

ROBERT B. RAPPAPORT
CURRICULUM VITAE
May 2024

CURRENT POSITION

RAPPAPORT CONSULTING LLC
CONSULTANT

2008 to present

- Case report review, analysis and consultation
- Fire Expert Witness
- Trial and Deposition Preparation
- Fire Investigation

ADVANCED ANALYSIS, INC.
FIRE / ARSON INVESTIGATOR

2005 to present

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

FIRE / ARSON INVESTIGATION INSTRUCTOR

2002 to present

- California State Fire Marshal Registered Instructor
- Fire / Arson Investigation (Fire Investigation 1A, 1B, 1C; Company Officer 2C)
- Fire investigation presentations

GENERAL EXPERIENCE

Fire service professional experience -	31 years
Fire investigation experience -	24 years
Certified Fire Investigator (CFI) -	20 years

EMPLOYMENT HISTORY

CARPINTERIA-SUMMERLAND FIRE PROTECTION DISTRICT

Fire Marshal 2019 to 2022

REDONDO BEACH FIRE DEPARTMENT

Fire Division Chief – Fire Marshal 2010 to 2019

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 2013

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 2,800 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	2003
Certified Fire Investigator Level 2, California State Fire Marshal	2005
California Certified Fire Investigator (CFI), CCAI	2003
International Association of Arson Investigators (CFI), IAAI	2006
National Board on Fire Service Professional Qualifications (CFI)	2006
National Association of Fire Investigators (CFEI)	2009
Certified Instructor, National Association of Fire Investigators (CFII)	2016
California Master Certified Fire Investigator (MCFI), CCAI	2017
Certified Instructor, International Association of Arson Investigators	2017
Certified Motor Vehicle Fire Investigator (CVFI), IAAI	2018

PROFESSIONAL CERTIFICATIONS

Executive Chief Fire Officer (ECFO), California State Fire Marshal	2018
Strike Team Leader (STEN), California State Fire Marshal	2017
Member (MIFireE), The Institution of Fire Engineers	2016
Chief Fire Officer (CFO), Center for Public Safety Excellence (CPSE)	2015
Chief Officer Certification, California State Fire Marshal	2009

AWARD

Riverside Chamber of Commerce Public Safety Officer of the Month	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	2003
Riverside Chamber of Commerce Public Safety Officer of the Month	2003
Certificate of Special Congressional Recognition	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
CSFM Executive Chief Fire Officer Certification - 122 hours

LICENSES, CERTIFICATIONS, AND CONTINUED TRAINING

Fire/Arson Investigation Training Conference, California Conference of Arson Investigators (CCAI), October 2023

Fire Effects Part 1: Heat Effects on Fuels, International Association of Arson Investigators, Inc., CFITrainer.net, June 2023

Fire Effects Part 2: Combustion By-Products Effects, International Association of Arson Investigators, Inc., CFITrainer.net, June 2023

Fire/Arson Investigation Training Conference, California Conference of Arson Investigators (CCAI), March 2023

Scientific Protocols for Fire Investigations, John Lentini, January 2023

Private Investigator, State of Nevada, License #4161, January 2023

Fire/Arson Investigation Training Conference, California Conference of Arson Investigators (CCAI), October 2022

NFPA 1033 & 921: 2022/2021 Editions Important Updates, International Association of Arson Investigators, Inc., CFITrainer.net, July 2022

Fire/Arson Investigation Virtual Training Conference, California Conference of Arson Investigators (CCAI), June 2022

CACJ-CPDA Capital Case Defense Seminar 2022, California Attorneys for Criminal Justice, February 2022

Fire/Arson Investigation Training Conference, California Conference of Arson Investigators (CCAI), February 2022

Fire and Arson Fatality: Fire Scene Investigation, Oregon Chapter 31 of the International Association of Arson Investigators (IAAI), January 2022

Electric & Hybrid Vehicle Design Basics, International Association of Arson Investigators, Inc., CFITrainer.net, October 2021

Fire/Arson Investigation Training Conference, California Conference of Arson Investigators (CCAI), September 2021

Electric & Hybrid Vehicle Fires, International Association of Arson Investigators, Inc., CFITrainer.net, September 2021

Lithium-Ion Battery Fires, International Association of Arson Investigators, Inc., CFITrainer.net, September 2021

Fire Marshal 1C: Fire Investigation Program Management, California State Fire Marshal, September 2021

S-203 Introduction to Incident Information, National Wildfire Coordinating Group (NWCG), May 2021

NFPA 1033 and Your Career, International Association of Arson Investigators, Inc., CFITrainer.net, April 2021

Fire/Arson Investigation Training Conference, California Conference of Arson Investigators (CCAI), September 2020

Fire Investigator Legal Challenges, California Conference of Arson Investigators (CCAI), August 2020

2021 NFPA 921 Chapter 6 – Fire Patterns, International Association of Arson Investigators, Inc., CFITrainer.net, June 2020

2020 NFPA and Fire Investigation, International Association of Arson Investigators, Inc., CFITrainer.net, May 2020

Documenting the Event, International Association of Arson Investigators, Inc., CFITrainer.net, April 2020

Introduction to Appliances, International Association of Arson Investigators, Inc., CFITrainer.net, January 2020

