



FLORIDA FORENSIC ENGINEERING, INC.

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Richard K. Spears, Ph.D., P.E. – Curriculum Vitae

Professional Education:

- Ph.D. Mechanical Engineering, University of Florida, Gainesville, FL
- M.S. Metallurgical Engineering, University of Denver, Denver, CO
- B.S. Metallurgical Engineering, Colorado School of Mines, Golden, CO

Professional Licensure:

- Professional Engineer, Florida State Board of Registration, No. 11449

Professional Experience:

- 01/94 – Present Florida Forensic Engineering, Inc., Largo, FL and Tampa, FL
Vice President, Consulting Engineer
- 01/82 – 01/89 Largo Scientific, Inc., Largo, FL
President, Research and Consulting Engineer
- 01/88 – 01/89 Walt Disney World, Design and Show, Structural Engineering Department
Ride Rehabilitation, Structural Engineering Section, Project Manager
- 01/66 – 01/82 General Electric, St. Petersburg, FL, Mechanical Component Development
Thermonuclear Weapon Components Engineer
- 01/64 – 01/66 Honeywell, Inc., Hopkins, MN
Military Research and Design Engineer
- 01/59 – 01/64 Martin Marietta, Denver, CO, Materials and Structural Engineering Design
Propulsion Engineering Engineer (Titan ICBM Missile)

Seminar / Courses / Training:

- Semi-Annual Forensic Engineering Conference, National Academy of Forensic Engineers, San Antonio, TX, July 13, 14, 2003
- Semi-Annual Forensic Engineering Conference, National Academy of Forensic Engineers, Orlando, FL, TX, July 14, 15, 2003
- Annual Society of ASTM, Attendance of F13 subcommittee on slip resistance of walking surfaces. New Orleans, LA, January 23 – 25, 2000
- Annual Society of Accident Reconstructionists Conference and Three Day Seminar on Special Issues in Motor Accident Investigation, Colorado Springs, CO, August 30, 1998
- Conference on Insurance Fraud, Houston, TX, June 1997
- Semi-Annual Forensic Engineering Conference including Seminar on Forensic Engineering, National Academy of Forensic Engineers, Kansas City, MO, July, 1994
- Semi-Annual Forensic Engineering Conference including Seminar on Forensic Engineering, National Academy of Forensic Engineers, Houston, TX, Jan. 1995
- Semi-Annual Forensic Engineering Conference including Seminar on Forensic Engineering, National Academy of Forensic Engineers, Louisville, KY, July 1995
- Semi-Annual Forensic Engineering Conference including Seminar on Forensic Engineering, National Academy of Forensic Engineers, San Antonio, TX, July 2003

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- University of North Florida, Advanced Traffic Investigation Seminar, Univ. of North Florida, IPTM, Jacksonville, FL, fall 1995
- University of North Florida, Special Problems in Traffic Accident Reconstruction, IPTM, Univ. of North Florida, Jacksonville, FL, April 22 to 26, 1996
- Automotive Bodily Injury Conference, Brass Tacks Training Texas Dept. of Insurance, Houston, Texas, October 7 & 8, 1996
- Traffic Engineering Seminar, Texas Association of Accident Reconstruction Society, College Station, TX, March 20 to 22, 1997
- Accident Reconstruction Seminar from Engineering Development, Atlanta, GA, April 12-17, 1999

Professional Affiliations and Awards:

- American Society of Professional Engineers, Associate Member (NAFE)
- Florida Engineering Society (FES)
- National Academy of Forensic Engineers (NAFE)
- American Society of Testing Materials (ASTM)
- American Society for Metals (ASM)
- American Welding Society (AWS)
- Society of Accident Reconstruction (SOAR)
- Texas Association of Accident Reconstruction Specialists (TAARS)
- American Society of Safety Engineers and National Safety Council

Selected Publications (within last 15 years):

- A Forensic Evaluation of Glass Failures, Presented to National Academy of Forensic Engineers, San Antonio, Texas, 2003
- A Forensic Evaluation of Chair Mechanical Fasteners Failure, Presented to National Academy of Forensic Engineers, Houston, Texas, 1995
- Evaluation of High Temperature Characteristics of Polymeric Guard Rails and Kennedy Space Center, Final Report for NASA, Kennedy Space Center, FL, Dec. 1989
- Evaluation of Impact Temperature of Stainless Steels for China Lake Naval Missile Test Range. China Lake, CA., June 1988
- Evaluation of High Temperature Adhesives for Missile Nose Cones, Final report for Norton Air Force Base, San Bernardino, CA., October 1988
- Evaluation of Dielectric Properties of High Temperature Polymers under Pulse Testing, Final report for U.S. Army, Redstone Arsenal, Ala, May 1988