

EMPLOYMENT HISTORY

REDONDO BEACH FIRE DEPARTMENT	2010 to present
Fire Division Chief – Fire Marshal	01/2010 to 09/2013
ADVANCED ANALYSIS, INC.	2005 to present
Fire / Arson Investigator	
CITY OF RIVERSIDE FIRE DEPARTMENT	1995 to 2010
Fire Captain	07/2002 to 01/2010
Fire / Arson Investigator	07/1999 to 09/2005
BUREAU OF ALCOHOL, TOBACCO, FIREARM AND EXPLOSIVES (BATFE)	
Arson Task Force Officer	01/2000 to 04/2006
RIVERSIDE COMMUNITY COLLEGE	
Level I & II Arson Investigation courses	2002 to present
CSFM Basic Fire Academy	2000 to 2013
Emergency Medical Technician (EMT)	1997 to 2010
CITY OF ALHAMBRA FIRE DEPARTMENT	
Fire Fighter	1993 to 1995

INVESTIGATIVE EXPERIENCE

I have been the lead investigator on more than 1,400 fire investigations.

I have been involved in fire suppression activity on more than 1,700 fires of various types including structure fires, vegetation fires, vehicle fires, rubbish fires and petroleum fires.

I have personally set and investigated more than 500 fires in structures, vegetation, vehicles and training props both as accidental and as incendiary fires.

INVESTIGATION CERTIFICATIONS

Certified Fire Investigator Level 1, California State Fire Marshal	July 2003
Certified Fire Investigator Level 2, California State Fire Marshal	Jan. 2005
California Certified Fire Investigator (CFI), CCAI	April 2003
International Association of Arson Investigators (CFI), IAAI	Aug. 2006
National Board on Fire Service Professional Qualifications (CFI)	Aug. 2006
National Association of Fire Investigators (CFEI)	Nov. 2009
National Association of Fire Investigators (CFII)	March 2016

AWARD

Riverside Chamber of Commerce Public Safety Officer of the Month	June 2006
ADL Helene and Joseph Sherwood Prize for Combating Hate Award	2005
Anti Defamation League 2005 Law Enforcement Award	2005
Riverside Arson Task Force Investigator of the Year	2004
Public Safety Officer of the Month	July 2003
Riverside Chamber of Commerce Public Safety Officer of the Month	June 2003
Certificate of Special Congressional Recognition	June 1997

FORMAL EDUCATION

Executive Fire Officer (EFO), National Fire Academy 2014
B.S. degree in Business Administration, University of Southern California 1991

VOCATIONAL TRAINING

Fire Investigation 1A, CSFM, Fire Origin and Cause Determination – 40 hours
Fire Investigation 1B, CSFM, Criminal Investigative Procedures – 40 hours
Fire Investigation 2A, CSFM, Fire Investigation Techniques and Burns – 40 hours
Fire Investigation 2B, CSFM, Field Case Studies – 40 hours
P.C. 832, Laws of Arrest and Firearms – 80 hours
Arson Fire Indicators – 8 hours
Live Fire Investigation – 120 hours
Advanced Fire Chemistry – 24 hours
Proposition 115 Testimony – 8 hours
Explosives and Post Blast Analysis and Investigation – 24 hours
Electrical Fire Investigation – 16 hours

Arson for Profit – 16 hours
Wildland Fire Investigation – 8 hours
Vehicle Fire Investigation – 8 hours
Fire Death Investigation – 48 hours
Human Scent Evidence – 24 hours
Juvenile Fire Setter Intervention – 24 hours
California Basic Firefighter Academy – 220 hours
CSTI Officer Safety and Survival – 100 hours
CSFM Level I Fire Officer Certification – 320 hours
CSFM Chief Officer Certification – 440 hours

LICENSES, CERTIFICATIONS, AND CONTINUED TRAINING

Investigation of Gas and Electric Appliance Fires, Fire Findings April 2016

Certified Fire Investigation Instructor (CFII), National Association of Fire Investigators, International March 2016

NAFI International Fire, Arson, & Explosion Investigation Training Program, National Association of Fire Investigators, International March 2016

Investigating Fire and Explosion Incidents Involving a Line-of-Duty Death, International Association of Arson Investigators, Inc., CFITrainer.net February 2016

Investigating Natural Gas Systems, International Association of Arson Investigators, Inc., CFITrainer.net July 2015

The Deposition Part II: Tactics and Effective Responses, International Association of Arson Investigators, Inc., CFITrainer.net April 2015

The Deposition Part I: Format, Content, and Preparation, International Association of Arson Investigators, Inc., CFITrainer.net February 2015

Process of Elimination, International Association of Arson Investigators, Inc., CFITrainer.net October 2014

Vehicle Fire Investigation, California Conference of Arson Investigators, Roundtable October 2014

