

Gregory Hoerner | Fire Investigator, CFEI - CVFI

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Professional Summary:

Gregory Hoerner is a 20-year veteran of the fire and emergency services. Graduating 'top recruit' in the drill tower, he began his career as a firefighter-paramedic and worked his way to the position of Fire Inspector II. His tenure includes experience completing code-compliance inspections, complex fatal fire investigations, expert testimony, and multi-million-dollar new construction plans-review projects. He has worked the busiest stations and has responded to fires from South Central and Skid Row, to the San Fernando Valley. He is currently studying fire protection engineering at Eastern Kentucky University and has taken a wide range of fire and forensics courses. Growing up the son of a structural engineer he was taught the principals of building design at an early age. He is proficient in CAD drawing, Pyrosim, and FDS computer-fire modeling applications. Greg has prior experience working in the field of automotive and engine repair and attained certification as an ASE Master Mechanic. He is a current member of the California Conference of Arson Investigators, NAFI, IAAI, SFPE, ASTM, and the So Cal Fire Prevention Officers Association. He was recently selected by NFPA to serve as a technical expert on its 704 Standard Committee.

Licenses and Certifications:

Certified Fire and Explosion Investigator (CFEI), National Association of Fire Investigators,
License # 27606-16067

Certified Vehicle Fire Investigator (CVFI), National Association of Fire Investigators

Fire Investigation Technician (IAAI-FIT), International Association of Arson Investigators

Fire Officer (2015), California State Fire Marshal's Office

Master Automobile Technician (ASE), National Institute for Automotive Service Excellence

Court Qualifications/ Depositions:

Litigation CV Available Upon Request

Professional Experience:

EFI Global, Fire Investigator, 2023 – Present

Garrett Forensics, Fire and Arson Investigator, 2022 – 2023

Los Angeles City Fire Department, Fire Inspector II, 2003 – 2023

Specialized Education:

2023 Vehicle Fire Investigation Training Program – NAFI

Forensic Fire Death Investigations – SLOFIST conference

Sept 2023

June 2023

Undetermined or Under-Investigated - IAAI webinar / CFI trainer	June 2023
PC 832A: Arrest and Control Techniques – POST	Mar 2023
Interview and Interrogation – BATI and POST	Feb 2023
FSE 480 Industrial Fire Safety – EKU	Dec 2022
Crime Scene Reconstruction and the Fatal Fire Victim -HD forensics	Oct 2022
Legal Challenges for the Arson Investigator – CCAI	Sept 2022
EMS Bomb Blast Injuries Advanced – Vector Web-training	Aug 2022
EMS Carbon Monoxide Poisoning – Vector Web-training	Aug 2022
EMS Burn Management Basic – Vector Web-based training	Aug 2022
EMS Burn Management Advanced – Vector Web-based training	Aug 2022
EMS Crime Scene Awareness – Vector Web-based training	Aug 2022
EMS Bomb Blast Injuries Advanced – Vector Web-based training	Aug 2022
Updates on Emergency Lighting – UL webinar	Aug 2022
Clean Agent Fire Extinguishment – OCFPO training	July 2022
Post-fire Smoke Damage Assessments and Remediation – webinar	Apr 2022
Sprinkler 709 Fitters: Standpipe and Fire Sprinkler System Training	Mar 2022
NASP webinar- Fire Suppression System Failures -IAAI	Mar 2022
FSE 350: Fire Arson & Explosion Investigations - EKU	Mar 2022
CFI Trainer – The Practical Application of NFPA 1033 and NFPA 921	Feb 2022
CFI Trainer – Documenting the Event	Feb 2022
Plan Examiner 1A- Building Plan Review	Feb 2022
CFI Trainer – Post Flashover Fires	Jan 2022
CFI Trainer – Fire Flow Analysis	Jan 2022
CFI Trainer – The Scientific Method for Fire and Explosion Inv.	Jan 2022
FSE 224: Human Behavior in Fire – EKU	Dec 2021
How to Prepare for Arson Cases – Tom Fee CCAI	Nov 2021
Swift Fire Alarm Wireless Technologies – OCFPO	Oct 2021
PC451 Arson Invest. Report & Penal Code Orientation – CCAI webinar	Oct 2021
FSE 300W: Tech. Report Writing for Emergency Service – EKU	Oct 2021
CFI Trainer – Occ. Exposures to Carcinogens at the Fire Scene	Sept 2021
CFI Trainer – Lithium-Ion Battery Fires	Sept 2021
CFI Trainer – Electric and Hybrid Vehicle Design Basics	Sept 2021
CFI Trainer – Electric and Hybrid Vehicle Fires	Sept 2021
CFI Trainer – Photovoltaic Cells and systems	Sept 2021
CFI Trainer – Introduction to Appliances	Sept 2021
CFI Trainer – Emerging Technologies in Fire Investigation	Sept 2021
Working Relationships O&C and Electrical Engineers – IAAI webinar	Sept 2021
What Happens When Your Fire Loss Goes to Court – IAAI webinar	Sept 2021
How to Effectively Inspect a BDA/ERRCS System – SoCal FPO webinar	Sept 2021
Fire Investigation for Company Officers – Rob Rappaport	Aug 2021
NFPA 921 and 1033 Update (2021) – Rob Rappaport	Aug 2021
Commercial and Residential Fire Sprinkler Training – OCFPO	Aug 2021
FTEC-2, Fire Prevention Technology – El Camino college	Aug 2021
Recognizing Burning to Defraud – IAAI webinar	Aug 2021
CBC Chapter 7A – Mat. & Const. for Ext. Wildfire Exposure – SoCal FPO	Aug 2021
Fire Protection Considerations ASRS and Parking garages -SoCal FPO	July 2021
ADJU-50, Introduction to Forensic Science – Mt Sac	June 2021
Investigating a Fire Fatality – IAAI webinar	June 2021
Subrogation Fire and Explosions Involving Death – webinar NASP	June 2021
Advanced Criminal Investigations – Blue to Gold	May 2021
Digital Photography: Documenting the Scene – Public Safety Alliance	April 2021

