

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 Colorado and California
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