

FORENSIC FIRE INVESTIGATION

Massachusetts, Rhode Island & Connecticut

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CHRISTOPHER MUSANTE

SENIOR FIRE INVESTIGATOR, NAFI-CFEI

QUALIFICATIONS & CURRICULUM VITAE

PROFESSIONAL SUMMARY

Mr. Musante is a seasoned investigator with over 30 years of combined investigative experience in both the public and private sectors. He has enjoyed several diverse roles throughout his career which has allowed him to develop a versatile investigative skillset. Mr. Musante is certified as a Fire and Explosion Investigator through the National Association of Fire Investigators (NAFI) and certified as a Fire Investigator through the State of Connecticut Office of Education and Data Management. Mr. Musante also has over ten years of fire suppression experience in addition to his Law Enforcement career.

As an Investigator in both the public and private sector, Mr. Musante has conducted and assisted with nearly 1000 fire origin and cause investigations, engineering losses, and physical security incidents. He has worked closely with all levels within the insurance industry to identify causation, subrogation and/or liability issues associated with fire losses. In addition, Mr. Musante has extensive experience with the evaluation, documentation, and preservation of physical evidence and fire scenes.

As a seasoned Law Enforcement Investigator with over 20 years of service with the Milford (CT) Police Department, Mr. Musante served as a Patrol Officer, Federal Task Force Officer, and Investigator. During his tenure at MPD, a multi-disciplinary team approach was initiated and developed in conjunction with the Milford Fire Department Fire Marshal's Office, where he was responsible for conducting investigations into the Origin and Cause of fires within the city. This team approach resulted in numerous comprehensive joint investigations.

Mr. Musante is also well-versed and has extensive project management experience related to the implementation of Life Safety and Fire Protection Systems (NFPA 241 - Safeguarding Construction, Alteration, and Demolition Operations, NFPA 72 - Fire Alarm and Signaling Code, NFPA 51B - Hot Work and NFPA 25 - Inspection, Testing and Maintenance of Water-Based Fire Protection Systems) within large high-tech manufacturing environments.

In 2025, Mr. Musante joined Thermalogix LLC team as a Senior Fire Investigator. His responsibilities include conducting in-depth and comprehensive fire and explosion investigations.

PROFESSIONAL EXPERIENCE

THERMALOGIX LLC Senior Fire Investigator	2025 –
ASML Holdings N.V Senior Security/Technical Specialist	2020-2025
Envista Forensics Expert Alliance Associate, Fire & Explosive Unit	2020-2023
Envista Forensics Senior Consultant – Fire & Explosion Unit	2016-2020
The City of Milford, Connecticut - Police Department Acting Detective Sergeant	2015-2016
The City of Milford, Connecticut - Police Department Investigator – Special Investigations Unit	2012-2016
The City of Milford, Connecticut - Police Department Task Force Officer - Federal Bureau of Investigation	2007-2009
The City of Milford Police Department Patrol Officer – Patrol Division	1995-2012

LICENSES & CERTIFICATIONS

- National Association of Fire Investigators (NAFI) - Certified Fire and Explosion Investigator (2015)
- State of Connecticut Office of Education and Data Management - Fire Investigator (2014)
- State of Connecticut Police Officer Standards and Training Council - Police Officer (1996)
- State of Connecticut Commission on Fire Prevention - Firefighter 1 (1988)

EDUCATION

- Criminal Justice, University of New Haven, West Haven, CT
- State of Connecticut Commission on Fire Prevention - Firefighter 1 (1988)

PROFESSIONAL AFFILIATIONS

- National Association of Fire Investigators (NAFI)
- International Association of Arson Investigators (IAAI)
- International Association of Arson Investigators, Connecticut Chapter (CT-IAAI)
- American Society for Industrial Security (ASIS)

COURT QUALIFICATIONS & DEPOSITIONS

- **EXPERT WITNESS:** Expert Witness Course, IAAI - Connecticut Chapter; 8 Hours (June 2019)