Low-Light Photography: Master the Speed of Light – Public Safety Alliance	April 2021
Discovery and Science of Smart Meter Fires- CCAI	April 2021
Alt. Materials and Methods Requests for the AHJ - CFPI conf. webinar	Mar 2021
Tall Mass Timber and the IBC – CFPI conf. webinar	Mar 2021
Firewise: Fire Prevention in the WUI – CFPI conf. webinar	Mar 2021
NFPA 241 Fire Safety for Build under Construction – CFPI conf. webinar	Mar 2021
ESS California Adoption of the 2021 IFC/IRC – CFPI conf. webinar	Mar 2021
Fire-13, Principles of Fire and Emergency Services Safety and Survival	Feb 2021
Advanced Search and Seizure In-Person – Blue to Gold	Feb 2021
Fire-3, Fire Protection Systems – Mt Sac	Feb 2021
HVAC Interface – CAFAA conference webinar	Feb 2021
Fire Code Roundtable – CAFAA conference webinar	Feb 2021
NFPA 4 and the 2019 Fire Code – CAFAA conference webinar	Feb 2021
EERCS/BDA by JD Plouffe (Honeywell) – CAFAA conference webinar	Feb 2021
California Conf of Arson Investigators 2021 Conference – web-based	Feb 2021
Impact of Code Compliance on Fire Investigations – OCFPO R. Rowe	Jan 2021
Water Tanks and NFPA 25 – SoCal SFPE webinar	Dec 2020
Impact of Ventilation on Fire Patterns – SFPE webinar Madrzykowski	Dec 2020
Profiling the Arsonist from Childhood Through Adult Life – LAHIDTA	Dec 2020
Working the Fire Scene- ART Black/ John Reed CCAI	Nov 2020
FPO Academy, Fire Sprinkler 13D and 13R – SoCal FPO	Oct 2020
FPO Academy, Intro to CA Statutes and Regulations – SoCal FPO	Oct 2020
Smoke Alarms and Carbon Monoxide Alarms – UL web series	Oct 2020
Legal Updates (Civil & Criminal Case Law Changes) – D Bridges -CCAI	Oct 2020
The Prosecution of Cannabis, It's Bi-Products – L Guber – CCAI	Oct 2020
Pressure Reducing Valves: Understanding the Requirements – UL	Sept 2020
Indoor Air Quality and Ventilation: Health, Safety – UL web series	Sept 2020
NFPA 921 Updates & Scientific Methodology – R. Watson - CCAI	Sept 2020
Fire Dynamics and Fire Pattern Analysis – S. Carman – CCAI	Sept 2020
Civil Investigation Case Study – Rick Jones _CCAI	Sept 2020
Criminal Investigation Case Study – Steve Carman – CCAI	Sept 2020
Report Writing and Creating Your CV – R Rappaport – CCAI	Sept 2020
CFITrainer Updates – D Heenan & C Van Vleet – CCAI	Sept 2020
Honey Oil Extraction & Fire Scene Hazards – V Massenkoff – CCAI	Sept 2020
Building Your Arson Case "The Investigation After Your O&C"-CCAI	Sept 2020
Fire Investigation Legal Challenges Webinar – CCAI	Aug 2020
ELA902: Runaway Reactions – AiChE Academy	Aug 2020
ELA962: Chemical Reactivity Hazards – AiChE Academy	Aug 2020
Common Chemicals and Their Major Hazards – AiChE Academy	Aug 2020
ELA952: Identifying and Min. Process Safety Hazards– AiChE Academy	Aug 2020
ELA901: Safety in the Chemical Process Industries – AiChE Academy	Aug 2020
ELA995: Risk Based Process Safety – AiChE Academy	Aug 2020
ELA963: Fire Hazards – AiChE Academy	Aug 2020
Explosion Hazards – AiChE Academy	Aug 2020
Fire 6 – Hazardous Materials/ ICS (Mt. Sac)	July 2020
ELA951: Hazard Recognition – AiChE Academy	July 2020
ELA992: Certificate Program: Dust Explosions – AiChE Academy	July 2020
Incorporating Google in Investigations – Penlink webinar	July 2020
Tips and Trick for Leveraging Facebook and Instagram -Penlink	July 2020
Fire 4- Building Construction for the Fire Service (Mt. Sac)	June 2020
Fire 2- Fire Prevention Technology (Mt. Sac)	June 2020

