

Resume of  
**Carl V. Finocchiaro, M.S., P.E.**

- Education:** M.S., Engineering Management, Santa Clara University (1987). Specialized in engineering mechanics, structural dynamics and computer-aided design. B.S., Aerospace Engineering, Iowa State University (1983). Specialized in structures, control systems and propulsion systems.
- Experience:**
- Senior Engineer, Principal, Spectrum Forensics LLC, 2015-Present
    - Fire & Explosion: Residential and commercial structures, automotive and commercial vehicles, industrial and agricultural machinery.
    - Industrial Machinery and Equipment: Product evaluation, failure analysis, industrial standards compliance, design defects, guarding, and warnings. Thermal evaluation of burns / scalds from heating devices and equipment.
    - Carbon Monoxide: Evaluation, testing and analysis of carbon monoxide incidents.
    - Property: Water loss causation, exit systems, building code compliance.
    - Amusement & Recreation: Amusement rides, playground equipment, dynamic testing and analysis.
  - Senior Engineer, Partner, Ponderosa Assoc., Ltd, 2000-2015
    - Forensic Engineering and Accident Reconstruction
  - Senior Engineer, Knott Laboratory, 1997-2000
    - Forensic Engineering and Accident Reconstruction
  - Owner and Lead Engineer, SkyTower Engineering, 1992-1997
    - Designed and manufactured towers, structures and motion simulator rides for the amusement industry.
    - Amusement ride inspection services to insurance companies.
    - Forensic engineering consulting to the amusement industry.
  - Senior Stress Engineer, Ball Aerospace, 1989-1992
    - Stress analysis of spacecraft and spacecraft components
  - Engineer, Lockheed Missile & Space Co., 1984-1989
    - Structural dynamic analysis on numerous programs for the Space Defense Initiative or "Star Wars"
  - Test and Evaluation Engineer, Veda Inc., 1983-1984
    - Test and evaluation of the F-14 weapon control system.
- Registration:** Registered Professional Engineer in CO, CA, NM, WY and MT  
CFEI Certified Fire & Explosion Investigator  
CVFI Certified Vehicle Fire Investigator  
CFI Certified Fire Investigator  
ACTAR Certified Accident Reconstructionist (1997-2003)
- Professional Affiliations:** National Society of Professional Engineers (NSPE)  
National Association of Fire Investigators (NAFI)  
International Association of Arson Investigators (IAAI)  
Society of Automotive Engineers (SAE)  
SAE Heated Seats Standards Committee Member