

Department of Aeronautics and Astronautics Naval Postgraduate School

Faculty Vita

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Education:

Ph.D. Southern Methodist University (1991)
MSEE Southern Methodist University (1986)
BSEE University of Oklahoma (1978)

Related Experience (Teaching, Industrial, etc.):

Engineering Group Specialist, Lockheed-Martin Tactical Aircraft Systems (formerly General Dynamics, Inc.) Fort Worth, Texas, 1983-1996
Engineer, R-TEC (Reliance Telecommunications Electronics Company) Systems, Bedford, Texas, 1979-1983
Engineer, Texas Instruments, Inc., Lubbock, Texas, 1978-1979

Institutional and Professional Service (Last 5 Years):

Member of the NPS Faculty Council, Retirement, Insurance and Special Functions Committee, 2001
Representative to the NPS Faculty Council, Department of Aeronautics and Astronautics, 1997-2001
Member of the NPS Faculty Council Executive Board, 1997 - 1998
Member of the NPS Center for Vertical Flight Technology
Exhibits Chairman for the 1998 IEEE International Symposium on Circuits and Systems (ISCAS), 1998

Honors and Awards:

Myril B. Reed Outstanding Paper Award, 34th Midwest Symposium on Circuits and Systems, 1991
Frederick E. Terman Award for Outstanding Electrical Engineering Graduate Student, Southern Methodist University, 1990 - 1991
General Dynamics Doctoral Fellowship, General Dynamics, Fort Worth, Texas, 1989 - 1991
Eta Kappa Nu, Electrical Engineering Honor Fraternity, 1975 - 1977
University Scholars Scholarship at the University of Oklahoma, 1973 - 1974

Scientific and Professional Society Membership:

American Institute of Aeronautics and Astronautics (AIAA)
American Helicopter Society (AHS)
Institute of Electrical and Electronic Engineers (IEEE)
International Council on Systems Engineering (INCOSE)

Principal Publications (Last 5 Years):

- Hendricks, S. and Duren, R., "Using OPNET to Evaluate Fibre Channel as an Avionics Interconnection System," *Proceedings of the 19th Digital Avionics Systems Conference*, Philadelphia, Pennsylvania, October 7-13, 2000, pp. 4.C.1-1-8.
- Varnes, D., Duren, R., and Wood, E.R., "An Onboard Warning System to Prevent Hazardous 'Vortex Ring State' Encounters," *Proceedings of the 26th European Rotorcraft Forum*, The Hague, The Netherlands, September 26-29, 2000, pp. 88-1-22.
- Duren, R., "Report on Previous Studies Related to the EA-6B Follow-on Platform," paper provided to the AEA AoA Technical IPT, June 5, 2000.
- Varnes, D., Duren, R., and Wood, E.R., "Detecting the Vortex Ring State," *Rotor & Wing*, vol. 34, no. 1, January 2000, pp. 60-65.
- Duren, R., "Development of a Small Rotary-Wing Autonomous Vehicle," *Proceedings of the 18th Digital Avionics Systems Conference*, St. Louis, Missouri., October 24-29, 1999, pp. 6.A.2-1-8.
- Barnaby, J. and Duren, R., "Development of a Standard Interface for a New Generation of Miniature Stores," *Proceedings of the 18th Digital Avionics Systems Conference*, St. Louis, Missouri, October, 24-29, 1999, pp. 1.C.1-1-7.
- Varnes, D. and Duren, R., "Pilot and Crew Aids for the H-60 Helicopter," *Proceedings of the 18th Digital Avionics Systems Conference*, St. Louis, Missouri, October 24-29, 1999, pp. 4.D.4-1-8.