

**ROBERT B. RAPPAPORT**  
**CURRICULUM VITAE**  
January 2020

**CURRENT POSITION**

**FIRE MARSHAL    CARPINTERIA-SUMMERLAND FIRE DEPARTMENT**

Responsible for the Fire Prevention Division, including training, personnel, equipment, and facilities; Supervisor of the Fire / Arson Investigation Unit.

**FIRE / ARSON INVESTIGATOR                      ADVANCED ANALYSIS, INC.**

Private fire investigation for insurance companies. Origin and cause determination, evidence collection. Identification of liability and subrogation potential.

**FIRE / ARSON INVESTIGATION INSTRUCTOR**

California State Fire Marshal Registered Instructor for Fire / Arson Investigation Level I and II courses (Arson Investigation 1A, 1B, 1C, 2A, 2B).

**CONSULTANT    RAPPAPORT CONSULTING**

Case report review, analysis and consultation. Expert Witness.

**GENERAL EXPERIENCE**

Fire service professional experience -	27 years
Fire investigation experience -	21 years
Certified Fire Investigator (CFI) -	17 years

**EMPLOYMENT HISTORY**

REDONDO BEACH FIRE DEPARTMENT	2010 to 2019
Fire Division Chief – Fire Marshal	
ADVANCED ANALYSIS, INC.	2005 to present
Fire / Arson Investigator	
CITY OF RIVERSIDE FIRE DEPARTMENT	1995 to 2010
Fire Captain	2002 to 2010
Fire / Arson Investigator	1999 to 2005
BUREAU OF ALCOHOL, TOBACCO, FIREARM AND EXPLOSIVES (BATFE)	
Arson Task Force Officer	2000 to 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 1,900 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
Certified Instructor, National Association of Fire Investigators (CFII)	March 2016
California Master Certified Fire Investigator (MCFI), CCAI	March 2017
Certified Instructor, International Association of Arson Investigators	June 2017
Certified Motor Vehicle Fire Investigator (CVFI), IAAI	April 2018

**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**

*Fire/Arson Investigation Training Conference*, California Conference of Arson Investigators (CCAI), September 2019

*Advanced Fire, Arson, and Explosion Investigation Training Program*, National Association of Fire Investigators, July 2019

*Critical Evaluation and Testing of Commonly Reported Accidental Causes*, International Association of Arson Investigators, Inc., CFITrainer.net June 2019

*Fire/Arson Investigation Training Conference – Cognitive Interviewing Course*, California Conference of Arson Investigators (CCAI), February 2019

*Understanding Undetermined*, International Association of Arson Investigators, Inc., CFITrainer.net December 2018

*Fire/Arson Investigation Training Conference*, California Conference of Arson Investigators (CCAI), March 2018

*Investigation of Butane Honey Oil Fires*, L.A. County District Attorneys Office, February 2018

*Knowledge 1 Motor Vehicle Fires Tier 1*, International Association of Arson Investigators, Inc., CFITrainer.net November 2017

*Vehicle Fire, Arson & Explosion Investigation Science & Technology Seminar*, National Association of Fire Investigators, September 2017

*Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems*, International Association of Arson Investigators, Inc., CFITrainer.net September 2017

*Prevention and Investigation of Commercial Kitchen Fires*, Phil Ackland & Associates, May 2017

*Fire/Arson Investigation Training Conference*, California Conference of Arson Investigators (CCAI), March 2017

*The Potential Value of Electronic Evidence in Fire Investigations*, International Association of Arson Investigators, Inc., CFITrainer.net January 2017

*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

**Private Investigator, State of California April 2010**

*Fire/Arson Investigation Training Conference*, California Conference of Arson Investigators (CCAI), November 2009

*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/Arson Investigation Training Conference*, California Conference of Arson  
Investigators (CCAI), 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 Training Conference*, California Conference of Arson  
Investigators (CCAI), July 2006

*Fire/Arson Investigation Training Conference*, California Conference of Arson  
Investigators (CCAI), July 2004

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

*Fire/Arson Investigation Training Conference*, California Conference of Arson  
Investigators (CCAI), July 2002



*Regional Instructor Orientation*, California State Fire Marshal May 2002

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

*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 Command 1A*, California State Fire Marshal June 1996

*Fire Command 1B*, California State Fire Marshal July 1996

*Fire Investigation 1A*, California State Fire Marshal May 1996

**Fire Fighter II, California State Fire Marshal April 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

*Basic Fire Investigation*

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, 06/18, 5/19

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

*Evidence and Documentation*

1/04, 1/05, 1/06, 1/07, 06/09, 03/10, 11/11, 02/12, 12/13, 03/15, 03/16, 07/18

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

*Preparation for Legal Proceedings*

08/18

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, 07/16

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, 08/16

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:**

California Conference of Arson Investigators Training Conference – San Luis Obispo  
*Accidental Fire Causes*  
09/19

Newport Beach Fire Department – Newport Beach  
*Fire Investigation Report Writing and 2017 NFPA 921/1033 Update*  
09/19

Culver City Fire Department – Culver City  
*Fire Investigation for Company Officers*  
10/18

Los Angeles City Fire Department – Los Angeles  
*Fire Investigation Report Writing and 2017 NFPA 921/1033 Update*  
05/18

Santa Monica Fire Department – Santa Monica  
*Fire Investigation for Company Officers*  
04/18

California Conference of Arson Investigators Training Conference – San Luis Obispo  
*Fire Investigation Report Writing*  
03/18

California Conference of Arson Investigators Training Conference – San Luis Obispo  
*Vehicle Fire Investigation*  
03/18

South Bay Arson Task Force – Manhattan Beach  
*Fire Investigation Report Writing and 2017 NFPA 921/1033 Update*  
06/17

Chula Vista Fire Department (CA)  
*Fire Investigation for Company Officers*  
06/17

Farmers Insurance Group of Companies Training Conference  
*Introduction to Fire Investigation*  
10/16

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 **28** 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 **10** 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