



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 (Aeronautical 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
NFPA, 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