

CURRICULUM VITAE

STEVE ENGLER

IAAI-CFI[®], NAFI-CFEI, CCI, ECT, CI

Professional Experience

- **Certified Fire Investigator**, Fire Cause Analysis - CA 2023 – Present
- **Acting Lieutenant**, San Francisco Fire Department; Bureau of Fire Investigations
2023 – Present

Under direction from an H-32 Captain, the H-24 Lieutenant maintains Department and bureau records; writes and reviews reports and correspondence; enforces policies, procedures, rules and regulations; directs, evaluates, counsels and provides training to subordinates; represents the Department to the public and other government agencies; assists with and/or conducts fire investigations and determines origin and cause of fire; documents and secures physical evidence; assists with the resolution of civil or criminal cases including testifying in court; and performs other related duties as required.

- **A/H-24; Lieutenant / Investigator** 2020- Present
- **H-6; Fire Investigator** Sept 2017 – July 2020
- **A/H-24; Training Lieutenant** Jan 2016 – Sept 2017
- **H-6; Fire Investigator** Nov 2011 – Jan 2016
- **H-2; Firefighter** Oct 2008 – Nov 2011
- **Acting H-20; Lieutenant** Mar 2008 – Oct 2008
- **LW/LP H-20; Lieutenant** April 2004 – Mar 2008

FIRE INVESTIGATION - FORENSICS - FIRE SCIENCE & ENGINEERING

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- **H-2; Firefighter**

Nov 1990 – April 2004

Education

- Monterey Peninsula College Monterey, CA
 - Fire Investigation Courses
- San Diego Regional Training Center Castaic, CA
 - POST Certificate
- Texas A & M Engineering Extension College Station, TX
 - ICS Certificate
- College of the Sequoias Visalia, CA
 - POST Certificate
- City College of San Francisco San Francisco, CA
 - Fire & POST Classes

Professional Designations and Certifications

- **Certified Fire Investigator** - International Association of Arson Investigators #22-011986
- **Certified Fire and Explosion Investigator** - National Association of Fire Investigations #19000-13300
- **Certified Evidence Collection Technician** - International Association of Arson Investigators
- **Certified Instructor** - International Association of Arson Investigators

Professional Associations

- California Conference of Arson Investigators (CCAI)
- International Association of Arson Investigators (IAAI)
- National Association of Fire Investigators (NAFI)
- International Association of Fire Fighters (IAFF)

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Professional Development

Post-Blast Investigative Techniques; NCETR; 04/16/21; 40 Hrs

Electric & Hybrid Vehicle Fires; CFI Trainer.net; 02/28/21; 3-Hrs

Electric & Hybrid Vehicle Design Basics; CFI Trainer.net; 02/24/21; 3-Hrs

Preparation for the Marine Fire Scene; CFI Trainer.net; 12/13/20; 4-Hrs

The HAZWOPER Standard; CFI Trainer.net; 12/13/20; 4-Hrs

Emerging Technologies in Fire Investigations; CFI Trainer.net; 12/13/20; 3-Hrs

Investigating Fire and Explosion Incidents Involving a Line-of-Duty Death; CFI Trainer.net;

12/13/20; 3-Hrs

The Potential Value of Electronic Evidence in Fire Investigations; CFI Trainer.net; 12/10/20;
4-Hrs

Investigating Natural Gas Systems; CFI Trainer.net; 12/10/20; 3-Hrs

Motive, Means, and Opportunity: Determining Responsibility in an Arson Case; CFI Trainer.net;
12/04/20; 4-Hrs

Fire Dynamics Calculations- Version 2.0; CFI Trainer.net; 12/04/20; 4-Hrs

Discovery in Civil Cases; CFI Trainer.net; 12/01/20; 3-Hrs

The Deposition Part 2: Questioning, Tactics, and Effective Responses; CFI Trainer.net; 11/18/20;
3-Hrs

The Deposition Part 1: Format, Content, and Preparation; CFI Trainer.net; 11/18/20; 3-Hrs

