

Mark Pelot, CFEI | Fire Investigator

1950 Sequoia Trail, Owosso, MI 48867

586.868.0220

mark.pelot@efiglobal.com

Professional Summary:

Mr. Pelot has several hundred hours of classroom fire investigation training extending over his nearly 20 years of experience in the private sector of the fire service. He has assisted/conducted in excess of 2300 residential and industrial fire loss investigations to determine origin and cause. Mr. Pelot has authored approximately 1100 reports.

He has been formally trained in the areas of expert witness testimony, burn pattern recognition, and investigative procedures and techniques. Since then, he has participated in a variety of seminars, training programs, and classes dedicated to fire investigation.

This includes work with Madonna University, Oakland County Fire and Police Training Center, The Fire Service College in England, The Federal Law Enforcement Training Center in Glynco, Georgia and The National Emergency Training Center in Emmitsburg, Maryland, The International Association of Arson Investigators.

Licenses and Certifications:

National Association of Fire Investigators (NAFI), Certified Fire and Explosion Investigator (CFEI)

National Association of Fire Investigators (NAFI), Certified Fire and Explosion Investigator Instructor (CFEII)

Certificate # 13541-7406i

Project Experience:

Confidential Client, Michigan Origin and Cause Investigation

Apartment Complex where the complex was believed to have been the cause of the fire. The fire was determined to have originated as a result of items inside the unit.

Confidential Client, Michigan

Investigation of a house fire revealed a potential cooking fire was staged and the impending case resulted in a summary judgment in favor of the client.

Confidential Client, Michigan

A potential careless smoking fire was determined to be an intentionally set and the resulting case was turned over the AFT for a successful prosecution.

Professional Experience:

EFI Global / Unified Investigations & Sciences, Inc., Fire Investigator, 2012 to Present
Certified Investigations International, Fire Investigator, 2002- 2012

Specialized Education:

Introduction to Youth-Set Fire, CFITrainer.net/IAAI, 2022
Process of Elimination, CFITrainer.net/IAAI, 2022
Physical Evidence at the Fire Scene, CFITrainer.net/IAAI, 2022
Ethics and the Fire Investigator, CFITrainer.net/IAAI, 2022
Basic Electricity, CFITrainer.net/IAAI, 2022
Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems, CFITrainer.net/IAAI, 2022
Motor Vehicles: the Engine and the Ignition, Electrical, and Fuel Systems, CFITrainer.net/IAAI, 2022
International Symposium on Fire Investigation, Science and Technology, 2018
Processing the Fire Scene & Securing the Electronic Devices for Evidence, Oakland County Association of Arson & Fire Investigators Inc., 2017
45th Annual Origin & Cause Seminar, Oakland County Association of Arson & Fire Investigators Inc. NFPA 1033, "Sweet Sixteen" Part 2 2017
Electricity and the Fire Investigator, Oakland County Association of Arson & Fire Investigators Inc., 2017
The Scientific Method for Fire and Explosion Investigation: CFITrainer.net/IAAI, 2016,
The Deposition Part 1: Format, Content, and Preparation, CFITrainer.net/IAAI, 2015
The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, CFITrainer.net/IAAI, 2015
Fire Investigator Scene Safety: CFITrainer.net/IAAI, 2015
Interview and Interrogation, John E. Reid and Associates Inc., 2015
International Symposium on Fire Investigation, Science and Technology, University of Maryland, 2014
42th Annual Origin & Cause Seminar, Oakland County Association of Arson & Fire Investigators Inc., Fire Expert Testimony Preparation, 2014
OSHA 29 CFR 1910.1200-Globally Harmonized System of Classification and Labeling of Chemicals, Unified Investigations & Sciences, Inc., 2014
NFPA 921 & 1033 2014 Editions: Important Revisions, CFITrainer.net/IAAI, 2014
Preparation for the Marine Fire Scene, CFITrainer.net/IAAI, 2013
Ethics and Social Media, CFITrainer.net/IAAI, 2013
Explosion Dynamics, CFITrainer.net/IAAI, 2013
Electrical Safety, CFITrainer.net/IAAI, 2013
Introduction to Fire Dynamics & Modeling, CFITrainer.net/IAAI, 2013
Evidence Examination: What Happens at the Lab? CFITrainer.net/IAAI, 2013
NFPA1033 and Your Career, CFITrainer.net/IAAI, 2013
Investigating Motor Vehicle Fires, CFITrainer.net/IAAI, 2013
How First Responders Impact The Fire Investigation, CFITrainer.net/IAAI, 2013
Understanding Fire Through the Candle Experiments, CFITrainer.net/IAAI, 2013
MagneTek: A Case Study In The Daubert Challenge, CFITrainer.net/IAAI, 2013
Hybrid Electric Vehicles and the First Responder, Macomb Community College Emergency Services Training Center, 2013

