

CLINTON M. CARMAN
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CARMAN & ASSOCIATES FIRE INVESTIGATION, Inc.

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FORMAL EDUCATION:

- **California Polytechnic State University (2013-2016)**
San Luis Obispo, California
2016 - Graduated with M.S. Degree in Fire Protection Engineering
- **California State University, Chico (2005-2008)**
Chico, California
2008 - Graduated with B.S. Degree in Professional Chemistry
- **Sierra Community College (2002-2005)**
Rocklin, California

EMPLOYMENT:

- Jan 2014 – Present Certified Fire Investigator with Carman & Associates Fire Investigation, Inc.
- Jan 2010 – Jan 2014 Certified Fire Investigator with Ron Hall & Associates Fire Analysis and Research
- Jun 2008 – Jan 2010 Associate Fire Investigator with Ron Hall & Associates Fire Analysis and Research.

CERTIFICATIONS:

- Oct 10, 2014 CFEI (Certified Fire and Explosion Investigator)
National Association of Fire Investigators (NAFI)
- Aug 19, 2013 IAAI-CFI (Certified Fire Investigator, Certificate #22-081967)
International Association of Arson Investigators (IAAI)
- Jan 11, 2010 CCAI-CFI (Certified Fire Investigator, Certification #660)
California Conference of Arson Investigators (CCAI)

FIRE INVESTIGATION EXPERIENCE:

I have investigated and/or assisted with the investigation of approximately 650 fires to determine Origin, Cause, and General Fire Behavior. The types of fires include commercial and residential structure fires, vehicle, marine, and wildland fires.

-Attended, as well as conducted, approximately 90 burn tests on structures and vehicles, to study and document burn patterns, flame spread and general fire behavior.

TRAINING PRESENTED:

- Nov 2016 **The Use of Drones for Fire Investigations**
California Conference of Arson Investigators – Roundtable #3
Roseville, California (1 Hour, 20 students)

- Dec 2015 **Investigating Electrical Fires and Elevated Ignition Sources**
Shasta County Arson Taskforce
Redding, California (6 Hours, 40 students)

- Nov 2014 **Critical Thinking and Hypothesis Testing in Fire Investigation**
California Conference of Arson Investigators, Fall Conference
San Luis Obispo, California (4 Hours, 100 students)

- June 2012 **Behavior of Elevated Fires**
California Conference of Arson Investigators and Butte County Arson Task Force
Chico, California (1 Hour, 30 students)

SPECIALIZED TRAINING RECEIVED:

- Apr 2017 **Outdoor Aerial Public Display Fireworks**
Sacramento Sierra Arson Task Force
Instructors: Ramiro Rodriguez – Cal Fire, Ian & Kevin Gilfillan – Pyro Spectaculars
Rocklin, Lincoln, CA (6 Hours)

- Feb 2017 **Smart Electrical Meter Hardware**
California Conference of Arson Investigators – Roundtable #3
Instructors: Jim Nolt – JHNolt Associates
Roseville, CA (1 Hour)

- June 2016 **Culminating Experience in Fire Protection Engineering (FPE-596)**
California Polytechnic State University, San Luis Obispo, California
Requisite course in Fire Protection Engineering Graduate Program

- Mar 2016 **Smoke Management and Special Hazards (FPE-552)**
California Polytechnic State University, San Luis Obispo, California
Requisite course in Fire Protection Engineering Graduate Program

- Dec 2015 **Fire Safety Regulation and Management (FPE-551)**
California Polytechnic State University, San Luis Obispo, California
Requisite course in Fire Protection Engineering Graduate Program
- Sep 2015 **Residential Electricity for Fire Investigators**
Fire Findings
Benton Harbor, Michigan (16 hours)
- Sep 2015 **Investigating Residential Dryer Fires**
Fire Findings
Benton Harbor, Michigan (16 hours)
- Aug 2015 **Structural Fire Protection (FPE-524)**
California Polytechnic State University, San Luis Obispo, California
Requisite course in Fire Protection Engineering Graduate Program
- Jun 2015 **Fire Detection, Alarm and Communication Systems (FPE-522)**
California Polytechnic State University, San Luis Obispo, California
Requisite course in Fire Protection Engineering Graduate Program
- May 2015 **IAAI International Training Conference**
Numerous topics related to fire dynamics/fire science.
International Association of Arson Investigators
Chicago, Illinois (40 hours)
- Apr 2015 **Forensic Photography**
Sacramento-Sierra Regional Arson Task Force
Instructor: Robert Rullan
Roseville, CA (8 Hours)
- Mar 2015 **Water-based Fire Suppression (FPE-523)**
California Polytechnic State University, San Luis Obispo, California
Requisite course in Fire Protection Engineering Graduate Program
- Dec 2014 **Egress Analysis and Design (FPE-521)**
California Polytechnic State University, San Luis Obispo, California
Requisite course in Fire Protection Engineering Graduate Program
- Oct 2014 **Advanced Fire, Arson and Explosion Investigation**
2014 Canadian National Advanced Fire, Arson and Explosion Training Program
Instructors: Ronald Hopkins, Elayne Pope, Michael Schulz, Steve Carman
Toronto, Ontario, Canada (40 Hours)
- Sep 2014 **Advanced Electrical Fire Investigation**
Sacramento-Sierra Regional Arson Task Force/ATF Fire Research Laboratory
Instructor: Michael Keller, P.E. – ATF
El Dorado Hills, CA (16 Hours)

