

## 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:

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.