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

Executive Chief Fire Officer, California Fire Service Training and Education System 2018

Knowledge 1 Motor Vehicle Fires Tier I, 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, License #26789 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

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, 05/19, 03/21, 04/23

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, 03/21, 04/21

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

Preparation for Legal Proceedings

08/18, 05/21

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 State Firefighter's Association (CSFA) – Riverside, CA
Fire Investigation and Report Writing for Company Officers
03/24

Beverly Hills Fire Department – Beverly Hills, CA
Fire Investigation and Report Writing for Company Officers
10/23

Rocklin Fire Department – Rocklin, CA
Fire Investigation and Report Writing for Company Officers
09/23

Sacramento County Arson Task Force – Rocklin, CA
Report Writing for Fire Investigators
09/23

Heartland Fire & Rescue – El Cajon, CA
Fire Investigation and Report Writing for Company Officers
06/23

California Conference of Arson Investigators Training Conference – San Luis Obispo
Fire Investigation Report Writing
03/23



Oregon Chapter 31 (Rogue Valley District) of the International Association of Arson Investigators (IAAI) – Medford, OR
Fundamentals of NFPA 921 with Case Review & Fire Investigation Report Writing
01/23

Palo Alto Fire Department – Palo Alto, CA
Report Writing for Fire Investigators
Fire Investigation and Report Writing for Company Officers
09/22

California Conference of Arson Investigators Training Conference – Chino Hills, CA
Courtroom Testimony for Fire Investigators
06/22

California Fire Prevention Institute (CFPI) – Buellton, CA
Courtroom Testimony for Fire Prevention Officers
03/22

Oregon Chapter 31 (Rogue Valley District) of the International Association of Arson Investigators (IAAI) – Medford, OR
2021 NFPA 921/1033 Update
01/22

Clovis Fire Department - Clovis, CA
Fire Investigation Report Writing and 2021 NFPA 921/1033 Update
10/21

International Association of Arson Investigators (IAAI) CFITrainer.net Webinar
Report Writing for Fire Investigators
10/21

Los Angeles City Fire Department (LAFD) Arson Unit – Los Angeles, CA
Fire Investigation and Report Writing for Company and Chief Officers
08/21

Los Angeles City Fire Department (LAFD) Arson Unit – Los Angeles, CA
2021 NFPA 921/1033 Update
08/21

International Association of Fire Chiefs (IAFC) Annual Training Conf. – Charlotte, NC
Fire Investigation and Report Writing for Company and Chief Officers
07/21

International Association of Fire Chiefs (IAFC) Annual Training Conference – Virtual
Fire Investigation and Report Writing for Company and Chief Officers
10/20

California Conference of Arson Investigators Training Conference – San Luis Obispo
Fire Investigation Report Writing
09/20

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

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

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

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

Santa Monica Fire Department – Santa Monica, CA
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, CA
Fire Investigation Report Writing and 2017 NFPA 921/1033 Update
06/17

Chula Vista Fire Department - Chula Vista, CA
Fire Investigation for Company Officers
06/17

Farmers Insurance Group of Companies Training Conference – Westlake Village, CA
Introduction to Fire Investigation
10/16

South Bay Arson Task Force – Culver City, CA
Fire Investigation Report Writing and NFPA 921/1033 Update
01/16

Los Angeles City Fire Department Arson Unit – Los Angeles, CA
NFPA 921/1033 Update
04/15

Farmers Insurance Group of Companies Training Conference – Westlake Village, CA
Introduction to Fire Investigation
03/15

Clovis Fire Department – Clovis, CA
Fire Investigation Report Writing and NFPA 921/1033 Update
01/15

Santa Monica Fire Department – Santa Monica, CA
NFPA 921/1033 Update and Court Resume Preparation
11/14

South Bay Arson Task Force – Hermosa Beach, CA
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 – Westlake Village, CA
Vehicle Arson and Insurance Fraud
06/12

Riverside County District Attorneys Office – Riverside CA
Vehicle Arson Investigation
05/12

South Bay Arson Task Force – Hermosa Beach, CA
Analysis of Ford Recall SCDS Fires and Investigative Techniques
07/11

Orange County Arson Task Force – Irvine, CA
Fire Investigation Report Writing – NFPA 921
09/10

Pechanga Fire Department (CA)
Fire Investigation Report Writing – NFPA 921
07/10

South Bay Arson Task Force – Manhattan Beach, CA
Fire Investigation Report Writing – NFPA 921
04/10

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

International Assoc. of Arson Investigators Annual Training Conf. – Victoria, Canada
Bloodhound Capabilities
04/07

Farmers Insurance Group of Companies Training Conference – Westlake Village, CA
Orientation to Insurance Fire Investigation
02/07

COURT QUALIFICATIONS

I have testified as an expert witness in fire origin and cause determination **32** times in the following courts:

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

I have been deposed as an expert witness **16** times.

PROFESSIONAL MEMBERSHIPS

California Conference of Arson Investigators	Director, 2020-2026
International Association of Arson Investigators	
National Association of Fire Investigators	
International Association of Firefighters	
International Association of Fire Chiefs	
International Intelligence Network	
National Association of Legal Investigators	