

**CURRICULUM VITAE**  
**FOR**  
**RICHARD B. GRUNBAUM, IAAI-CFI(V), CFEI, CVFI, CFII, ECT**  
**Fire Origin and Cause Investigator**  
**Private Investigator Licenses - CA PI20512**

Fire Origin and Cause, Inc.  
P.O. Box 4422 Huntington Beach, CA 92605  
Email - rick@fireoc.com Web Page www.fireoc.com  
Mobile 714-206-5424 - Office 877-300-3431

**CAPABILITIES:**

Qualified to investigate fire scenes and explosions, involving residential, commercial, industrial, automotive marine vessels, wildland, hazardous materials, arson and explosions. Locate the seat of the explosion or point of origin, determine the cause, collect and record samples for laboratory analysis. Prepare investigation reports containing cause and origin analysis, witness statements, photographs, diagrams, video when required, along with any other additional components necessary to determine the origin and cause. Take aerial videos and photographs. Document fire scene with Matterport 3D scan. Render a professional opinion with respect to origin and cause investigation. Give expert testimony as to the results of these investigations along with case review and analysis. Conduct hazardous materials investigations of fires, spills, leaks and illegal discharges. A systematic approach using the Scientific Method as outlined in NFPA 921 is utilized when performing fire scene investigations.

**EDUCATION:**

BS degree in Vocational Education, California State Long Beach, June 2000  
AA degree in Fire Science, Santa Ana College, Santa Ana, CA., June 1975  
High School Graduate, Edison High School, Huntington Beach, CA., June 1971

**EXPERIENCE:**

Private Fire Investigator – Twenty-four (24) years – Fire Origin and Cause, Inc.  
Thirty-seven (37) years of progressive experience with the Huntington Beach Fire Department (Retired).  
Thirty (30) years in Fire and Arson Investigation with the Huntington Beach Fire Department  
Twenty (20) years, Hazardous Materials Investigation  
Part time employee for General Contractor in building construction - 3 years  
Investigation of over 2500 fires, including Structures, Vehicles, Marine, Wildland, Flammable Bombs, Explosive Devices, and other miscellaneous incidents, both accidental and incendiary.

**LICENSES AND CERTIFICATIONS:**

Licensed State of California Private Investigator - PI20512  
Certified Fire Investigator – (CFI) International Association of Arson Investigators  
Certified Evidence Collection Technician (ECT) International Association of Arson Investigators  
Specialized Credential Certification – Motor Vehicle Fire Investigation  
Certified Fire and Explosion Investigator (CFEI) – National Association of Fire Investigators  
Certified Vehicle Fire Investigator (CVFI) – National Association of Fire Investigators  
Certified Fire Investigator Instructor (CFII) - National Association of Fire Investigators  
Certified Fire Investigator - (CFI) California Conference of Arson Investigators  
Certified Fire Investigator I – California State Fire Marshal’s Office

Certified Fire Investigator II – California State Fire Marshal’s Office

**LICENSES AND CERTIFICATIONS (cont.):**

Certified Chief Officer	Certified Fire Prevention Officer
Certified Fire Officer	Certified Hazardous Materials Tech. 1
Certified Firefighter 1	Certified Hazardous Materials Tech. 2
Certified Firefighter 2	Certified Fire Instructor

**COURT QUALIFICATIONS:**

United States Federal Court – Expert Witness in Fire Origin and Cause – Criminal Case  
Orange County Superior Court – Expert Witness in Fire Origin and Cause – Criminal and Civil Cases.  
Los Angeles County Superior Court – Expert Witness in Fire Origin and Cause.  
Orange County Superior Court, Juvenile Division – Expert Witness in Fire Origin and Cause.  
Riverside County Superior Court - Expert Witness in Fire Origin and Cause.  
San Diego County Superior Court - Expert Witness in Fire Origin and Cause  
Depositions - Gave testimony as Expert Witness in Fire Origin and Cause, Numerous Civil Cases

**TEACHING CREDENTIALS:**

State of California, Community College Teaching Credential  
State Fire Marshal’s Office – Certified Instructor for Fire Investigation 1A, 1B and 2  
State Fire Marshal’s Office – Certified Instructor for Fire Prevention 1A, 1B, and 1C

**SPECIALIZED TRAINING:**

CCAI – Advanced Fire Investigation Seminar – 10/2022 – Tested  
IAAI – Investigating Motor Vehicle Fires – 24 hours 1/2022 - Tested  
CCAI – Advanced Fire Investigation Seminar – 9/2021 - Tested  
CCAI – Advanced Fire Investigation Seminar – 2/2021 - Tested  
CCAI – Advanced Fire Investigation Seminar – 9/2020 - Tested  
CCAI – Advanced Fire Investigation Seminar – 9/2019 - Tested  
CCAI – Advanced Fire Investigation Seminar – 9/2018 - Tested  
IAAI – Advanced Fire Investigation Seminar – 4/2017 – Tested  
CCAI – Advanced Fire Investigation Seminar – 11/2017 - Tested  
CCAI – Advanced Fire Investigation Seminar – 1033 – 10/16 - Tested  
CCAI – Issues with Electrolux Dryer Fires and Arc Mapping – 6/2016  
CCAI – Marine Fire Investigations 6/18  
CCAI – “Burn to Learn” – 3/7/16 - Tested  
CCAI - NFPA 1033 - 3/30/15 - Tested  
IAAI - Advanced Fire Investigation Seminar - 4/2014  
IAAI - Advanced Fire Investigation Seminar - 5/2011  
NAFI - Advanced Fire Investigation Seminar - 3/2011  
Fire Investigation 1 – State Fire Marshal’s Office  
Fire Investigation 2 - State Fire Marshal’s Office  
Fire Investigation 3 - State Fire Marshal’s Office  
O.C.A.I – Kinesics Interviewing  
Electrical Appliance Investigation – Public Agency Training Council  
CSTI Haz-Mat Investigation  
CSTI Officer Safety  
C.C.A.I. Bi-Annual Seminars 1998 to Present

