



Certified Vehicle Fire Investigator                      Sept    2015

California State Fire Marshal accredited classes:

- Firefighter 1    Feb    1990
- Firefighter 2    Sept   1995
- Driver/Operator 1a                                      May    1994
- Driver/Operator 1b                                      June   1994
- Fire Instructor 1a                                      Feb    1993
- Fire Instructor 1b                                      Apr    1993
- Fire Investigation 1a                                    Jun    1987
- Fire Investigation 1b                                    Jan    1993
- Fire Investigation 2a                                    Feb    2006
- Fire Investigation 2b                                    May    2012
- Fire Management 1                                      Oct    1987
- Fire Command 1a                                      Oct    1992
- Fire Command 1b                                      Apr    1993
- Fire Prevention 1a                                      Mar    1994
- Fire Prevention 1b                                      Nov    1994
- Fire Prevention 1c                                      Jun    2014
- Fire Command 2c                                      Jan    1996
- Rescue Systems 1                                      May    1996
- Rescue Systems 2                                      Sept   1996
- ICS I-200, Basic ICS
- ICS I-300, Intermediate ICS                                      Oct    1998
- Trench Rescue    Oct    2002
- First Responder Operations: Terrorism  
Consequence Management                                      Apr    2003

IAAI Certified Fire Investigator (CFI Trainer) Tested Training:

- The Impact of Building Structures and Systems on Fire Development
- Basic Electricity
- Charleston Sofa Super Store Fire
- Documenting the event
- Intro to Evidence
- Intro to Fire Dynamics and Modeling
- Investigating Fatal Fires
- Investigating Motor Vehicle Fires
- Post Flashover Fires
- Search and Seizure
- Understanding Fire through the Candle Experiments
- Using Resources to Validate Your Hypothesis
- Wildland Fires Investigation
- Writing the Initial Origin and Cause Report

- Arc Mapping Basics
- Effective Investigation and Testimony
- Explosion Dynamics
- How First Responders Impact the Investigation
- Investigating Natural Gas Systems
- NFPA 921 and 1033 2014 Edition: Important Revisions
- NFPA 1033 and your Career
- Residential Electrical Systems
- Residential Natural Gas Systems
- The Deposition Part 1 and 2
- The Practical Application of the Relationship Between NFPA 1033 and NFPA 921
- Process of Elimination
- Fire Investigator and the 2011 NFPA 921 Changes

Other Certificated Classes:

- San Joaquin County Eng. Co Strike Team  
Wild land Fire Safety Mar 1993
- Hazardous Materials – First Responder Jun 1993
- Emergency Medical Technician 1a Dec 1988
- Vehicle Extrication Mar 1989
- PC832 Dec 1995
- Occupied Structural Fire Fighting with focus  
On Truck Company Operations Mar 1997
- Intermediate Fire Behavior S290 May 2004
- NFA Fire/Arson Investigation May 2005
- New Fire/Arson Investigator Academy Dec 2005
- CCAI 20hr Advanced Fire/Arson Investigation  
July 2006
- IAIL Automotive Aftermarket Equipment Jun 2006
- IAIL Auto Theft and Arson Jun 2006
- IAIL Investigative Locksmithing I, II, III Jun 2006
- Investigation of Vehicle Fires Jun 2007
- CCAI 20hr Advanced Fire/Arson Investigation  
Apr 2009
- Forensic Fire Scene Reconstruction March 2010
- ATF Post Blast Investigation Training June 2010
- CCAI 20hr Advanced Fire/Arson Investigation  
March 2011
- Ignitable Liquids and Other Burn Patterns Sept 2011
- ATF Electrical Fires July 2012
- Serial Arson Investigators Seminar May 2013
- A Multidisciplinary Approach to  
Investigating Fatal Fires May 2013

- FI-210 Wildland Origin and Cause June 2013
- Forensic Fire Death Investigation 40hr June 2014
- ATF Advanced Electrical Fire Investigation Sept 2014
- CCAI 20Hr Advanced Fire/Arson Investigation  
Nov 2014
- CCAI 40Hr NFPA 1033 April 2015
- NAFI 32Hr Vehicle Fire, Arson &  
Explosion Investigation Science and  
Technology Seminar Sept 2015
- ATF 76hr Advanced Origin and Cause  
Determination and Expert Testimony Dec 2016

## **Teaching Experience**

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- Assistant Instructor Investigation 1a (vehicle fire section)
- Assistant Instructor: Instructor 1a and 1b
- Assistant Instructor: Confined Space Operation
- CFSTES Fire Investigation 1a May 2015
- CFSTES Fire Investigation 1b May 2015
- CFSTES Fire Investigation 2a May 2018
- CFSTES Fire Investigation 2b May 2018
- Forensic Fire Death Investigation Course June 2017  
2018, 2019
- Arson for Prosecutors (Fire Behavior  
Fire Dynamics, Fire Investigation Sections) May 2019

## **Affiliations**

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- International Association of Arson Investigators (IAAI)
- National Association of Fire Investigators (NAFI)
- California Conference Of Arson Investigators (CCAI)
- National Fire Academy Alumni Association

## **Court Appearances San Joaquin County Superior Court**

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- 2016 Fire Origin and Cause Expert Witness
- 2013 Fire Origin and Cause Expert Witness
- 2012 Fire Origin and Cause Expert Witness
- 2011 Fire Origin and Cause Expert Witness
- 2011 Fire Origin and Cause Expert Witness
- 2010 Fire Origin and Cause Expert Witness
- 2010 Fire Origin and Cause Expert Witness
- 2010 Fire Origin and Cause Expert Witness
- 2008 Fire Origin and Cause Expert Witness
- 2005 Fire Origin and Cause Expert Witness
- 2003 Fire Origin and Cause Expert Witness

- 1999 Fire Origin and Cause Expert Witness