

Department of Aeronautics and Astronautics Naval Postgraduate School

Faculty Vita

Richard M. Howard

Associate Professor
Mail Code: AA/Ho
Department of Aeronautics and Astronautics
Naval Postgraduate School
699 Dyer Road, Room 137
Monterey, California 93943-5106
e-mail: rmhoward@nps.navy.mil

Education:

Ph.D. Aerospace Engineering, Texas A&M University, 1987
MSAA Purdue University, 1976
BSME Rice University, 1975

Related Experience (Teaching, Industrial, etc.):

Participant in NASA-ASEE Summer Faculty Fellowship Program at NASA Dryden Flight Research Center, Edwards AFB, CA -- 1992, 1994, 1996, 1997, and 2000
Instructor, Texas A&M University, 1983-1986 (half-time)
Surveyor and engineer, various small engineering and surveying firms, 1976-1982

Institutional and Professional Service (Last 5 Years):

Member, NPS Faculty Council Retirement and Special Functions Committee, 1999-2000.
Participation in VTUAV Required Operational Capabilities / Projected Operational Environment (ROC/POE) Document Meeting, Washington, DC, May 11-13, 1999.
Participation in UAV Integrated Concept Team (ICT) Meeting, Ft Huachuca, AZ, April 13-15, 1999.

Honors and Awards:

NPS Admiral John Jay Schieffelin Award for Excellence in Teaching, Naval Postgraduate School, 1992

Scientific and Professional Society Membership:

American Institute of Aeronautics and Astronautics
Society of Flight Test Engineers
Association for Unmanned Vehicle Systems
Sigma Xi

Principal Publications (Last 5 Years):

Howard, R. M., "UAV Marinization Study: A Technology Assessment," Naval Postgraduate School, Report No. NPS-AA-98-003, 1998.
Howard, R. M., Willson, J. G., and Zraggen, C. J., "Lift Enhancement of a Wing/Strake Configuration Using Pneumatic Blowing," *Journal of Aircraft*, Vol. 35, No. 6, Nov.-Dec. 1998, pp. 984-985.

- Kaminer, I. I., Howard, R. M., and Buttrill, C., "Development of Closed-Loop Tail-Sizing Criteria for a High Speed Civil Transport," *Journal of Aircraft*, Vol. 34, No. 5, Sept.-Oct. 1997, pp. 785-791.
- Porter, D. B., and Howard, R. M., "Aerodynamic Interference of Dissimilar Aircraft Flying in Close Proximity," *Journal of Aircraft*, Vol. 33, No. 2, pp. 440-441, March-April 1996.
- Howard, R. M., Bray, R. M., and Lyons, D. F., "Flying-Qualities Analysis of an Unmanned Air Vehicle," *Journal of Aircraft*, Vol. 33, No. 2, pp. 331-336, March-April 1996.
- Gates, R. J., Bowers, A. H., and Howard, R. M., "A Comparison of Flight Input Techniques for Parameter Estimation of Highly-Augmented Aircraft," AIAA-96-3363, AIAA Atmospheric Flight Mechanics Conference, San Diego, CA, July 1996.