Search and Seizure; CFI Trainer.net; 11/09/20; 4-Hrs

Charleston Sofa Super Store Fire; CFI Trainer.net; 11/09/20; 4-Hrs

Understanding the Fire Investigator's Job; A Guide for Non-Investigators; CFI Trainer.net;

11/06/20; 3-Hrs

Process of Elimination; CFI Trainer.net; 11/06/20; 3-Hrs

Introduction to Appliances; CFI Trainer.net; 11/02/20; 3-Hrs

Legal Aspects of Investigating Youth Set Fires; CFI Trainer.net; 10/30/20; 3-Hrs

Introduction to Youth Set Fires; CFI Trainer.net; 10/30/20; 3-Hrs

Preventing Occupational Exposures to Carcinogens at the Fire Scene; CFI Trainer.net; 10/27/20; 3-Hrs

Digital Photography and the Fire Investigator; CFI Trainer.net; 10/27/20; 4-Hrs

What the Insurance Professional Needs to Know About Fire Investigation; CFI Trainer.net; 10/22/20; 3-Hrs

Accreditation, Certification and Certificates; CFI Trainer.net; 10/22/20; 3 Hrs

Understanding Fire Through the Candle Experiments; CFI Trainer.net; 10/05/20; 4 Hrs

An Analysis of the Station Nightclub Fire; CFI Trainer.net; 09/26/20; 4 Hrs

- **International Association of Arson Investigators Certified Instructor (CI); 06/21/20**

Ethical Duties Beyond the Fire Scene; CFI Trainer.net; 04/16/20; 3 Hrs

Critical Evaluation & Testing of Commonly Reported Accidental Causes; CFI Trainer.net; April 11, 2020; 3 Hrs

Explosion Dynamics; CFI Trainer.net; April 11, 2020; 3 Hrs

Insurance and the Fire Investigator; CFI Trainer.net; April 12, 2020; 4 Hrs

Residential Natural Gas Systems; CFI Trainer.net; April 11, 2020; 3 Hrs

Ethics and The Fire Investigator; CFI Trainer.net; April 11, 2020; 3 Hrs

Understanding Undetermined; CFI Trainer.net; April 11, 2020; 3 Hrs

Knowledge Test 1; Fire Dynamics; CFI Trainer.net; January 27, 2020; 15 Hrs

Knowledge Test 1; Motor Vehicle Fires; CFI Trainer.net; January 27, 2020; 8 Hrs

Charting your Career Path in Fire Investigations; CFI Trainer.net; 01/10/20; 3 Hrs

Fire Flow Analysis; CFI Trainer.net; 01/10/20; 3 Hrs

Fire Investigation for Fire Officers; CFI Trainer.net; 01/10/20; 3 Hrs

Fire Investigator Scene Safety; CFI Trainer.net; 01/10/20; 3 Hrs

How First Responders Impact the Fire Investigation; CFI Trainer.net; 01/06/20; 2 Hrs

Motor Vehicles: Engine, Ignition Electrical and Fuel systems; CFI Trainer.net; 01/06/20; 3 Hrs

Motor Vehicles: Transmission, exhaust, Brake and Accessory systems; CFI Trainer.net; 01/06/20; 3 Hrs

- **IAAI Certified Evidence Collection Technician; October 2018**

California Conference of Arson Investigators: Debris samples, evidence, UAS, Leadership, Solar, Fire

