



Fire & Accident Causation Technical Services

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## Curriculum Vitae of Jeffrey Williams

### FORMAL EDUCATION

- 1992-1994 University of South Florida, School of Mechanical Engineering
- 1978 University of Dayton, Ohio; Bachelor of Technology
- 1975-1976 University of Cincinnati, School of Engineering
- 1973-1975 College of Applied Science, University of Cincinnati, Ohio  
Associate of Electrical Engineering Technology

### CONTINUING EDUCATION

#### ***CFITrainer.net online training courses (tested, IAAI):***

- 2013-2016 *Explosion Dynamics | A Ventilation-Focused Approach to the Impact of Building Structures & Systems on Fire | Fire Dynamics Calculations | Preparation for the Marine Fire Scene | Post Flashover Fires | NFPA 921 and 1033 2014 Editions: Important Revisions | Intro to Evidence | Charleston Sofa Super Store Fire | Arc Mapping Basics | Investigating Fatal Fires | Investigating Motor Vehicle Fires | Digital Photography & the Fire Investigator | Fire Protection Systems*
- 2006 Advanced Origin & Cause Workshop: Hybrid Vehicles, Boats, Stove & other unique fires (Florida State Fire College/FACAP)
- 2003 Fire Origin & Cause seminar, RV fires (PARCO)
- 2000 WREX2000 World Reconstruction Exposition (TEXAS A&M)
- 1999 Fire Investigation seminar (PARCO)
- 1997 STAPP conference (SAE)
- 1993 Fire Training Program (FACAP/IAAI)
- 1993 15th Annual Fire & Arson School (IAAI)
- 1994 Vehicle Fire seminar (IAAI)
- 1990 Fire Origin & Cause seminar (IAAI)
- 1988 Brakes, Design and Safety (SAE)
- 1986 Fire Scene Evidence Gathering Techniques (PARCO)
- 1986 Electrical Fire Investigation (University of Wisconsin, Madison)
- 1985 Technical Accident Investigation (TRAFFIC INSTITUTE)  
(Northwestern University, Chicago)
- 1985 Fire Investigation; Tampa (FACAP)
- 1983 Arson Investigation Workshop; Fresno City College (CCAI)
- 1982 Dynamics of Automobiles in Collision (University of California at Northridge)

## CAREER HISTORY

1989-Present

**FACTS** - Tampa, Florida

Fire & Accident Reconstructionist - Vehicular Accident Reconstructions; Fire Origin & Cause Determinations; Product Liability/Failure Analysis

1984-1989

**Interscience, Inc.** - Tampa, Florida

Senior Loss Analyst - Fire Origin & Cause Determinations; Accident Reconstructions

1981-1984

**von Haenel & Associates, Inc.** - Glendale, California

Accident Reconstruction Engineer - Vehicular Accident Reconstructions; Failure Analyses; Slip & Fall Testing; Fire Origin & Cause Determinations

1980

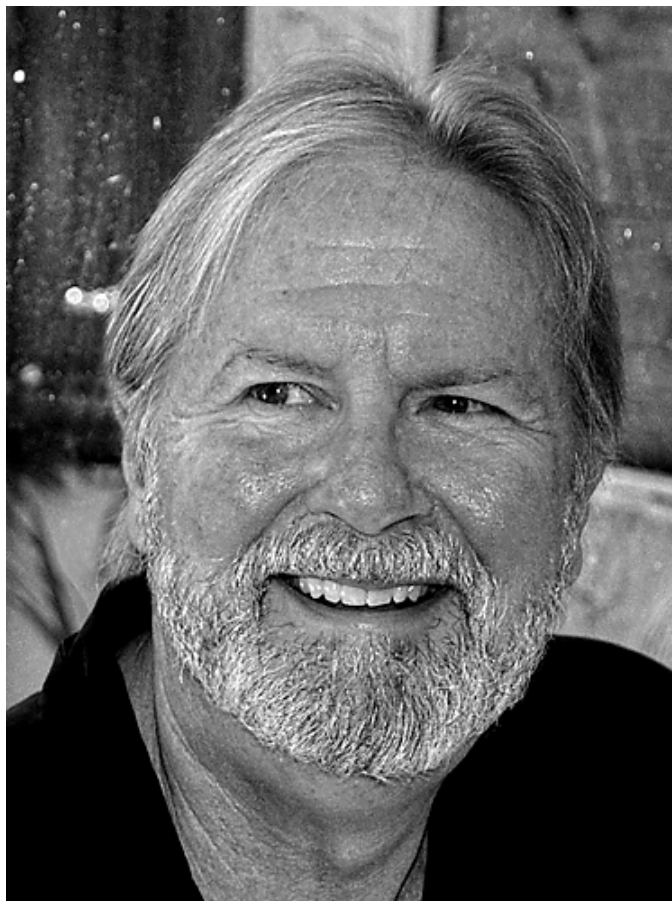
**TRW Systems** - Redondo Beach, California

Aerospace Test Engineer

1979-1980

**General Dynamics** - Pomona, California

Test Engineer



## **CASE EXPERIENCE**

**Fire Origin & Cause Determinations** - residential, commercial, vehicular, and marine losses. Trial experience in fire origin & cause (criminal & civil) in both state (FL & CA) and federal courts

**Vehicular Accident Reconstruction** - includes low impact analyses and mechanical failures. Trial experience in accident reconstruction (FL)

### **Product Liability and Subrogation | Failure Analysis | Forensic Photography**

Case experience in the following locations:

Alabama, California, Florida, Georgia, Louisiana, Nevada, New York, Pennsylvania, Puerto Rico, Guatemala, and the Bahamas.

Case experience in the following subjects:

#### **Accident Reconstructions**

Motor vehicle collisions, Suicide collisions, ATV collisions, Towed vehicles, Low speed and staged impacts, Determining the driver, Pedestrian/motor vehicle collisions, Bicycle/motor vehicle collisions, Motorcycle collisions, Heavy truck collisions, Driver determination, Tire failures, Light filament examination, Safety restraint evaluations, Component failures (brakes, steering, etc.)

#### **Fire Investigations**

Commercial structure fires, Residential fires, Motor and electrical vehicle fires, Towed vehicle fires, Heavy vehicle (bus, heavy trucks) fires, Personal injury fires, Boat fires (including scuba-aided origin & cause investigations), Mobile home fires, Recreational vehicle fires, Electrical fires, Appliance fires, Flammable liquid fires, Gas & Vapor explosions

#### **Miscellaneous**

Electrocutions, Electrical failures, Lightning, Boat collisions and mishaps, Parasailing mishaps, Mechanical failures, Carbon monoxide poisoning, Workplace machine injuries, Product liability, Underwater photography, Forensic and digital photography, Computer simulation of collisions and fire dynamics

#### **Member:**

**Society of Automotive Engineers**

**International Association of Arson Investigators**

**National Association of Professional Accident Reconstruction Specialists**

**National Association of Traffic Accident Reconstructionists & Investigators**