## **SPECIALIZED TRAINING:**

H.B.P.D. Psychological Profiling  
Haz-Mat Flammable Liquids  
Alcohol, Tobacco, and Firearms – Arson for Profit  
C.C.A.I Seminar NFPA 921 – 8 Hrs.  
C.C.A.I – Live Fire Tests – Doug Allen  
C.C.A.I – Fire Death Investigation – Jim Allen  
Public Agency Training Council – Vehicle Fires  
IAAI – CFITrainer – Motor Vehicles: The Engine and the Ignition, Electrical and fuel systems  
IAAI – CFITrainer – Motor Vehicles: Transmission, Exhaust, Brake and Accessory Systems  
IAAI – CFITrainer – Motor Vehicles: The Engine and the Ignition, Electrical and fuel systems  
IAAI – CFITrainer – The Scientific method for Fire and Explosion Investigation - Updated 2009  
IAAI – CFITrainer – Introduction to Fire Dynamics and Modeling  
IAAI – CFITrainer – Investigating Motor Vehicle Fires  
IAAI – CFITrainer – Introduction to Evidence  
IAAI – CFITrainer – Physical Evidence at the Fire Scene  
IAAI – CFITrainer – Understanding Fire through the Candle Experiments  
IAAI – CFITrainer – Documenting the Event  
IAAI – CFITrainer – Investigating Fatal Fires  
IAAI – CFITrainer – Fire Investigator Scene Safety  
IAAI – CFITrainer – Managing Complex Fire Scene Investigations  
IAAI – CFITrainer – Digital Photography and the Fire Investigator  
IAAI – CFITrainer – An Analysis of the Station Nightclub Fire  
IAAI – CFITrainer – Insurance and the Fire Investigation  
IAAI – CFITrainer – Post Flashover Fires  
IAAI – CFITrainer – Arc Mapping Basics  
IAAI – CFITrainer – Fire and Explosion Investigations: Utilizing NFPA 1033 and 921  
IAAI – CFITrainer – The HAZWOPER Standard  
IAAI – CFITrainer – Preparation for the Marine Fire Scene  
IAAI – CFITrainer – Electrical Safety  
IAAI – CFITrainer – Fundamentals of Residential Building Construction  
IAAI – CFITrainer – MagneTek: A Case Study in the Daubert Challenge  
IAAI – CFITrainer – Wildland Fire Investigation  
IAAI – CFITrainer – Evidence Examination: What Happens at the Lab?  
IAAI – CFITrainer – The Practical Application of the Relationship Between NFPA 1033 & 921  
IAAI – CFITrainer – NFPA 1033 and Your Career  
IAAI – CFITrainer – Ethics and the Fire Investigator  
IAAI – CFITrainer – DNA  
Serial Arson Analysis and Planning

## **COURSES AND SEMINARS INSTRUCTED:**

Master Instructor for Santa Ana College, Santa Ana, CA – Fire Investigation 40 hour intensified class.  
Numerous classes since 1978  
Master Instructor for Santa Ana College, Santa Ana, CA – Fire Prevention 40 hour intensified class.  
Numerous classes since 1978  
Master Instructor for Santa Ana College, Santa Ana, CA – Basic Fire Academy – 8-hour class. Numerous classes since 1996.  
California Conference of Arson Investigators – Jan. 1998 – Investigative Resources on the Internet  
California Conference of Arson Investigators – Jan. 2005 – Report Writing

## **COURSES AND SEMINARS INSTRUCTED:**

Western States Auto Theft Investigators - Nov. 1999 - Investigative Resources on the Internet  
Fire Investigation Report Writing  
Fire Investigation Photography  
Fire Cause and Origin, Strategy and Tactics  
Incident Command System  
Flammable Liquids in Fire Investigations  
Fire Behavior  
Vehicle Fire Investigation  
Company Officer and Firefighter Recognition of Arson Fires  
Guest Speaker at Numerous Community Meetings - Arson  
Basic Cause and Origin - H.B.F.D Numerous Classes

## **TEST BURNS:**

International Assoc. of Arson Investigators - Vehicle Fires 1/25/2022  
California Conference of Arson Investigators - Structure Fires 11/2017  
California Conference of Arson Investigators - Vehicle Fires  
California Conference of Arson Investigators - Electrical Fires  
City of Santa Ana - Structure Fires  
City of Huntington Beach - Structure Fires  
City of Huntington Beach - Flashover Chamber  
Public Agency Training Council - Vehicle Fires  
C.C.A.I. Electrical Fires - March 2008

## **PUBLICATIONS:**

Numerous articles written for Huntington Beach Police and Fire Department personnel.

## **PROFESSIONAL AFFILIATIONS:**

California Conference of Arson Investigators  
International Association of Arson Investigators  
National Association of Fire Investigators  
Orange County Arson Investigators  
International Association of Marine Investigators  
National Fire Protection Association  
Instructor for the State of California  
Instructor for Santa Ana College - Investigation / Prevention  
Orange County Fire Prevention Officers (past)  
California Fire Chiefs Association (past)