

## Michael Gillissie | Fire Investigator, IAAI-CFI

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### Professional Summary:

Michael Gillissie served as a full-time firefighter with the City of Cleveland since November of 1996 until his retirement in February of 2023. He held the rank of Captain and was assigned as the Officer in Charge of the Fire Investigation Unit. The Cleveland Fire Department Fire Investigation Unit conducts an average of 550 investigations every year. These investigations involve automobile and structure fires of either intentional or undetermined causes. He is currently a Certified Fire Investigator through the International Association of Arson Investigators. He currently holds the State of Ohio Certification as a Firefighter II, Paramedic, EMS Instructor, Fire Instructor, and Live Fire Instructor (0079402). He also holds a current State of Ohio License as a Registered Nurse (RN 308036).

### Licenses and Certifications:

Certified Fire Investigator, International Association of Arson Investigators, IAAI #01-0314118

Evidence Collection Technician, International Association of Arson Investigators, IAAI #777

Certified Firefighter Level 2, Ohio Department of Public Safety, #79402

Certified Fire/EMT Instructor, Ohio Department of Public Safety, #79402

Certified Live Fire Instructor, Ohio Department of Public Safety, #79402

Certified Paramedic, Ohio Department of Public Safety, #79402

Private Investigator, State of Ohio, #20231100479683

Private Investigator, State of Pennsylvania, #CP-10-MD-0000247-2021

### Court Qualifications/ Depositions:

Litigation CV available upon request.

### Professional Experience:

EFI Global, Fire Investigator, 2023-Present

Cleveland Fire Department, Captain/Fire Investigator/Fire and Ems Instructor 1996-2023

Cleveland Clinic Hospitals, Registered Nurse/Case Manager, 2003-2018

### Specialized Education:

Vehicle Fires for Fire Investigators, DCARI, March 2024  
Advanced Fire Fatality Scene Techniques/Report Writing, Darren Soloman; Wi-Fi Plugs, Ken Pittney, IAAI Ohio Chapter Seminar, November 2023  
Electric Vehicles, Joe Herzberg; Electrical Considerations in Fire Investigations, Adam Roy, IAAI Ohio Chapter Seminar, November 2023  
Electric and Hybrid Vehicle Design Basics, IAAI CFITrainer, August 2023  
Fire Effects Part 2: Combustion By-Products Effects, IAAI CFITrainer, June 2023  
Fire Effects Part 1: Heat Effects on Fuels, IAAI CFITrainer, April 2023  
Discovery in Civil Cases, IAAI CFITrainer, April 2023  
Northern Ohio Arson Seminar, IAAI OSFM, February 2023  
Identifying Damage to Electrical Conductors for Fire Investigators, DACARI, January 2023  
Propane Explosions: Failure Modes, Scene Exam, and Litigation Essentials June 2022  
Northern Ohio Arson Seminar, IAAI OSFM, February 2022  
Fire Protection Systems, IAAI CFITrainer, January 2022  
Basic Electricity, IAAI CFITrainer, November 2021  
Process of Elimination, IAAI CFITrainer, September 2021  
Arc Mapping Basics, IAAI CFITrainer, September 2021  
The Impact of Ventilation in Building Structures on Fire Development, IAAI CFITrainer, August 2021  
Lithium-Ion Battery Fires, IAAI CFITrainer, June 2021  
Advanced Origin and Cause, Cuyahoga Community College, April 2021  
Introduction to Appliances, IAAI CFITrainer, March 2021  
Digital Photography and the Fire Investigator, IAAI CFITrainer, February 2021  
Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems, IAAI CFITrainer, January 2021  
How First Responders Impact the Fire Investigation, IAAI CFITrainer, November 2020  
Fire Investigation for Fire Officers, IAAI CFITrainer, October 2020  
Explosion Dynamics, IAAI CFITrainer, October 2020  
Motor Vehicles: The Engine, Ignition, Electrical, and Fuel Systems, IAAI CFITrainer, October 2020  
Insurance and the Fire Investigation, IAAI CFITrainer, September 2020  
Effective Investigation and Testimony, IAAI CFITrainer, August 2020  
Residential Electrical Systems, IAAI CFITrainer, August 2020  
NFPA 1500 HAZMAT Transportation, Cleveland Fire Training, June 2020  
Writing the Origin and Cause Report, IAAI CFITrainer, April 2020  
Fundamentals of Interviewing, IAAI CFITrainer, March 2020  
Fire Flow Analysis, IAAI CFITrainer, March 2020  
NFPA 1500 Advanced HAZWOPER Awareness #1, Cleveland Fire Training, March 2020  
NFPA 1500 Advanced HAZWOPER Awareness #2, Cleveland Fire Training, March 2020  
Evidence Examination: What Happens at the Lab, IAAI CFITrainer, February 2020  
DNA, IAAI CFITrainer, February 2020  
Critical Evaluation and Testing of Commonly Reported Accidental Causes, IAAI CFITrainer, January 2020  
Minimizing Risk and Exposure to Harmful Substances, Cleveland Fire Training, January 2020  
NFPA 1500 Advanced HAZWOPER Awareness #4, Cleveland Fire Training, December 2019  
NFPA 1500 Advanced HAZWOPER Awareness #3, Cleveland Fire Training, December 2019  
Basic Origin and Cause, Cuyahoga Community College, November 2019  
Residential Natural Gas Systems, IAAI CFITrainer, November 2019  
Understanding Undetermined, IAAI CFITrainer, November 2019