Fire Suppression Pre-Action/ Clean Agents Systems – SoCal FPO	May 2020
Mastering Consent Searches Webinar- Blue2Gold Training	May 2020
Interview and Interrogation Law Webinar – Blue2Gold Training	May 2020
Warrantless Home Entries, Curtilage and Open Fields- Blue2Gold	May 2020
Butane Honey Oil Investigations (HIDTA)	May 2020
Improvised Explosive Device Recognition (HIDTA)	May 2020
Making Meth – LAHIDTA	May 2020
Interviews and Interrogations – LAHIDTA	May 2020
Report Writing -California Conference on Arson Investigation	May 2020
Detective School- The Crime Lab (HIDTA)	May 2020
Detective School- Search and Seizure Update (HIDTA)	May 2020
Fire Marshal 1C – Fire Investigation Program Management	Mar 2020
Smoke Control Testing and Acceptance (SFPE)	Mar 2020
Presentation on Fire Sprinklers, NFPA 13 and 25 (OCFPO)	Feb 2020
Homicide School- Court Preparations (HIDTA)	Feb 2020
Homicide School- Officer Involved Shootings and High-Profile Deaths	Feb 2020
Homicide School- Arson Related Homicides (HIDTA)	Feb 2020
Homicide School- In-Custody Undercover Operations (HIDTA)	Feb 2020
Homicide School- Homicide Law (HIDTA)	Feb 2020
Homicide School- Child and Elder Murder Investigations (HIDTA)	Feb 2020
Homicide School- Homicide Crime Scenes (HIDTA)	Feb 2020
Homicide School- Homicide Case Management (HIDTA)	Feb 2020
Fire 5- Fire Behavior and Combustion (Mt. Sac)	Feb 2020
Fire Inspector 2D: Hazardous Materials, Operations, and Processes	Nov 2019
NFPA 72 Fire Alarm Seminar – Bay Alarm	Nov 2019
Fire Inspector 2C: Inspecting New and Existing Fire and Life Safety	Oct 2019
Fire Inspector 2B: Fire and Life Safety Requirements	Oct 2019
Fire Prevention and the Law: Legal Aspects of Fire Prevention	Oct 2019
ICS 400, Advanced ICS Command and General Staff Complex	Oct 2019
2019 Fire Protection Engineering Symposium (SoCal SFPE)	Oct 2019
Expert Witness Testimony – International Association of Arson Inv.	Sept 2019
Low Energy Ignitions, Fire Investigation History- J DeHaan	Sept 2019
Incendiary Devices – Ed Nordskog (CCAI seminar)	Sept 2019
Fire Marshal 1B – Community Relations & Fire Life Safety Education	Aug 2019
Fire Marshal 1D – Community Risk Reduction Program Management	Aug 2019
Open-Source Intelligence Training (O.S.I.N.T.) – basic	Aug 2019
Open-Source Intelligence Training (O.S.I.N.T.) – advanced	Aug 2019
Terrorism Liaison Officer Training (TLO) – basic	Aug 2019
Fire Safety During Construction Q0379 seminar - ICC	Aug 2019
Q0379 Initial Fire Investigation for First Responders – FEMA – NFA	June 2019
CFI Trainer – Evaluation of Commonly Reported Accidental Causes	June 2019
CFI Trainer – Evidence Examination: What Happens at the Lab?	June 2019
CFI Trainer – Explosion Dynamics	June 2019
CFI Trainer – Fire Flow Analysis	June 2019
CFI Trainer – Fire Investigation for Fire Officers	June 2019
CFI Trainer – Fire Investigator Scene Safety	June 2019
CFI Trainer – Fundamentals of Interviewing	June 2019
CFI Trainer – Fundamentals of Residential Building Construction	June 2019
CFI Trainer – How First Responders Impact the Fire Investigation	June 2019
CFI Trainer – Introduction to Fire Dynamics and Modeling	June 2019
CFI Trainer – Introduction to Youth-Set Fires	June 2019

