SPECTRUM FORENSICS

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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