Electrical Safety, IAAI CFITrainer, October 2019  
Vacant and Abandoned Buildings: Hazards and Solutions, IAAI CFITrainer, October 2019  
Elevators and Elevator Keys, Cleveland Fire Training, September 2019  
The Scientific Method for Fire and Explosion Investigation, IAAI CFITrainer, June 2019  
Intro to Fire Dynamics and Modeling, IAAI CFITrainer, June 2019  
Investigating Fatal Fires, IAAI CFITrainer, June 2019  
Physical Evidence at the Fire Scene, IAAI CFITrainer, June 2019  
Documenting the Event, IAAI CFITrainer, May 2019  
Introduction to Evidence, IAAI CFITrainer, May 2019  
Fundamentals of Residential Building Construction, IAAI CFITrainer, May 2019  
Search and Seizure, IAAI CFITrainer, May 2019  
Fire Investigator Scene Safety, IAAI CFITrainer, April 2019  
Building Construction, Cleveland Fire Training, January 2019  
Accreditation, Certification, and Certificates, IAAI CFITrainer, January 2019  
Ethical Duties Beyond the Fire Scene, IAAI CFITrainer, January 2019  
Charting Your Career in Fire Investigation, IAAI CFITrainer, January 2019  
Ohio Peace Officer Training Academy, Cleveland Police Department, January 2019  
Investigating Motor Vehicle Fires, IAAI CFITrainer, November 2018  
Electrical Hazards, Cleveland Fire Training, November 2018  
Basic Electricity, IAAI CFITrainer, November 2018  
Ethics and the Fire Investigator, IAAI CFITrainer, October 2018  
NFPA 1033 and Your Career, IAAI CFITrainer, October 2018  
Charleston Sofa Super Store Fire, IAAI CFITrainer, October 2018  
Fire Chemistry, IAAI CFITrainer, October 2018  
The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, IAAI CFITrainer  
October 2018  
NFPA 1021 Fire Officer I and II, Cleveland Fire Training Academy, April 2018

### Education:

Bachelor of Science, Nursing, Ohio University, Athens Ohio, 2016 (Magna Cum Laude)

### Affiliations:

International Association of Arson Investigators (IAAI)  
Ohio Chapter, International Association of Arson Investigators (IAAI)

### Courses Instructed/ Guest Lecturer:

Fire Investigations for the Company Officer  
International Fire Services Training Association, Fire Investigation  
Live Fire Practical Evolutions, Cleveland Fire Department  
National Registry Emergency Medical Technician, Initial Certification

### Honors and Awards:

Florian Cross, Cleveland Fire Department, August 2013  
Hero Award, American Red Cross, October 2013