CFI Trainer – Investigating Fatal Fires	June 2019
CFI Trainer – Fire and Explosion Incidents Involving L.O.D. Death	June 2019
CFI Trainer – Investigating Motor Vehicle Fires	June 2019
CFI Trainer – Investigating Natural Gas Systems	June 2019
CFI Trainer – Legal Aspects of Investigating Youth-Set Fires	June 2019
CFI Trainer – MagneTek: A Case Study in The Daubert Challenge	June 2019
CFI Trainer – Managing Complex Fire Scene Investigations	June 2019
CFI Trainer – Motor Vehicles: Engine and Ign., Elec. and Fuel Systems	June 2019
CFI Trainer – Motor Vehicles: Trans., Exhaust, Brake and Acc. Systems	June 2019
CFI Trainer – NFPA 921 and 1033, 2014 ed.: Important Revisions	June 2019
CFI Trainer – Post- Flashover Fires	June 2019
CFI Trainer – Preparation for the Marine Fire Scene	June 2019
CFI Trainer – Process of Elimination	June 2019
CFI Trainer – Residential Natural Gas Systems	June 2019
CFI Trainer – Search and Seizure	June 2019
CFI Trainer – The Deposition Part 1: Format, Content and Prep.	June 2019
CFI Trainer – Deposition Part 2: Questioning Tactics and Responses	June 2019
CFI Trainer – The HAWOPER Standard	June 2019
CFI Trainer – Impact of Ventilation in Building on Fire Development	June 2019
CFI Trainer – Potential Value of Electronic Evidence in Fire Investigations	June 2019
CFI Trainer – Thermometry, Heat, and Heat Transfer	June 2019
CFI Trainer – Understanding Fire Through the Candle Experiment	June 2019
CFI Trainer – Fire Investigator’s Job: A Guide for Non-Investigators	June 2019
CFI Trainer – Understanding Undetermined	June 2019
CFI Trainer – Using Resources to Validate your Hypothesis	June 2019
CFI Trainer – Vacant and Abandoned Buildings: Hazard and Solutions	June 2019
CFI Trainer – What Insurance Needs to Know About Fire Investigations	June 2019
CFI Trainer – Wildland Fires Investigation	June 2019
CFI Trainer – Arc Mapping Basics	May 2019
CFI Trainer – Charleston Sofa Super Store Fire	May 2019
CFI Trainer – Communicating the Value of Membership in IAAI	May 2019
CFI Trainer – Critical Thinking Solves Cases	May 2019
CFI Trainer – An Analysis of the Station Nightclub Fire	May 2019
CFI Trainer – Digital Photography and the Fire Investigator	May 2019
CFI Trainer – Documenting the Event	May 2019
CFI Trainer – Discovery in Civil Cases	May 2019
CFI Trainer – Discover in Criminal Cases	May 2019
CFI Trainer – DNA	May 2019
CFI Trainer – Effective Investigation and Testimony	May 2019
CFI Trainer – Electrical Safety	May 2019
CFI Trainer – Ethical Duties Beyond the Fire Scene	May 2019
CFI Trainer – Ethics and Social Media	May 2019
CFI Trainer – Fire Protection Systems	May 2019
CFI Trainer – Introduction to Evidence	Mar 2019
CFI Trainer – NFPA 1033 and Your Career	May 2019
CFI Trainer – Physical Evidence at the Fire Scene	May 2019
CFI Trainer – Residential Electrical Systems	May 2019
CFI Trainer – The Practical Application of NFPA 1033 and NFPA 921	May 2019
CFI Trainer – Writing the Initial Cause and Origin Report	May 2019
CFI Trainer – Accreditation, Certification, and Certificates	April 2019
CFI Trainer – Charting Your Career Path in Fire Investigation	April 2019

