



Retired United States  
Air Force Captain

# Frank H. Johnson, P.E., CSP

## President - Chief Executive Officer

### System Engineering And Laboratories (SEAL)

#### QUALIFICATIONS

• Failure Analysis (Engineering) • Failure Analysis (Materials) • Oil Field Accidents/Fires/Explosions • Equipment Safety • Labels & Warnings • Laboratory Safety • Multi-employer Worksite Safety • Scanning Electron Microscope Owner, Operator, Analyst

#### TEACHING EXPERIENCE

UT Tyler, Adjunct, Professor  
Texas State Technical College, Advisory Council  
Accredited courses in Forensic Engineering, Accident Reconstruction, System Safety Analysis, Accident Investigation, Industrial Safety, Laboratory Safety, AFWL 1976-1979, and many others.

#### CERTIFICATIONS

- PE, Professional Engineer, California, #0943
- PE, Professional Engineer, Texas #49513
- CSP, Certified Safety Professional, #4579
- State of Texas Private Investigator, #627772
- Louisiana State Board of Private Investigators, Manager, #1937-052296
- FAA, Private Instrument Pilot

#### MEMBERSHIPS

ACIL, American Council of Independent Laboratories  
A2LA, American Association for Laboratory Accreditation  
AFA, Air Force Association  
ANSI, American National Standards Institute (1985-2012)  
AOPA, Aircraft Owners & Pilots Association  
ASM, American Society for Metals  
ASME, American Society of Mechanical Engineers (1984-2012)  
ASSE, American Society of Safety Engineers  
ASTM, American Society for Testing & Materials  
AWS, American Welding Society (1987-2012)

#### EDUCATION

University of Texas, Graduate Studies, 2002  
Oklahoma State University, Master of Science, Engineering, 1971  
Arizona State University, Bachelor of Science, Engineering, 1969  
Texas A&M University, Accident Reconstruction, 1983, 1997, 1998  
George Washington University, Traffic Accident Analysis, 1990  
Air Force Institute of Technology, Laboratory Management, 1971  
University of Southern California, System Safety, 1972  
Sandia Research Laboratories, Fault Tree Analysis, 1972  
Air Force Institute of Technology, Laser/Optics, 1973  
Air University, Squadron Officers School, 1975  
Arizona State University, Safety Officers Course, 1976  
Aberdeen Proving Ground, Laser/Microwave Safety, 1978  
OSHA, Voluntary Compliance Outreach Trainers Course, 1991  
ASM, Principles of Metallography, 1991  
ASM, Metallurgy Failure Analysis, 2001  
ASM, Metallurgy, Scanning Electron Microscopy, 2007  
ASM, Oil Field Metallurgy, 2010  
East Texas Arson Investigators Conference, 2004-2018

#### EXPERIENCE

1984 - Present President/CEO, System Engineering And Laboratories (SEAL)  
1982 - 1984 President, National System Engineering  
1980 - 1982 Independent engineering consultant  
1979 - 1980 Safety engineer for United Drilling Company  
1976 - 1979 Chief of Safety for research lab (AF Weapons Lab, Aeronautical Engineer)  
1971 - 1976 System Safety Officer, Airborne Laser Lab (Astronautical Engineer)  
1967 - 1971 Air Force Institute of Technology, ASU, OTS & OSU  
1963 - 1967 ICBM missile mechanic  
1959 - 1963 Automotive mechanic

DEPS, Directed Energy Professional Society (1995-2012)  
MSA, Microscopy Society of America (2007-2012)  
NAFE, National Academy of Forensic Engineers (1983-2012)  
NAMS, National Association of Marine Surveyors  
NFFPA, National Fire Protection Association  
NSPE, National Society of Professional Engineers (1983-2012)  
SAE, Society of Automotive Engineers (1985-2012)  
SPE, Society of Petroleum Engineers  
SSS, System Safety Society