. 1999. US/Egypt workshop on sustainable coastal development through aquaculture and fisheries. MIT Sea Grant Publication 99-3. Sea Grant College Program, Massachusetts Institute of Technology, Cambridge.

Goudey, C.A., H.L. Kite-Powell, G. Loverich, and B.A. Costa-Pierce. 1999. Mitigating the environmental effects of mariculture through single-point moorings (SPMs) and drifting cages. ICES Symposium on Environmental Effects of Mariculture, St. Andrews, New Brunswick, Canada.

Hoagland, P. and H.L. Kite-Powell. 1999. The economics of sea scallop aquaculture. Mimeo. Woods Hole, Mass.: Marine Policy Center, WHOI.

R. Weiher and H.L. Kite-Powell. 1999. Assessing the economic impacts of El Nino and benefits of improved forecasts. In R. Weiher, ed.: Improving El Nino forecasting: the potential economic benefits. U.S. Department of Commerce, NOAA Office of Policy and Strategic Planning, Washington D.C.

Kite-Powell, H.L., N.M. Patrikalakis, D. Jin, S.L. Abrams, J. Jebsen, V. Papakonstantinou, and S. Lin. 1998. Formulation of a Model for Ship Transit Risk: Final Project Report. Cambridge, Mass.: M.I.T. Sea Grant Report No. 98-7.

Kite-Powell, H.L. 1998. Transit risk analysis for commercial ships in port approaches. *Marine Policy and the Korean Economy: Key Issues and Opportunities*. Proceedings of the First Annual Korea-U.S. Marine Policy Forum. Korea Maritime Institute, Seoul.

Kite-Powell, H.L., D. Jin, S. Lin, and N. Patrikalakis. 1998. Risk factors for groundings and collisions in U.S. port approaches. *Proceedings of MTS Ocean Community Conference '98*.

Kite-Powell, H.L. 1998. Marine aquaculture and marine resources in New England. *Connection: New England's Journal of Higher Education and Economic Development* 13(1):41-43.

Hoagland, P., D. Jin and H.L. Kite-Powell. 1998. Understanding the potential of offshore marine aquaculture: a bioeconomic approach. *Journal of Shellfish Research* 17(1): 356.

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