Death, Photography, Warrants, Live burn; September 2018; 28 Hrs

- **National Assoc. of Fire Investigators; CFEI; April 2018**

Hazardous Materials Specialist; Refresher Training; SFFD; February 2018; 8 Hrs

Arson Investigation Update- John DeHaan; FireK9.org; February 2018; 8 Hrs

MagneTek: A Case Study in the Daubert Challenge; CFI Trainer.net; 2 Hrs

Discovery in Criminal Cases; CFI Trainer.net; August 2017; 3 Hrs

Managing Complex Fire Scene Investigations; CFI Trainer.net; August 2017; 4 Hrs

Introduction to Fire Dynamics and Modeling; CFI Trainer.net; August 2017; 4 Hrs

Post-flashover Fires; CFI Trainer.net; August 2017; 4 Hrs

Thermometry, Heat and Heat Transfer; CFI Trainer.net; August 2017; 3 Hrs

Investigating Fatal Fires; CFI Trainer.net; August 2017; 4 Hrs

Effective Investigation and Testimony; CFI Trainer.net; August 2017; 3 Hrs

Fundamentals of Residential Building Construction; CFI Trainer.net; August 2017

Vacant and Abandoned Buildings: Hazards and Solutions; CFI Trainer.net; June 2017; 4 Hrs

- **CSFM: Training Instructor I; April 11, 2017**

California Conference of Arson Investigators: The Scientific Method Used at Fire Origin and Cause Scene Examinations; October 2016; 20 Hrs

California Narcotic Officers Association; Homemade explosives and IEDs; Dublin CA; 8 Hrs

California Conference of Arson Investigators; Evidence Fire Photography; Modesto CA; 8 Hrs

Courtroom Preparation and Testimony for First Responders (F0209); FEMA; NFA; 20 Hrs – March 2016

Youth Firesetting Prevention and Intervention (NR0629); FEMA; NFA; 20 Hrs – March 2016

- **International Association of Arson Investigators Certified Fire Investigator (CFI); 02/02/16**

Update on NFPA 921 & 1033 Report Writing for Fire Investigators; South Bay ATF; 16 Hrs

Arc Mapping Basics; CFI Trainer.net; November 2015; 4 Hrs

Electrical Safety; CFI Trainer.net; November 2015; 3 Hrs

Residential Electrical Systems; CFI Trainer.net; November 2015; 4 Hrs

Basic Electricity; CFI Trainer.net; November 2015; 4 Hrs

Writing the Initial Origin & Cause Report; CFI Trainer.net; November 2015; 3 Hrs

The Scientific Method for Fire & Explosion Investigations; CFI Trainer.net; November 2015; 3 Hrs

San Francisco Law Enforcement Regional Training Facility; Chemical Agents – 8 Hrs – October 2015

Youth Fire Setting & Intervention; FEMA; National Fire Academy; 50 Hrs – April 2015

- **California Conference of Arson Investigators Certified Fire Investigator (CFI) – November 2014**

California Conference of Arson Investigators: Critical Thinking & Hypothesis Testing, Marijuana Grow Related Fires, Honey Oil Extraction Explosions, and One-Pot Meth Labs;

November 2014; 20 Hrs

TLO Human Skills; Interview & Deception Techniques; NCRIC; October 2014; 8 Hrs

Post-Flashover Fire Pattern Analysis; The Arson Research Project; August 2014; 2 Hrs

NFPA 921 and 1033 2014 Editions: Important Revisions; CFI Trainer.net; March 2014; 3 Hrs

Anatomy of a Wrongful Arson Conviction; NAFI; February 18, 2014; 2 Hrs

Behavior Analysis Investigative Interview and Interrogation Techniques; BATI; Jan 31, 2014; 40 Hrs

California Conference of Arson Investigators Forensic Fire Analysis: Advanced Fire and Arson Investigation training, March 2013, 20 Hrs

Investigating Motor Vehicle Fires; CFI Trainer.net February 2013; 4 Hrs

Ethics and the Fire Investigator; CFI Trainer.net; January 2013; 3 Hrs

NFPA 921 and Your Career; CFI Trainer.net; January 2013; 2 Hrs

Practical Application between NFPA 1033 and NFPA 921; CFITrainer.net; January 2013; 2 Hrs

- **CSFM Fire Investigator 2—California State Fire Marshall, September 2012**
- **CSFM Fire Investigator 1—California State Fire Marshall, September 2012**
- **POST-Certified Criminal Investigator: The Robert Presley ICI: specialty in Arson/Explosive Investigations, July 18, 2012**

