

Richard Todd Leonard | Senior Fire Investigator and Fire Inspector,
IAAI-CFI, CHMT

1060 Elizabeth St. Suite 7, Nicholasville, KY 40356
Mobile: 859-304-2039; Fax: 859-885-1565

Office: 877-271-8486
richard.leonard@efiglobal.com

Professional Summary:

Mr. Leonard has over 25 years of combined experience in the fire service as a line firefighter, ARFF firefighter, emergency medical technician fire inspector and fire investigator. Mr. Leonard was the lead cause and origin investigator in approximately 1070 fires and he has assisted in the investigation of another 2000 + fire investigation in his career with the Louisville Metro Arson Bureau and EFI Global. He attended and received an education excellence award from the National Fire Academy in Fire and Arson Investigation. He is also a court-qualified expert in the State of Kentucky.

Areas of Expertise:

- Incendiarism
- Liability
- Origin and Cause
- Subrogation
- Failure Analysis

Licenses and Certifications:

IAAI-Certified Fire Investigator, #02-060912
Certified Hazardous Materials Technician (CHMT), KY
Certified E.M.T., KY, #1034537
Fire Fighter I, #1711002, IFSAC
Fire Fighter II, #1711003, IFSAC
Hazmat Operations #1625959. IFSAC
IFSAC Instructor, #1711004
State Fire Instructor, #0008240
Certified Fire Inspector
Certified Search and Recovery Diver, NAUI
Certified in Industrial Diver Orientation, NAUI
Certified Confined Space Technician
Certified High Angle Rescue Technician
Certified Structural Collapse Technician
Certified Trench Rescue Technician
Certified C.P.R./B.L.S. and First Aid Instructor, AHA # 07101929445

Project Experience:

Campbell's Gourmet Cottage, Louisville, KY
Fire Investigation/Criminal case

Conducted an origin and cause investigation at a cooking store. Investigation showed that the fire was intentionally set by the insured. Case resulted in an Arson and Insurance Fraud conviction.

Carbide Industries, Louisville, KY.

Explosion Investigation

Assisted in an origin and cause investigation of an explosion that killed two employees and injured two others, at a carbide manufacturing plant. Investigation showed that the explosion was caused by water leaking into an electric arc furnace, due to poor maintenance practices. Case resulted in new NFPA Standards and a Mechanical Integrity Program for the electrical Arc furnace and cover.

7 Mattress Store fires, Louisville, KY

Fire Investigations/Criminal Case

Conducted and assisted in seven origin and cause investigations in several mattresses store fires. Investigation showed that these fires were intentionally set using a flammable liquid that had been sprayed under doors and ignited. The motive of these fires was to eliminate competitors. Case resulted in two federal convictions.

Warehouse Fire at 11th and Zane Streets, Louisville, KY

Fire Investigation/Criminal C

Conducted an origin and cause investigation in a large three story vacant warehouse that occupied a city block. Investigation determined that a cutting torch was used to steal metal sprinkler pipes attached to the heavy wooden beams of the warehouse. Case resulted in a conviction.

Professional Experience:

Louisville Fire Department, Firefighter/EMT, 1993 to 2000
Louisville Metro Arson Bureau, Sergeant/Arson Investigator, 2000 to /2013
EFI Global, Senior Fire Investigator, 2013 to Present
Lou. Regional Airport Authority, Public Safety Officer/Security Compliance Investigator, 2014 to Present

Specialized Education:

Fire Dynamics, CFI Trainer, IAAI, 2019
Marine Fire Investigation: Engineering Aspects & Investigation Logistics, CFI Trainer, IAAI 2019
Motor Vehicles: The Engine and the Ignition, Electrical and Fuel Systems, CFI Trainer, IAAI 2019
Electrical Safety, CFI Trainer, IAAI, 2019
Arc Mapping Basics, CFI Trainer, IAAI, 2019
Origin and Cause, CFI Trainer, IAAI, 2019
Motor Vehicles: Transmission, Exhaust, Brake and Accessory Systems, CFI Trainer, IAAI, 2019
Motor Vehicles Fire Investigation 2 Day, CFI Trainer, IAAI, 2019
Gas Systems and the Relation to Appliance Fires, Photography, Alternative Field Vehicles, IAAI Kentucky Chapter, 2019
Fire/Arson Investigation (NFA 80hrs Tested)
NFPA 921 Structural and Vehicle Fires (IAAI 20hrs Tested)
Advanced Interviewing and Arson Profiling (IAAI 16hrs Tested)

Investigating Appliances as an Ignition Source (IAAI 16hrs Tested)
Scientific Approach to Experimental Testing (IAAI 16hrs Tested)
Applied Fire Dynamics for Fire Investigations (IAAI 16hrs Tested)
Arc Mapping (IAAI 4hrs Tested)
Critical Thinking Solves Cases (IAAI 4hrs Tested)
Digital Photography and the Fire Investigator (IAAI 4hrs Tested)
Documenting the Event (IAAI 4hrs Tested)
Ethics and the Fire Investigator (IAAI 3hrs Tested)
Fire Dynamics Calculations (IAAI 4hrs Tested)
Fire Protection Systems (IAAI 3hrs Tested)
Intro to Fire Dynamics and Modeling (IAAI 4hrs Tested)
Investigating Motor Vehicle Fires (IAAI 4hrs Tested)
Magne Tek: A case Study in the Daubert Challenge (IAAI 2hrs Tested)
Physical Evidence at the Fire Scene (IAAI 4hrs Tested)
Post flashover Fires (IAAI 4hrs Tested)
The Scientific Method for Fire and Explosion Inv (IAAI 3hrs Tested)
Understanding Fire through Candle Experiments (IAAI 4hrs Tested)
27th Annual Fire and Arson Conference (8hrs tested)
Insurance Fraud Seminar (3hrs continued education)
Reid Interviewing and Interrogation (Reid School 40 hrs Tested)
Asbestos Awareness

Education:

Associates Degree, Fire Science, Jefferson Community and Technical College 2006

Affiliations:

International Association of Arson Investigators (IAAI)
International Association of Fire Fighters Local 345
National Association of Fire Investigators (NAFI)
Member of Reid Institute
Member of NFPA

Courses Instructed/ Guest Lecturer:

Basic Fire Investigation, Various Jefferson County Fire Departments
Fire Safety Merit Badge, Boy Scouts of America
Firearm Safety and CCDW courses

Honors and Awards:

Education Excellence Award, National Fire Academy
4 Unit Citation Awards, Louisville Fire and Rescue

**Litigation CV available upon request.