SPECIALIZED EDUCATION & TRAINING

Writing the Initial Origin and Cause Report	2026
Charting Your Career Path In Fire Investigation	2026
Critical Evaluation and Testing of Commonly Reported Accidental Causes	2026
Effective Investigation and Testimony	2026
Fundamentals of Interviewing	2026
Principles of Fire Investigation (Multi-Program Certificates Earned)	2026
NFPA 1033 and Your Career 2025, IAAI, CFI Trainer	2025
40th Arson Investigators Seminar, IAAI – CT	2025
Physical Evidence at the Fire Scene, IAAI, CFI Trainer	2025
Introduction to Evidence, IAAI, CFI Trainer	2025
Fundamentals of Fire Investigation, IAAI, RI	2025
Evidence Examination: What Happens at the Lab?, IAAI, CFI Trainer	2025
Ethics and the Fire Investigator, IAAI, CFI Trainer	2025
DNA, IAAI, CFI Trainer	2025
Commercial Kitchen Fires 1: Fundamentals, IAAI, CFI Trainer	2025
Fundamentals of Fire Investigation, IAAI, CFI Trainer	2025
Fire Chemistry, IAAI, CFI Trainer	2025
Documenting the Event, IAAI, CFI Trainer	2025
Understanding Undetermined, IAAI, CFI Trainer	2025
Insurance and the Fire Investigation, IAAI, CFI Trainer	2025
Fire Flow Analysis, IAAI, CFI Trainer	2025
Fire Effects Part 1: Heat Effects on Fuels, IAAI, CFI Trainer	2025
NFPA 1033 and Your Career, IAAI, CFI Trainer	2025
Fire Investigator Scene Safety, IAAI, CFI Trainer	2025
Understanding Fire Through the Candle Experiment, IAAI, CFI Trainer	2025
NFPA 241 Safeguarding Construction, Alteration, and Demolition Operations, NFPA	2024
NFPA 51B Hot Work Safe Practices, NFPA	2021
NFPA 25 Inspection, Testing, Maintenance Water-based Fire Protection Systems, NFPA	2020
How to Prepare to Testify as an Expert Witness Course, IAAI - Connecticut Chapter	2019
Asbestos Awareness Training, Safety Unlimited, Inc.	2018
Arson Investigators Seminar, IAAI - Connecticut Chapter	2018
17th Annual Motor Vehicle Fires, Connecticut State Police Fire & Explosion Investigations Unit	2017
Arson Investigators Seminar, IAAI - Connecticut Chapter	2016
The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, IAAI, CFI Trainer	2016
Indoor Post Blast School, Federal Bureau of Investigations	2016
Fire Protection Systems, IAAI, CFI Trainer	2016
Basic Electricity, IAAI, CFI Trainer	2016
Investigating Natural Gas Systems, IAAI, CFI Trainer	2016

SPECIALIZED EDUCATION & TRAINING (cont.)

Process of Elimination, IAAI, CFI Trainer	2016
Residential Natural Gas Systems, IAAI, CFI Trainer	2016
Residential Electrical Systems, IAAI, CFI Trainer	2016
The Annual Motor Vehicle Fires, Connecticut State Police Fire & Explosion Investigations Unit	2015
Investigating Motor Vehicle Fires, IAAI, CFI Trainer	2015
Aquatic Death and Homicidal Drowning Investigations Course, Lifeguard Systems	2015
The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, IAAI, CFI Trainer	2015
Explosion Dynamics, IAAI, CFI Trainer	2015
Fundamentals of Residential Building Construction, IAAI, CFI Trainer	2015
Advance Fire, Arson & Explosion Investigation Program: NFPA 921 & NFPA 1033, NAFI	2015
Ventilation-Focused Approach to the Impact of Building Structures and Systems, IAAI, CFI Trainer	2015
The Scientific Method for Fire and Explosion Investigations, IAAI, CFI Trainer	2015
Fatal Fires: An Introduction, IAAI, CFI Trainer	2015
Basic Photography and Digital Imaging, Connecticut Police Officer Training Council	2015
Fire Investigator Course, Office of State Fire Marshal, Connecticut	2014
Juvenile Fire-Setters (I), Connecticut Fire Academy	2014
Management and Investigations, The Henry Lee Institute of Forensic Science	2013
Cyber Investigations, White Collar Crime Center	2013
Violent Crime Behavioral Analysis Seminar, Federal Bureau of Investigations	2013
Advance Death Investigations, The Henry Lee Institute of Forensic Science	2012
Creating a Legally Defensible Case, Connecticut Governor's Task Force for Abused Children	2012
Crimes against Children Conference, Dallas Police Department	2012
Infant Death Investigations, Connecticut Division of Criminal Justice	2012
Interview and Interrogation, John E. Reid and Associates	2012
Incident Response Terrorist Bombings, New Mexico Tech	2008
Weapons of Mass Destruction: Hazardous Materials, Connecticut Fire Academy	2005
Weapons of Mass Destruction: Radiological, Connecticut Fire Academy	2003
Emergency Response to Terrorism: Incident Management, Connecticut Fire Academy	2003