Fire Investigation 2B, Field Case Studies, California State Fire Marshal, Monterey Public Safety Training Center, June 2012, 40 Hrs

Fire Investigation 2A, Criminal and Legal Procedures— (*Explosives, Surveillance, 4th Amendment, Court Testimony*) California State Fire Marshal, College of the Sequoias, April 2012, 40 Hrs

California Conference of Arson Investigators Forensic Fire Analysis: Pre and Post Flashover Fires, March 2012, 20 Hrs

CDAA Search Warrant Seminar – March 2012 – 24 Hrs

The Fire Investigator & the 2011 NFPA 921 Changes, IAAI, February 2012, 4 Hrs

A Ventilation Approach to the Impact of Building Structures and Systems, IAAI, Feb 2012, 4 Hrs

Fundamentals of Interviewing, IAAI, February 2012, 4 Hrs

Prop 115 – Crime Victims Justice Reform Act - San Francisco Police Academy – January 2012

P.O.S.T. Arson & Explosives Training – San Diego Regional Training Center – February 2012 – 40 Hrs

P.O.S.T. I.C.I. Core Investigator Course --December 2011, SFPD, – 80 Hrs

Advanced Officer Training – San Francisco Police Academy – 2011 – 40 Hrs

P.C. 832 Arrest Course – Santa Rosa Junior College – April 2009 – 40 Hrs

P.C. 832 FireArms Course – Sacramento Regional Public Safety Training Center – June 2009 – 24 Hrs

Fire Investigation 1A, Introduction to Investigation, Fire Origin and Cause Determination – (*Fire Behavior, Legal Aspects, Ignition Sources, NFPA 921*) CSFM – March 2004 – 40 Hrs

Fire Investigation 1B, Techniques of Fire Investigation – (*Motives, Scene Examination, Evidence, Interviews, Fatalities*) California State Fire Marshal –March 2001–40 Hrs

Vocational Certification

CLETS Less Than Full Access Operator; CADOJ; Certificate; 06/01/21

Assistance to Firefighters Grant Reviewer; FEMA; Certificate; April 30, 2021

Terrorism Liaison Officer Basic Course; NCRIC; 02/17/21; 8-Hrs

SF Dept of Public Health; EMT Vaccination Administration; Module 3; 1.5 Hrs; 02/03/21

SF Dept of Public Health; EMT Immunization Skills; Module 2; 1 hour; 02/01/21

SF Dept of Public Health; EMT Vaccination Program; Module 1; 1 hour; 02/01/21

Covid-19 Basic Health & Safety Training; SFFD; 01/25/21

Unified Response to Violent Incidents; CA FF Joint Apprenticeship Committee; 2 Hrs

Cybersecurity Training for Working Remotely; SFFD; 11/02/20

Cybersecurity Training; SFFD; 11/02/20

2020 Preventing Workplace Harassment; City & County of San Francisco; April 30, 2020

SFFD Security Awareness Training; City & County of San Francisco; December 28, 2018

Hazardous Materials Refresher – Industrial Emergency Council, February 14, 2017, 8 Hrs

IAFF Labor/Employee Assistance Program Committee; Committee Member; February 2013

Enhanced Incident Management Unified Command System–Texas Engineering Extension Service-August 2011–28 Hrs

Ethical Leadership in the Classroom; California Fire & Rescue Training Authority. March 2010; 40 Hrs

Hazardous Materials Technician; California Fire Service Training and Education – June 1993 – 200 Hrs

Hazardous Materials Specialist – Industrial Emergency Council –July 1993 – 80 Hrs

S.C.U.B.A. Fire Service Diver – SFFD – 1993

Fireboat Swim Qualified. – SFFD – April 1993

Rescue Systems 1 – California Fire Service Training and Education System – April 2003 – 40 Hrs

