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**Robert Drake | Fire Investigator, CFEI, CVFI, IAAI-FIT**

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Field Office: Grand Rapids, MI*

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**Professional Summary:**

Mr. Drake has over 23 combined years of fire service and has personally investigated or supervised over 600 structural & vehicle fire investigations. Investigations include fires and explosions, involving fatalities, fraud, arson and subrogation losses.

Mr. Drake has over 15 years of experience conducting and directing origin and cause investigations of fires and explosions involving vehicles, single, multi-family, and business occupancies that resulted in serious injuries, single and multiple fatalities. He brings with him the practical awareness and skills to identify and preserve a scene and physical findings concerning criminal, civil, and subrogation issues. Bob has also had formal "Background Investigation" training through Wyoming Department of Public Safety. With his formal training and real-life experience as a Fire Inspector and Fire Investigator, he has attained a working knowledge of fire suppression, detection and notification systems. Mr. Drake also has a good understanding of the NFPA Codes and holds a current NFPA and State of Michigan Fire Inspector 1 Certification.

Mr. Drake has collaborated with the Wyoming Police Department to assist with investigating accidents, disasters and arson investigations to streamline the processes.

Mr. Drake was also elected to the Board of Directors for the Michigan Chapter of the IAAI in 2019.

**Licenses and Certifications:**

International Association of Arson Investigators, Fire Investigator Technician,  
Public Agency Training Council, Fire Pattern Certification

National Association of Fire Investigators, Vehicle Fire Investigator, Cert # 19616-11796v,

National Association of Fire Investigators, Certified Fire and Explosion Investigator, Cert#  
109616-11796v

Fire Findings, Investigation of Gas and Electric Appliance Fires

National Board on Fire Service Professional Qualifications Fire Investigator, NFPA 1033-2009

Certificates of Training from Michigan State Police, Fire Investigator I & II, Vehicle Fires

State of Michigan Certified Fire Inspector I License# 13-071

National Fire Protection Association, Certified Fire Inspector I, Cert# CFI-13-0087

### Project Experience:

**Hotel Fire Loss**  
**Warren, MI**  
Insured: Extended Stay of America

**Hospital Fire Loss**  
**Manistee, MI**  
Insured: Munson Hospital

**Restaurant Fire Loss**  
**Lansing, MI**  
Insured: Penn Station

**Motel Fire Loss**  
**Marshall, MI**  
Insured: Howard's Motel

**Laboratory Fire Loss**  
**Vicksburg, MI**  
Insured: Bridge Organics

### Professional Experience:

EFI Global /Unified Investigations & Sciences, Inc., Fire Investigator, 2017 to Present  
Wyoming Fire Department, Fire Inspector/Investigator/Fire Fighter, 1993 to 2015  
Retired from Wyoming Department of Public Safety 2015  
Fire Investigator / Fire Inspector, Wyoming Department of Public Safety 2013

### Specialized Education:

Michigan Annual Arson School, MI Chapter IAAI, May 22-25, 2023  
Fire Effects Part 2: Combustion By-Products Effects CFItrainer.net /IAAI/ 6/26/2023  
Fire Effects Part 1: Heat Effects on Fuels CFItrainer.net /IAAI/ 6/13/2023  
Electrical Safety CFItrainer.net /IAAI/ 5/3/2023  
Fire Investigation for Fire Officers CFItrainer.net /IAAI/ 2/24/2023  
Thermometry, Heat, and Heat Transfer CFItrainer.net /IAAI/ 2/8/2023  
The Deposition Part 2: Questioning Tactics and Effective Responses CFItrainer.net / IAAI 1/22/2023  
NFPA 1033 & 921: 2022/2021 Editions Important Updates CFItrainer.net / IAAI 1/8/2023  
Fire Flow Analysis, CFItrainer.net / IAAI 11/10/2022  
The Practical Application of the Relationship Between NFPA 1033 and NFPA 921 CFItrainer.net / IAAI 9/27/2022  
Introduction to Youth Fire – Set Fires, CFItrainer.net / IAAI / 9/22/2022  
Ethical Duties Beyond the Fire Scene, CFItrainer.net / IAAI / 9/6/2022  
Motor Vehicles: Transmission, Exhaust, Brake, And Accessory Systems- CFItrainer.net / IAAI 8/6/2022