Fire Investigation 1B-Evidence and Documentation (2017)	Mar 2019
Statutes and Regulations (2015)	Feb 2019
Motion Picture/ Television- Fire Safety Officer	Feb 2019
Fire Investigation 1A- Basic Fire Investigation (2017)	Feb 2019
CFI Trainer – Ethics and the Fire Investigator	Jan 2019
CFI Trainer – Fire Chemistry	Jan 2019
CFI Trainer – Basic Electricity	Jan 2019
Fire Investigation 1C- Preparation for Legal Proceedings (2017)	Nov 2018
CFI Trainer – Insurance and the Fire Investigation	Nov 2018
CFI Trainer – Motive, Means, and Opportunity:	Oct 2018
Fire Inspector 2A: Fire Prevention Administration (2010)	Sept 2018
Aerial Outdoor Public Displays (Fireworks)	Apr 2018
Regulating Fire Safety in Cannabis and Marijuana Facilities	Feb 2018
Hazardous Materials First Responder Awareness Level	Feb 2018
Aerial and Theatrical Fireworks Training	June 2017
Fire Inspector 1B: Fire and Life Safety (2010)	Apr 2017
Fire Inspector 1C: Field Inspections (2010)	Apr 2017
Fire Inspector 1D: Field Inspection -California Specific (2010)	Apr 2017
Fire Inspector 1A: Duties and Administration (2010)	Mar 2017
Group Crisis Intervention	Jan 2017
FEMA IS-00317 – Introduction to CERT	Aug 2016
Fire Command 1B – Incident Management for Company Officers	May 2016
Fire Mechanic 1 – Fire Pumps and Accessories	April 2016
Auto Extrication	Feb 2016
Proximate Audience Pyrotechnics	Sept 2015
Fire Investigation 1A – Fire Origin and Cause Determination	Aug 2015
CFI Trainer– The Scientific Method for Fire and Explosion Investigation	Aug 2015
Command 1C- Command Operations for the Company Officer	July 2015
Intermediate Wildfire Fire Behavior, S-290	July 2015
Command 1A – Structure Fire Command Operations for the Co. Officer	June 2015
Training Instructor 1C – Instructional Development Techniques	May 2015
Ethical Leadership in the Classroom	May 2015
Fire Management 1 – Management/Supervision for Company Officers	May 2015
Fire Prevention 1- Fire and Life Safety Inspections for the Co. Officer	Apr 2015
Training Instructor 1B- Psychomotor Lesson Delivery	Mar 2015
ICS 300 – Intermediate ICS for Expanding Incidents	Mar 2015
Training Instructor 1A – Cognitive Lesson Delivery	Feb 2015
Regional Instructor Orientation	Feb 2015
ICS 100 – Introduction to Incident Command Systems	2015
ICS 200 – ICS for Single Resources and Initial Action Incidents	2015
IS 700 – NIMS, an Introduction	2015
IS 800 – National Response Framework (NRF), an Introduction	2015
Introduction to Wildfire Behavior, S-190	2015

Education:

Associate degree, Emergency Medical Services, Mt San Antonio College, Walnut, CA, 2015

Affiliations:

National Fire Protection Association (NFPA) – Technical Committee Member NFPA:704 Standard
International Association of Arson Investigators (IAAI)
National Association of Fire Investigators (NAFI)
California Conference of Arson Investigators (CCAI)
International Association of Firefighters, IAFF
International Code Council (ICC)
American Institute of Chemical Engineers (AIChE)
California Fire Chiefs Association - SoCal Fire Prevention Officers (SoCal FPO)
California Automatic Fire Alarm Association (CAFAA)
Southern California Society of Fire Protection Engineers (SoCal SFPE)