S.C.U.B.A., NAUI Open Water 1 Diver, 1992

E.M.T., SFFD, 1990

Driver/Tiller and Pump Operator, SFFD, 1990

Firefighter II--2004

Firefighter I –1991

Administrative, Controlled Fires and Explosions:

I have deliberately set and/or witnessed over 72 administrative, controlled fires and explosions. I have constructed fires utilizing commercial and improvised incendiary material, both using common combustibles, ignitable liquids, self-heating material and improvised incendiary devices. All tests and experiments were tested and placed in all types of structures, vehicles, vegetation, wildland and open-air settings. I observed fire spread and fire behavior effects during post-fire examinations and analysis. These fires duplicated accidental and criminal events.

22 cubicles 27 fires 8 Fire Bombs 39 explosions

Vocational Training, Education and Presentations given:

I have instructed firefighters/Fire Officers in classes on Fire Investigation for San Francisco Fire Department Division of Training as well as the San Francisco Arson Task Force. I have participated in the production of one POST video project.

Part-Time Faculty Staff Member; Los Positas College; Livermore CA; Fire Science

SFFD Officers Academy; BFI/Arson Training

City of Oakland; DHR; Subject Matter Expert; Fire Investigations; 2018

Training Instructor I - California State Fire Marshal – April 11 2017

Motion Picture/Television Fire Safety Officer - California State Fire Marshal, March 23, 2017, 24 Hrs

Training Instructor 1C– (Instructional Development Techs) CSFM, Dec 2016, 40 Hrs

Training Instructor 1B– (Psychomotor Lesson Delivery) California State Fire Marshal, Nov 2016, 40Hrs

Training Instructor 1A– (Cognitive Lesson Delivery) California State Fire Marshal, Oct 2016, 40Hrs

City and County of San Francisco; DHR; Subject Matter Expert; Fire Investigations; 2015

City of Oakland Fire Department; DHR; Subject Matter Expert; Fire Investigations; 2017

Deposition and Trial Testimony

- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of*

California vs Austin Hills)—Jan. 2012

- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of California vs LaVonda Myles*)—June 2012
- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of California vs Mark Steven Albrecht*) –September 2012
- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of California vs James Paul Ewens*) –October 2012
- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of California vs Weed / Cisneros*) –November 2012
- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of California vs Harrison W Reagan*) –February 2013
- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of California vs Galen Eugene McCall*) –March 2013
- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of California vs Keithea SHINE*) – September 2013
- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of California vs Richard KOONTZ*) - November 2013
- *Deposition: *Debenedetti vs. Buzzelli* - December 2014
- *Deposition: *Farmers Ins vs Costelloe* – May 2015
- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of California vs RECHHIA*) –October 2015
- *Deposition: *Fernando Bueno et al vs. Hawk Lou et al vs Costelloe* – November 2015
- *Deposition: *Williams, Haney, Robinson & Ione vs. SF Housing Authority*; May 2016
- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of California vs Lance Gardner*)—June. 2016
- *Deposition: *Benjamin Salthouse vs. Kaushik Dattani, et al* – January 2016
- *Qualified as Origin and Cause Subject Matter Expert in Superior Court (*State of*

California vs MATTIASSI, Jevon)—January. 2017

- **Qualified as Origin and Cause Subject Matter Expert in Superior Court (State of California vs WONDERLAND, Allison)—January. 2018*
- **Testimony in Superior Court (State of California vs DIAZ, David)—April. 2018*
- **Qualified as Origin and Cause Subject Matter Expert in Superior Court (State of California vs DIAZ, David)—August. 2018*
- **Deposition: Juan Rivas Jimenez vs. Rinconcito Caracho – October 2019*
- **Deposition: Travelers Property Casualty Co vs. Phollies, Inc – August 2020*
- **Qualified as Origin and Cause Subject Matter Expert in Superior Court (State of California vs MAYEK, David)—February 2020*
- **Testimony in Superior Court (State of California vs CHANCARRILLO)—August. 2020*