



**Professor Robert E. Ball**

See:

[www.aircraft-survivability.com](http://www.aircraft-survivability.com)

[http://faculty.nps.edu/vitae/cgi-bin/vita.cgi?p=display\\_vita&id=1023567619](http://faculty.nps.edu/vitae/cgi-bin/vita.cgi?p=display_vita&id=1023567619)

<http://www.linkedin.com/pub/dr-robert-e-ball/45/b32/60a>

<http://www.amazon.com/Fundamentals-Aircraft-Survivability-Analysis-Education/dp/1563475820>

[http://books.google.com/books/about/NASA\\_CR\\_1987.html?id=fErU8TnZ88oC](http://books.google.com/books/about/NASA_CR_1987.html?id=fErU8TnZ88oC)

Distinguished Professor Emeritus  
Department of Mechanical and Aerospace Engineering  
Naval Postgraduate School, Monterey, California

EDUCATION:

PhD - Northwestern Univ, 1962  
MS - Northwestern Univ, 1959  
BS - Northwestern Univ, 1958

NPS EXPERIENCE:

1998 Retired from NPS in November  
1994–98 Distinguished Professor, Department of Aeronautics and Astronautics  
1978–94 Professor, Department of Aeronautics and Astronautics  
1970–78 Associate Professor, Department of Aeronautics  
1967–70 Assistant Professor, Department of Aeronautics

OTHER EXPERIENCE:

2002–pres Consultant to SURVICE Engineering  
1998–2000 Employed by DENMAR CALIFORNIA  
1994–95 Consultant to the Institute for Defense Analyses  
1983–94 President, Aerospace Educational Services, Inc., Monterey  
1969–83 Consultant to Anamet Labs, San Carlos, CA  
1967–70 President, Structural Analytics, Inc.  
1965–67 Director of Solid Mechanics, Dynamic Science Corp, Monrovia, CA  
1964–65 Member of Technical Staff, Dynamic Science Corp, Monrovia, CA  
1962–64 Member of Technical Staff, National Engineering Science Co, Pasadena

TEACHING INTERESTS:

Aircraft Combat Survivability  
Structures and Structural Dynamics

RESEARCH INTERESTS:

Survivability  
Structures and Structural Dynamics

AWARDS:

1996 American Institute of Aeronautics and Astronautics (AIAA) “Survivability Award”  
2000 DoD DDOT&E/LFT “Art Stein Memorial Cup for Excellence”  
2001 National Defense Industrial Association (NDIA) “Combat Survivability Lifetime Achievement Award”  
2007 AIAA “Summerfield Book Award”

#### BOARDS/MEMBERSHIPS:

Fellow (1993) AIAA

Chairman, Survivability Technical Committee, AIAA 1989–1992

Chairman of the National Research Council's Committee on Weapons Effects on Airborne Systems, May 1991 to November 1992,

Member NDIA

#### SELECTED PUBLICATIONS:

Book: Robert E. Ball, The Fundamentals of Aircraft Combat Survivability Analysis and Design, AIAA, 1985

Book: Robert E. Ball, The Fundamentals of Aircraft Combat Survivability Analysis and Design, Second Edition, AIAA, 2003

#### KEYWORDS/TECHNOLOGIES:

Keywords: Air Vehicles, Aircraft, Survivability, Vulnerability, Susceptibility, Modeling, Simulation, Measures of Effectiveness, Lethality