- Sep 2014 **Basic Electrical Fire Investigation**
Sacramento-Sierra Regional Arson Task Force/ATF Fire Research Laboratory
Instructor: Michael Keller, P.E. – ATF
El Dorado Hills, CA (16 Hours)
- Sep 2014 **Fire Modeling (FPE-504)**
California Polytechnic State University, San Luis Obispo, California
Requisite course in Fire Protection Engineering Graduate Program
- Jun 2014 **Flammability Assessment Methods (FPE-503)**
California Polytechnic State University, San Luis Obispo, California
Requisite course in Fire Protection Engineering Graduate Program
- Apr 2014 **Investigation of Gas and Electric Appliance Fires**
Fire Findings
Benton Harbor, Michigan (30 hours)
- Apr 2014 **IAAI International Training Conference**
Numerous topics related to fire dynamics/fire science.
International Association of Arson Investigators
Las Vegas, Nevada (40 hours)
- Apr 2014 **Vehicle Fire Investigations**
California Conference of Arson Investigators
Instructors: Bob Toth, David Icove
San Luis Obispo, California (20 hours)
- Mar 2014 **Fire Dynamics (FPE-502)**
California Polytechnic State University, San Luis Obispo, California
Requisite course in Fire Protection Engineering Graduate Program
- Dec 2013 **Fundamental Thermal Sciences (FPE-501)**
California Polytechnic State University, San Luis Obispo, California
Requisite course in Fire Protection Engineering Graduate Program
- Dec 2012 **Writing the Initial Origin and Cause Report**
International Association of Arson Investigators
<http://www.cfitrainer.net> (3 hours)
- Dec 2012 **Fundamentals of Residential Building Construction**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)
- Dec 2012 **Investigating Motor Vehicle Fires**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)

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- Dec 2012 **Fundamentals of Interviewing**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)
- Mar 2012 **Behavior of Elevated Fires**
California Conference of Arson Investigators (Instructor: Steve Carman)
San Louis Obispo, California (8 Hours)
- Mar 2012 **Advanced Fire and Arson Investigation**
California Conference of Arson Investigators (Instructors: John Dehaan, David Igoe)
San Louis Obispo, California (20 hours)
- Nov 2009 **Expert Witness Courtroom Testimony Class**
International Association of Arson Investigators (Instructors: Wayne Tyson, Steve Huchting)
San Louis Obispo, California (40+ hours)
- Nov 2009 **PC832 Arrest, Search & Seizure**
Sacramento Regional Public Safety Training Center
(POST Certification #297080102-09005, SCT Certification #0218-007898)
Sacramento, California (40 hours)
- Oct 2009 **Fire Investigation 1B**
California State Fire Marshal's Office (Instructor: Joe Konefal)
Sacramento, California (40 Hours)
- Sep 2009 **Effective Investigation and Testimony**
International Association of Arson Investigators
<http://www.cfitrainer.net> (3 hours)
- Aug 2009 **Motive, Means, and Opportunity: Determining Responsibility in an Arson Case**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)
- Aug 2009 **Arc Mapping Basics**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)
- Jun 2009 **Introduction to Fire Dynamics and Modeling**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)
- Jun 2009 **Ethics and the Fire Investigator**
International Association of Arson Investigators
<http://www.cfitrainer.net> (3 hours)
- Jun 2009 **Fire and Explosion Investigations: Utilizing NFPA 1033 and 921**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)

- Apr 2009 **Fire Investigation 1A**
California State Fire Marshal's Office (Instructor: Joe Konefal)
Sacramento, California (40 hours)
- Mar 2009 **Fire Investigation 2B**
California State Fire Marshal's Office (Instructors: Joe Konefal, Mark Koenig)
Auburn, California (40 hours)
- Feb 2009 **The Scientific Method for Fire and Explosion Investigation**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)
- Dec 2008 **An Analysis of the Station Nightclub Fire**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)
- Dec 2008 **A Ventilation-Focused Approach to the Impact of Building Structures and Systems on Fire Development**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)
- Nov 2008 **Fire Investigation 2A**
California State Fire Marshal's Office (Instructors: Joe Konefal, Mark Koenig)
Auburn, California (40 hours)
- Nov 2008 **Problem Solving in Fire Investigation**
California Conference of Arson Investigators (Instructors: Joe Konefal, Steve Carman)
San Louis Obispo, California (20 hours)
- Nov 2008 **Understanding Fire Through the Candle Experiments**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)
- Oct 2008 **Postflashover Fires**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)
- Apr 2008 **Documenting the Event**
International Association of Arson Investigators
<http://www.cfitrainer.net> (4 hours)
- Jul 2003 **Semi-Annual Seminar of the California Conference of Arson Investigators**
Seaside, California (8 hours, non-tested)

Do Not Disclose - Not Retained Expert

PROFESSIONAL ASSOCIATIONS:

- **California Conference of Arson Investigators**
Member, Oct 2008 – Present
- **International Association of Arson Investigators**
Member, June 2012 – Present
- **National Association of Fire Investigators**
Member, October 2014 – Present
- **Society of Fire Protection Engineers**
Member, October 2014 – Present

REFERENCE MATERIALS:

- Guide for Fire and Explosion Investigations (NFPA 921), NFPA, Quincy, MA 2017
- Standard for Professional Qualifications for Fire Investigators (NFPA 1033), NFPA, Quincy MA 2013
- Society of Fire Protection Engineers Handbook of Fire Protection Engineering, Fifth Edition, NFPA, Quincy, MA 2015
- Fire Protection Handbook, Nineteenth Edition, Volumes 1 & 2, NFPA, Quincy, MA 2003
- Forensic Fire Scene Reconstruction, David Love and John DeHaan, Prentice Hall, Upper Saddle River, New Jersey, 2004
- Kirk's Fire Investigation, John DeHaan, Prentice Hall, Sixth Edition, 2006
- Including other texts on Chemistry, Physics, Thermodynamics, Fluid Dynamics, and Fire Protection Engineering.

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