Effective Investigation and Testimony, International Association of Arson Investigators, Inc., CFITrainer.net February 2014

A Ventilation-Focused Approach to the Impact of Building Structures and Systems on Fire, International Association of Arson Investigators, Inc., CFITrainer.net February 2014

Electrical Fire Investigation and Fire Dynamics, Nevada Chapter IAAI September 2012

The Investigation of Arson Cases, L.A. County Sheriff's Arson/Bomb Squad August 2012

The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, International Association of Arson Investigators, Inc., CFITrainer.net August 2012

Electrical Fire Investigation, U.S. Department of Justice; Bureau of Alcohol, Tobacco, Firearms, and Explosives Fire Research Laboratory February 2012

Fire Dynamics for Investigators, U.S. Department of Justice; Bureau of Alcohol, Tobacco, Firearms, and Explosives Fire Research Laboratory February 2012

Motion Picture / Television Fire Safety Officer, California State Fire Marshal February 2012

The Fire Investigator & the 2011 NFPA 921 Changes, International Association of Arson Investigators, Inc., CFITrainer.net September 2011

Charleston Sofa Super Store Fire, International Association of Arson Investigators, Inc., CFITrainer.net September 2011

Introduction to Fire Dynamics and Modeling, International Association of Arson Investigators, Inc., CFITrainer.net October 2009

S-231 Engine Boss, California State Fire Marshal August 2009

S-215 Fire Operations in the Wildland/Urban Interface, California State Fire Marshal August 2009

ICS-300: Intermediate Incident Command System for Expanding Incidents, Texas A&M University System July 2009

Motive, Means, and Opportunity: Determining Responsibility in an Arson Case, International Association of Arson Investigators, Inc., CFITrainer.net July 2009

Chief Officer, California Fire Service Training and Education System July 2009

Investigating Motor Vehicle Fires, International Association of Arson Investigators, Inc., CFITrainer.net June 2009

Fire Management 2E Contemporary Issues in the Fire Service, California State Fire Marshal June 2009

S-130 Wildland Firefighter Training, National Wildfire Coordinating Group May 2009

Fire Management 2D Master Planning, California State Fire Marshal April 2009

Fire Management 2C Human Resource Management, California State Fire Marshal March 2009

Vacant and Abandoned Buildings: Hazards and Solutions, International Association of Arson Investigators, Inc., CFITrainer.net March 2009

Fire and Explosion Investigations: Utilizing NFPA 1033 and 921, International Association of Arson Investigators, Inc., CFITrainer.net March 2009

S-190 Introduction to Wildland Fire Behavior, National Wildfire Coordinating Group March 2009

Fire Management 2B Fire Service Financial Management, California State Fire Marshal February 2009

S-330 Task Force / Strike Team Leader, National Wildfire Coordinating Group February 2009

ICS 400 Incident Command System, California State Fire Marshal January 2009

Fire Management 2A Organizational Development, California State Fire Marshal January 2009

S-290 Intermediate Wildland Fire Behavior, National Wildfire Coordinating Group December 2008

Multiple Fire Setter, Riverside County Training Officers Association December 2008

MagneTek: A Case Study in the Daubert Challenge, International Association of Arson Investigators, Inc., CFITrainer.net July 2008

Understanding Fire Through the Candle Experiments, International Association of Arson Investigators, Inc., CFITrainer.net July 2008

Fire Command 2E Wildland Fire Tactics, California State Fire Marshal May 2008

Fire Command 2D Planning for Large Scale Disasters, California State Fire Marshal April 2008

Fire Command 2C High Rise Fire Tactics, California State Fire Marshal April 2008

Fire Command 2B Management of Major Hazardous Materials Incidents, California State Fire Marshal March 2008

Fire Command 2A Command Tactics at Major Fires, California State Fire Marshal February 2008

The Scientific Method for Fire and Explosion Investigation, International Association of Arson Investigators, Inc., CFITrainer.net January 2007

Fire/Arson Investigation, California Conference of Arson Investigators July 2002, July 2004, July 2006, March 2008, November 2009

Regional Instructor Orientation, California State Fire Marshal May 2002

Officer Safety and Field Tactics for Arson Investigators, California Specialized Training Institute July 2001, April 2004

Fire/Arson Fatality Fire Scene Investigation, Public Agency Training Council April 2000

Fire/Arson Investigation, California Conference of Arson Investigators July 2000

Emergency Response to Terrorism, National Fire Academy Course June 1999

Fire Update, San Bernardino County Sheriff's Department September 1999

PC-832 Module A (Firearms), San Bernardino County Sheriff's Department July 1999

PC-832 Module A (Powers of Arrest), San Bernardino County Sheriff's Department July 1999

Fire Officer, California Fire Service Training and Education System December 1997

Fire Instructor 1A, California State Fire Marshal June 1997

Fire Instructor 1B, California State Fire Marshal June 1997

Fire Prevention 1A Fire Inspection Practices, California State Fire Marshal August 1997

