

S. Neil Murphy, IAAI-CFI | Senior Fire Investigator

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Professional Summary:

Mr. Murphy has 30 years of experience in fire service, law enforcement and private sector fire investigations. Mr. Murphy has been responsible for and assisted in the investigation of over 2000 fire and explosions including personal vehicles, mass transit vehicles, tractor-trailers, heavy equipment, farm machinery, residential structures, large commercial and industrial structures. Mr. Murphy has experience working with local state and federal agencies in the investigation of fires and explosions.

- Fire Investigations
- Explosion Investigations
- Fire Investigations – Failure Analysis
- Fire Investigations – Incendiarism
- Fire Investigations – Origin and Cause

Licenses and Certifications:

North Carolina Private Investigator, License Number 2350
South Carolina Private Investigator, License Number RD108894
Certified Fire Investigator (CFI), International Association of Arson Investigators
(Cert # 24-033)
Certified Fire Investigator, NFPA 1033-2009 National Board on Fire Service Professional
Qualifications
Certified Hazardous Materials Responder Level I, North Carolina Fire and Rescue Commission
Certified Firefighter Level II, North Carolina Fire and Rescue Commission
Certified Instructor, Firefighter Level II, North Carolina Fire and Rescue Commission
Certified Fire Inspector, Level II, North Carolina Code Officials Qualifications Board

Project Experience:

Cooperative Warehouse, Lumberton, North Carolina Commercial Structure Fire Investigation

Investigation of the fire led to a successful subrogation civil trial outcome recovering an undisclosed amount.

Unnamed Insurance Company, Troy, North Carolina Residential Structure

Investigation identified a product failure and resulted in the successful recovery from the product manufacturer of one million dollars in loss by the insurance.

Professional Experience:

EFI Global, Inc., Senior Fire Investigator, 2018 to Present
Unified Investigations & Sciences, Inc., Senior Investigator, 1999 - 2018
INS (EFI) Investigations Bureau, Inc., Investigator, 1998-1999
North Carolina State Bureau of Investigation, Special Agent/Arson Investigator, 1987-1998
New Hanover County Sheriff's Department, Deputy Sheriff, 1980-1986

Specialized Education:

Lithium Ion Battery Fires, CFI Trainer.net / IAAI, 2021
Critical Evaluation and Testing of Commonly Reported Accidental Causes, , CFI Trainer.net / IAAI, 2021
NC/SC 2021- Virtual Spring Seminar Series, ,NC Forestry Investigators-Wildland Serial Fire Case Study; Fire Investigator Health and Safety; 1033 update and new information; CSST Examination; Preparing for Expert Witness Testimony, 2021
Fatal Fires, Arson Profiles, Impact of ventilation on fires, Daubert Challenges, Serial Arson Case Study, NC/SC IAAI Joint Fire Investigative Approaches Seminar, 2017
Writing the Origin & Cause Report, CFI Trainer.net / IAAI, 2017
AHERA-OSHA O&M, Asbestos Recognition Training Course, AAA Environmental 2017
In-service Webinar Series: Essentials of NFPA 1033, Unified Investigations & Sciences, 2017
Explosives & IEDs, West Texas Case Study, Kirk's Fire Investigation Update, Forensic Electrical Surveys and Arc Mapping, NC/SC IAAI Joint Fire Investigative Approaches Seminar, 2016
AHERA-OSHA O&M, Asbestos Recognition Training Course, AAA Environmental, 2016
Physical Evidence at the Fire Scene, CFI Trainer.net / IAAI, 2016
Post Flashover Fires, CFI Trainer.net / IAAI, 2015
Arson Scene Search & Evidence Recovery, Fundamentals of the Investigation of Fires Involving Light Fixtures, Fire Fatalities and Homicides, Scene Documentation, Myrtle Beach, South Carolina, 2015
AHERA-OSHA O&M, Asbestos Recognition Training Course, AAA Environmental, 2015
Wildland Fire Investigations, Fire Deaths, Photography for Fire Investigators, CSST and Lightning Fires, Compartment Fire Dynamics, NC IAAI Advances Investigative Approaches Seminar;, 2015
Interview Deception Recognition and Ventilation Effects to Fire Investigation, NC/SC IAAI Joint Fire Investigative Approaches Seminar, 2014
AHERA-OSHA O&M, Asbestos Recognition Training Course, AAA Environmental, 2014
OSHA 29 CFR 1910.1200-Globally Harmonized System of Classification and Labeling of Chemicals, Unified Investigations and Sciences, Inc., 2014
Process of Elimination, CFI Trainer.net / IAAI, 2014
NFPA 921 and 1033 2014 Editions: Important Revisions, CFI Trainer.net / IAAI, 2014
DNA, CFI Trainer.net / IAAI, 2013
The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, CFI Trainer.net / IAAI, 2013
Ethics & Social Media, CFI Trainer.net / IAAI, 2013
Evidence Examination: What Happens in the Lab?, CFI Trainer.net / IAAI, 2013
Fire Protection Systems, CFI Trainer.net / IAAI, 2013
Ethics and the Fire Investigator: CFI Trainer.net / IAAI, 2013
Electrical Safety, CFI Trainer.net / IAAI, 2013
Critical Thinking Solves Cases, CFI Trainer.net / IAAI, 2013

