

JAMES LAIRD, PE, CFI, CFEI

Bellingham, Washington • Mobile (360) 761-2602 • JamesWalterLaird@gmail.com

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

- Registered Professional Engineer
 - Washington • Idaho • Oregon • Virginia • Maryland • West Virginia • North Carolina
 - DC • South Carolina
- International Association of Arson Investigators (IAAI) – Certified Fire Investigator (CFI)
- National Association of Fire Investigators (NAFI)
 - Certified Fire and Explosion Investigator (CFEI)
 - Certified Vehicle Fire Investigator (CVFI)
- Northwestern University - Center for Public Safety - Crash Investigation
- Earlebeck Corporation - Fundamentals of Welding & Technology
- Eaheart Industrial Service Inc. - Operator Safety Training - Forklifts

EDUCATION & CAREER DEVELOPMENT

- Master of Engineering Mechanical Engineering – Old Dominion University, Norfolk, Virginia
- Bachelor of Science Mechanical Engineering - Virginia Polytechnic Institute and State University, Blacksburg, Virginia
- Traffic Accident Reconstruction – Northwestern University Center for Public Safety
- Fire & Explosion Investigation - National Association of Fire Investigators
- Vehicle Fire Investigations - National Association of Fire Investigators
- Bosch CDR Technician and Data Analyst - Northwestern University Center for Public Safety

PROFESSIONAL EXPERIENCE

FORCON International, Richmond, Virginia

October 2010 – July 2025

Director and Lead Mechanical Engineer

- Conducted engineering investigations and provided expert analysis
- Leadership over the Maryland and Virginia offices covering the Mid-Atlantic Region
- Managed office operations, marketing and oversaw the multidiscipline investigations
- Declared an expert and testified in various legal jurisdictions

FORENSIC INVESTIGATION & TECHNICAL EXPERTISE

- | | |
|---|---|
| • Heavy equipment | • Workplace safety |
| • Vehicle systems | • Plumbing fixture and component analysis |
| • Automotive crash data download | • Exercise equipment |
| • Vehicle/Equipment fire origin & cause | • HVAC equipment |
| • Weld failures | • Fire sprinkler systems |
| • Power tools and consumer equipment | • Appliances |
| • Motorcycle crashes | • Natural gas and propane systems |
| • Forklifts and aerial work platforms | • Solid fuel fired appliances |