Fire Prevention 1B Code Enforcement, California State Fire Marshal September 1997

Fire Management 1A, California State Fire Marshal April-May 1997

Fire Master Certification of Completion in Portable Fire Extinguishers: Inspection and Enforcement, Kitchen Hood and Duct Systems: Requirements, Installation and Maintenance, Halon and Carbon Dioxide Systems: Requirements, Installation,

Maintenance, Smoke Detectors, Emergency Lighting, Standpipe and Sprinkler Testing September 1997

Fire Fighter II, California State Fire Marshal April 1996

Fire Command 1A, California State Fire Marshal June 1996

Fire Command 1B, California State Fire Marshal July 1996

PC-832 Arrest and Firearms, Module A, Level III, Riverside Community College April 1996

Fire Control 3 Structural Fire Fighting, Fire Service Training and Education Program January 1995

Fire Fighter I, California State Fire Marshal October 1994

Firefighter I (Academy) Certificate of Achievement, Los Angeles County Regional Occupational Program February 1993

CLASSES TAUGHT

Riverside Community College:

California State Fire Marshal Fire Investigation 1A – 40 hour class

Fire Origin and Cause Determination

1/03, 1/04, 1/05, 1/06, 9/06, 1/07, 11/07, 01/08, 11/08, 04/09, 10/09, 01/10, 10/10, 01/11, 10/11, 01/12, 04/13, 09/13, 03/14, 01/15, 03/15, 09/15, 01/16

California State Fire Marshal Fire Investigation 1B – 40 hour class

Techniques of Fire Investigation

1/04, 1/05, 1/06, 1/07, 06/09, 03/10, 11/11, 02/12, 12/13, 03/15

California State Fire Marshal Fire Investigation 2A - 40 hour class

Criminal and Legal Procedures

3/04, 4/05, 4/06, 05/08, 04/10, 04/11, 04/12, 01/14, 04/15

California State Fire Marshal Fire Investigation 2B - 40 hour class

Field Case Studies

5/04, 5/05, 5/06, 05/08, 05/10, 04/11, 05/12, 12/13, 02/14, 05/15

California State Fire Marshal Fire Certified Firefighter 1 Academy

Fire Prevention and Investigation

3/02, 3/02, 10/02, 10/02, 3/03, 10/03, 10/03, 3/04,
3/04, 9/04, 10/04, 3/05, 4/05, 10/05, 10/05, 3/06,
4/06, 10/06, 10/06, 3/07, 3/07, 9/07, 10/07, 03/08,
10/08, 10/08, 03/09, 03/09, 10/09, 03/10, 10/10, 05/11, 11/11

PRESENTATIONS:

South Bay Arson Task Force – Culver City

Fire Investigation Report Writing and NFPA 921/1033 Update

01/16

Los Angeles City Fire Department Arson Unit

NFPA 921/1033 Update

04/15

Farmers Insurance Group of Companies Training Conference

Introduction to Fire Investigation

03/15

Clovis Fire Department

Fire Investigation Report Writing and NFPA 921/1033 Update

01/15

Santa Monica Fire Department

NFPA 921/1033 Update and Court Resume Preparation

11/14

South Bay Arson Task Force

Fire Investigation Report Writing and NFPA 921/1033 Update

11/14

Mooresville (NC) Fire Department and Mitchell Community College

Legal Aspects of Fire Investigation, 921/1033 Changes, and Report Writing

10/12

Farmers Insurance Group of Companies Training Conference

Vehicle Arson and Insurance Fraud

06/12

Riverside County District Attorneys Office

Vehicle Arson Investigation

05/12

South Bay Arson Task Force

Analysis of Ford Recall SCDS Fires and Investigative Techniques

07/11

Orange County Arson Task Force

Fire Investigation Report Writing – NFPA 921

09/10

Pechanga Fire Department

Fire Investigation Report Writing – NFPA 921

07/10

South Bay Arson Task Force

Fire Investigation Report Writing – NFPA 921

04/10

Cathedral City Fire Department
Fire Investigation Techniques and Report Writing
03/09

International Association of Arson Investigators Annual Training Conference
Bloodhound Capabilities
04/07

Farmers Insurance Group of Companies Training Conference
Orientation to Insurance Fire Investigation
02/07

COURT QUALIFICATIONS

I have testified as an expert witness in fire origin and cause determination 27 times in the following courts:

Riverside Superior Court – Criminal
Los Angeles Superior Court – Civil
San Bernardino Superior Court – Civil
Ventura Superior Court - Criminal

I have been deposed as an expert witness 8 times.

PROFESSIONAL MEMBERSHIPS

California Conference of Arson Investigators
International Association of Arson Investigators
National Association of Fire Investigators
International Association of Firefighters
International Association of Fire Chiefs