Fundamentals of Residential Building Construction, CFI Trainer.net / IAAI, 2013
Explosion Dynamics, CFI Trainer.net / IAAI, 2013
Documenting the Event, CFI Trainer.net / IAAI, 2013
Advanced Appliance Fire Investigation, NC/SC IAAI Joint Fire Investigative Approaches Seminar, 2013
Fire Code Enforcement, North Carolina Association of Fire Chief's, North Carolina Fire Prevention School, Intermediate Classes, 2013
AHERA-OSHA O&M, Asbestos Recognition Training Course, AAA Environmental 2013
Arc Mapping Basics, Unified Investigations & Sciences, Inc., 2013
Advanced Appliance Fire Investigation, NC/SC IAAI Joint Fire Investigative Approaches Seminar, 2012
AHERA-OSHA O&M, Asbestos Recognition Training Course, AAA Environmental 2012
Digital Photography and the Fire Investigator, CFI Trainer.net / IAAI, 2012
A Ventilation Focused Approach to the Impact of Building Structures and Systems on Fire Development, CFI Trainer.net / IAAI, 2012
Charleston Sofa Super Store; CFI Trainer.net / IAAI, 2012
NFPA 1033 and Your Career, CFI Trainer.net / IAAI, 2012
Arc Mapping Basics, CFI Trainer.net / IAAI, 2012
Effective Investigation and Testimony, CFI Trainer.net / IAAI, 2012
Fire Investigator Scene Safety, CFI Trainer.net / IAAI, 2011
Courtroom Testimony & Conduct, Bert Croom Private Investigations Training, 2011
Surveillance, Bert Croom Private Investigations Training, 2011
Advanced Appliance Fire Investigation, NC/SC IAAI Joint Fire Investigative Approaches Seminar, 2010
NC/SC IAAI Joint Fire Investigative Approaches Seminar; Advanced Appliance Fire Investigation, Myrtle Beach, South Carolina, 2008
Updated 2009 The Scientific Method for Fire and Explosion Investigation, CFI Trainer.net / IAAI, 2009
Fire and Explosion Investigations: Utilizing NFPA 1033 and 921, CFI Trainer.net / IAAI, 2009
Investigating Motor Vehicle Fires, CFI Trainer.net / IAAI, 2007
Insurance and Fire Investigation, CFI Trainer.net / IAAI, 2008

Education:

Bachelor of Arts, Criminal Justice, University of North Carolina at Wilmington, Wilmington, North Carolina

Affiliations:

International Association of Arson Investigators
North Carolina International Association of Arson Investigators, Board of Directors
North Carolina Firefighters Association
North Carolina Insurance Crime Information Exchange
South Carolina International Association of Arson Investigators

**Litigation CV available upon request.