Propane Explosions: Investigations, Failure Modes, Scene Exam, and Litigation Essentials- NASP  
6/14/2022  
IAAI Michigan Annual Arson School / IAAI 5/2022  
Alternative Fuel Vehicles, CFITrainer.net / IAAI / 1/2022  
The Deposition Part One: Format, Content, and Preparation, CFITrainer.net / IAAI 2021  
Giving Stronger Deposition and Trial Testimony, CFITrainer.net / IAAI 2021  
Lithium-Ion Battery Fires, CFITrainer.net / IAAI 2021  
Fire Flow Analysis, CFITrainer.net / IAAI 202021  
Fire Investigator Health and Safety in Post-fire Environment, EFI Global 2020  
Respiratory Protection Training, EFI Global 2020  
Critical Evaluation and Testing of Commonly Reported Accidental Causes, CFITrainer.net / IAAI  
2019  
IAAI Michigan Annual Arson School / IAAI, 2019  
Charting your Career Path in Fire Investigation, CFITrainer.net / IAAI 2019  
IAAI Expert Witness Courtroom Testimony/ IAAI, 2018  
Process of Elimination, CFITrainer.net / IAAI, 2018  
Discovery in Criminal Cases CFITrainer.net / IAAI, 2018  
Residential Electrical Systems, CFITrainer.net /2018  
The Scientific Method for Fire and Explosions Investigation, CFITrainer.net/ IAAI, 2018  
What Insurance Professional Needs to Know About Fire Investigation, CFITrainer.net/ IAAI, 2018  
Investigating Natural Gas Systems, CFITrainer.net/ IAAI, 2018  
Discovery in Criminal Cases, CFITrainer.net/ IAAI, 2018  
Process of Elimination, CFITrainer.net/ IAAI, 2018  
Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems, CFITrainer.net / IAAI,  
2018  
Recreational Vehicle Fire Investigation, CFITrainer.net / IAAI, 2018  
Marine Fire Investigations, CFITrainer.net / IAAI, 2018  
Testifying Tips and Lawyer Tricks, CFITrainer.net / IAAI, 2018  
Butane Hash Oil Fire Case Studies, CFITrainer.net / IAAI, 2018  
Managing Complex Fire Scene Investigations, CFITrainer.net / IAAI, 2018  
Discovery in Civil Cases, CFITrainer.net / IAAI, 2018  
Accreditation, Certification, and Certificates, CFITrainer.net / IAAI, 2018  
Fundamentals of Residential Building Construction, CFITrainer.net / IAAI, 2018  
Tents, Temporary Special Event Structures and Other Membrane Structures, Tri-County  
Inspectors Society  
International Association of Arson Investigators, Inc. (IAAI); Fire Investigator Technician Exam,  
2018  
Documenting the Event, CFITrainer.net/IAAI, 2018  
Fire Chemistry, CFITrainer.net/IAAI, 2018  
Investigating Motor Vehicle Fires, CFITrainer.net/IAAI, 2018  
Critical Thinking Solves Cases, CFITrainer.net/IAAI, 2018  
Basic Electricity, CFITrainer.net/IAAI, 2018  
Writing the Initial Origin and Cause Report, CFITrainer.net/IAAI, 2018  
Effective Investigation and Testimony, CFITrainer.net/IAAI, 2018  
Ethics and the Fire Investigator, CFITrainer.net/IAAI, 2018  
Explosion Dynamics, CFITrainer.net/IAAI, 2018  
Insurance and the Fire Investigation, CFITrainer.net/IAAI, 2018  
The Practical Application of the Relationship Between NFPA 1033 and NFPA921,  
CFITrainer.net/IAAI, 2017,  
Arc Mapping Basics, CFITrainer.net/IAAI, 2017  
Physical Evidence at the Fire Scene, CFITrainer.net/IAAI, 2017

Unified Investigations & Sciences, 2017, Forensic Investigation  
National Association of Fire Investigators (NAFI); Certified Fire & Explosion Investigator Exam, 2015  
National Association of Fire Investigators (NAFI); Certified Vehicle Fire Investigator Exam, 2015  
National Association of Fire Investigators (NAFI); Vehicle Fire, Arson & Explosion Investigation Science & Technology Seminar, 2015  
MI Arson Prevention Committee, Mobile Property Live Burn & Theft Seminar, 2015  
IAAI MI Arson School, In Scene Investigation & Excavation, Bay City/Grayling, MI; 2015  
IAAI MI Arson School, Hazardous Material Fire Investigation, Bay City/Grayling, MI; 2015  
IAAI MI Arson School, Warrant Request & Search Warrants, Bay City/Grayling, MI; 2015  
Fire Findings School, Investigation of Gas & Electrical Appliance Fires, Benton Harbor, MI; 2015  
Michigan Arson Prevention Committee, Midland, MI; Youth Fire & Life Safety Seminar, 2015  
International Association of Fire Investigators; Ten Most Common Fire Scene Errors, Online Course; 2015  
FEMA, National Fire Academy Online Course; 2014, Q-2000 Fire Protection Series Coffee Break: Set 06.1  
FEMA, National Fire Academy Online Course; 2014, Q-2001 Fire Protection Series Coffee Break: Set 06.2  
Michigan State Police Training Academy, 34<sup>th</sup> Advance Fire Investigation II School, 2014  
Michigan State Police Training Academy, 68gh Fire Investigation I School, 2014  
West Michigan Criminal Justice Training Consortium, Background Investigations for Police Applicants, Public Agency Training Council, Arson Scene Search & Evidence Recovery, 2014  
IAAI Michigan Arson School, Fire & Arson Investigation  
FEMA National Fire Academy Online Course, 2014, Q-0751 Principals of Building Construction  
NFPA 921 AND 1033 Editions: Important Revisions, CFITrainer.net/IAAI, 2014  
NFPA 1033 and Your Career, CFITrainer.net/IAAI, 2013  
Introduction to Evidence, CFITrainer.net/IAAI, 2013  
Investigating Fatal Fires, CFITrainer.net/IAAI, 2013  
The Scientific Method for Fire & Explosion Investigation, 2013  
Documenting the Event, CFITrainer.net/IAAI, 2013  
Fundamentals of Residential Building Construction, CFITrainer.net/IAAI, 2013  
Investigating Motor Vehicle Fires, CFITrainer.net/IAAI, 2013  
Fire Protection Systems, CFITrainer.net/IAAI, 2013  
Introduction to Fire Dynamics & Modeling, CFITrainer.net/IAAI, 2013  
Physical Evidence at the Fire Scene

### Affiliations:

2014 to Present National Association of Fire Investigators – Member  
2013 to Present IAAI Michigan Chapter – Member  
2013 to Present NFPA – Member  
1995 to Present IAFF – Member  
International Association of Fire Fighters  
National Association of Fire Investigators  
International Association of Arson Investigators  
MI Fire Inspectors Society  
Tri-County Fire Inspectors  
International Association of Fire Investigators