

**Department of Aeronautics and Astronautics  
Naval Postgraduate School**

**Faculty Vita**

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**E. Roberts Wood**

Professor  
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**Education:**

DEng Yale University, 1967  
MEng Yale University, 1955  
MEng Cornell University, 1951  
BCE Cornell University, 1950

**Related Experience (Teaching, Industrial, etc.):**

Chairman, Department of Aeronautics and Astronautics, Naval Postgraduate School,  
Monterey, California (1988-1991)  
Chairman and Professor, Department of Aerospace Engineering, California Polytechnic State  
University, San Luis Obispo, San Luis Obispo, California (1985-1988)  
Engineer, Hughes Helicopters, Inc./McDonnell Douglas Helicopter Co., Culver City,  
California and Mesa, Arizona, respectively (1975-1985)  
Division Engineer, Lockheed California Company, Burbank, California (1972-1975)  
Assistant Director, Rochester Applied Science Associates, Rochester, New York (1970-1972)  
Associate Professor, Georgia Institute of Technology Department of Aerospace Engineering  
and Engineering Mechanics, Atlanta, Georgia (1966-1970)  
Assistant Head, Dynamics Section, Sikorsky Aircraft Division, United Aircraft Corp.,  
Stratford, Connecticut (1957-1964)

**Institutional and Professional Service (Last 5 Years):**

Vice Chairman, V/STOL Aircraft Committee, American Helicopter Society (AHS), 1998-  
present  
Chairman, Faculty Council, Naval Postgraduate School, 1999-2000.  
Chairman-Elect, Faculty Council, Naval Postgraduate School, 1998-1999.  
Vice Chairman-Programs, AIAA Point Lobos Section, 1996-1997.

**Honors and Awards:**

American Helicopter Society Award for Service as Chairman of AHS Education Committee,  
1995  
Certificate of Recognition for Achievement in Teaching Design, Naval Postgraduate School,  
1994  
Certificate of Advanced Engineering Study, Cornell University, 1994  
American Helicopter Society, Student Design Team Advisor Award, 1st place, 1993

**Scientific and Professional Society Membership:**

American Helicopter Society  
American Institute of Aeronautics and Astronautics  
U.S. Naval Institute  
Tau Beta Pi  
Sigma Xi

**Principal Publications (Last 5 Years):**

Robinson, C., Wood, E. R. and King, R., "Simulation of Helicopter Dynamic Mechanical Instability by MAPLE® - Based Nonlinear Lagrangian Derivation, Preprint AIAA-98-2005, Dynamics, and Materials Conference and Exhibit, Long Beach, California, April 20-23, 1998.

Wood, E. R., "V/STOL Aircraft Technology and Operations for 1998," *Aerospace America*, vol. 36, no. 12, December, 1998, p. 37.

Robinson, C., Wood, E.R. and King, R., "Analysis of Helicopter Rotor Instabilities Using Symbolic Processing and Control System Dynamics Software," *Proceedings of 23rd European Rotorcraft Forum*, Dresden, Germany, September, 1997, pp. 12-1, 12-8.

Wood, E. R., "V/STOL Aircraft Technology and Operations for 1997," *Aerospace America*, vol. 35, no. 12, December, 1996, p. 29.

Wood, E. R., "An NPS Interdisciplinary Program for Identifying and Solving Special Operations Technical Programs," Naval Postgraduate School, Monterey, California.