DeLisle Associates, LTD, Certificate of Training, Initial Operations & Maintenance, Asbestos Training, 2012
International Symposium on Fire Investigation, Science and Technology, University of Maryland, 2012
Documenting the Event, CFITrainer.net/IAAI, 2012
Digital Photography and the Fire Investigator, CFITrainer.net/IAAI, 2011
Effective Investigation and Testimony, CFITrainer.net/IAAI, 2011
Fire and Explosion Investigations: Utilizing NFPA 1033 and 921, CFITrainer.net/IAAI, 2011
Critical Thinking Solves Cases, CFITrainer.net/IAAI, 2011
Arc Mapping Basics, CFITrainer.net/IAAI, 2011
The Impact of Ventilation in Building Structures on Fire Development, CFITrainer.net/IAAI, 2011
Fundamentals of Interviewing, CFITrainer.net/IAAI, 2011
39th Annual Origin & Cause Seminar, Oakland County Association of Arson & Fire Investigators Inc., Trends in Fire Investigation, 2011
International Association of Arson Investigators, Automobile Fire Investigation, Regional Training Seminar, 2010
International Symposium on Fire Investigation, Science and Technology, University of Maryland, 2010
38th Annual Origin & Cause Seminar, Oakland County Association of Arson & Fire Investigators Inc., Anatomy of a Fire Investigation, 2010
National Association of Fire Investigators, Certified Fire Investigation Instructor, Boston, MA; 2010
Advanced Arson Investigative Techniques for the Insurance Industry, International Association of Arson Investigators, 2009
U.S. Department of Homeland Security, Fire/Arson Origin-and-Cause Investigations, National Emergency Training Center, 2009
Ride-a-long with Detroit Fire Department Arson Section, August 2009
Structural & Mobile Property Fire Accident Damage Analysis Investigation, Michigan Arson Prevention Committee, 2009
37th Annual Origin & Cause Seminar, Oakland County Association of Arson & Fire Investigators, Inc., Forensic Fire Scene Reconstruction, 2009
Instructor for NFPA 921 and Related Legal Issues, Oakland Community College, Fire Training Institute, 2009
Michigan Council of Private Investigators and Council of Private Investigators Ontario, Joint Conference, 2008
International Symposium of Fire Investigation Science and Technology, 2008
36th Annual Origin & Cause Seminar, Oakland County Association of Arson & Fire Investigators, Inc., Current Trends in Fire Investigation, 2008
35th Annual Origin & Cause Seminar, Oakland County Association of Arson & Fire Investigators, Inc., Electrical Investigations - Busting Some Myths, 2007

Affiliations:

National Association of Fire Investigators
Oakland County Association of Arson and Fire Investigators, Inc.
International Association of Arson Investigations
Michigan Chapter of the International Association of Arson Investigations
Ferndale Police Auxiliary Officer (retired)

Courses Instructed/ Guest Lecturer:

Oakland County Association of Arson & Fire Investigators, Inc., Troy Fire and Police Training Center, Troy, Michigan: Instructor for NFPA 921 and Related Legal Issues.

Madonna University, Livonia, Michigan: Assisted in teaching the Fire and Arson Investigation and Fire and Arson Advanced Techniques

31st Annual Oakland County Association of Arson and Fire Investigation Seminar
Auburn Hills, Michigan; Attended and assisted in lecture

**Litigation CV available upon request.