George Hughes | Fire Investigator, **IAAI – CFI, CFEI**

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Professional Summary:

Mr. Hughes has over 31 years of experience in the fire service. He retired from the Virginia Beach, VA Fire Department as a Captain and supervised firefighters responding to emergency incidents involving fires, emergency medical incidents, and hazardous materials incidents. He also coordinated reviews of fire protection systems, fire code inspections and fire investigations for the city. He instructed new recruits and fellow firefighters in all aspects of firefighting techniques and fire investigations. He earned a Bachelor of Science in Fire Administration from Hampton University, Associates Degrees in Administration of Justice and Fire Science from Tidewater Community College. His final assignment was the Captain of the Fire Investigation unit where he investigated many fires which involving single and multi-family dwellings, commercial structures, vehicles, arson investigations and fire fatalities

Licenses and Certifications:

Certified Fire Investigator (CFI), International Association of Arson Investigators, Inc., December 2020, Certificate Number: 11-121466

Certified Fire and Explosion Investigator (CFEI), National Association of Fire Investigators, March 2021, Certificate Number: 24227-14676

Private Investigator, Commonwealth of Virginia, DCJS, License #: 99-674476

Professional Experience:

EFI Global, Fire Investigator, 2021 to Present
Virginia Beach Fire Department, Virginia Beach, VA,
Firefighter, Captain, Instructor, Inspector, Investigator, EMT-B; 1990-2021

Specialized Education:

Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems, CFI Trainer.NET / IAAI, January 2022, tested
Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems, CFI Trainer.NET / IAAI, January 2022, tested
Incident Response to Terrorist Bombings (IRTB), New Mexico Tech – Energetic Materials Research and Testing Center, DHS & FEMA, Socorro, New Mexico, 4-day course, November 2021, tested
Insurance and the Fire Investigation, CFI Trainer.NET / IAAI, November 2021, tested

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Virginia Beach Police Detective School, Virginia Beach, VA, 2-day course, September 2021
Charting Your Career Path in Fire Investigation, CFI Trainer.NET / IAAI, September 2021, tested
Tidewater Regional Arson Panel, Coordinated Code Enforcement Actions and Sprinklers, Standpipes, Virginia Beach, VA, May 2021
NFA RO772 – Fire Investigation: Essentials, National Fire Academy, Emmitsburg, MD, 10-day course, April 2021, tested
Arson for Profit, National Insurance Crime Training Academy, February 2021, online, tested
Tidewater Regional Arson Panel – Legal Updates and Environmental Crimes Awareness, November 20, 2020, 8 hours, Virginia Beach, VA
Fire Flow Analysis, CFI Trainer.NET / IAAI, November 2020, tested
Fire Investigation for Fire Officers, CFI Trainer.NET / IAAI, November 2020, tested
Introduction to Youth-Set Fires, CFI Trainer.NET / IAAI, November 2020, tested
How First Responders Impact the Fire Investigation, CFI Trainer.NET / IAAI, November 2020, tested
DNA, CFI Trainer.NET / IAAI, April 2020, tested
Introduction to Appliances, CFI Trainer.NET / IAAI, March 2020, tested
Managing Complex Fire Scene Investigations, CFI Trainer.NET / IAAI, March 2020, tested
Writing the Initial Origin and Cause Report, CFI Trainer.NET / IAAI, March 2020, tested
The Impact of Ventilation in Building Structures of Fire Development, CFI Trainer.NET / IAAI, March 2020, tested
Fire Protection Systems, CFI Trainer.NET / IAAI, February 2020, tested
Post-flashover Fires, CFI Trainer.NET / IAAI, February 2020, tested
Process of Elimination, CFI Trainer.NET / IAAI, February 2020, tested
Residential Electrical Systems, CFI Trainer.NET / IAAI, February 2020, tested
Explosion Dynamics, CFI Trainer.NET / IAAI, January 2020, tested
Investigating Natural Gas Systems, CFI Trainer.NET / IAAI, January 2020, tested
Residential Natural Gas Systems, CFI Trainer.NET / IAAI, January 2020, tested
Wildland Fires Investigation, CFI Trainer.NET / IAAI, January 2020, tested
ATF Post Blast Investigation Techniques, Redstone Arsenal, Huntsville, AL, 5-day course, September 2019, tested
Evidence Examination: What Happens at the Lab?, CFI Trainer.NET / IAAI, September 2019, tested
LSU/ NCBRT – Advanced Forensic Investigation for Hazardous Environments – Performance Level, Virginia Beach, VA, 5-day course, August 2019, Tested
Critical Evaluation and Testing of Commonly Reported Accidental Causes, CFI Trainer.NET / IAAI, August 2019
Investigating Motor Vehicle Fires, CFI Trainer.NET / IAAI, August 2019, tested
Documenting the Event, CFI Trainer.NET / IAAI, April 2019, tested
Introduction to Fire Dynamics and Modeling, CFI Trainer.NET / IAAI, April 2019, tested
Physical Evidence at the Fire Scene, CFI Trainer.NET / IAAI, April 2019, tested
NFA R0255 – Fire Investigation: Electrical Systems, National Fire Academy, Emmitsburg, MD, 6-day course, March 2019, tested
Fire Investigator Scene Safety, CFI Trainer.NET / IAAI, March 2019, tested
Fundamentals of Residential Building Construction, CFI Trainer.NET / IAAI, March 2019, tested
Investigating Fatal Fires, CFI Trainer.NET / IAAI, March 2019, tested
Understanding Undetermined, CFI Trainer.NET / IAAI, November 2018, tested
FBI National Improvised Explosives and Familiarization Course, Yorktown, VA, 1 day, August 2018
Introduction to Evidence, CFI Trainer.NET / IAAI, June 2018, tested
IAAI – International Training Conference, Frisco, TX, May 2018, Various courses, tested
NFA R0208 – Fire Investigation: Interview and Testimony, National Fire Academy, Emmitsburg, MD, 10-day course, April 2018, tested
Arc Mapping Basics, CFI Trainer.NET / IAAI, April 2018, tested
Electrical Safety, CFI Trainer.NET / IAAI, April 2018, tested

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Preparation for the Marine Fire Scene, CFI Trainer.NET / IAAI, March 2018, tested
Thermometry, Heat and Heat Transfer, CFI Trainer.NET / IAAI, February 2018, tested
Fire Chemistry, CFI Trainer.NET / IAAI, February 2018, tested
The Scientific Method for Fire and Explosion Investigation, CFI Trainer.NET / IAAI, January 2018, tested
Understanding Fire through the Candle Experiments, CFI Trainer.NET / IAAI, January 2018, tested
Fire Fighter Basic Electrical Inspector and Investigator Course, BEI Tactical, Virginia Beach, VA 2-day course, January 2018
NFPA 1033 and Your Career, CFI Trainer.NET / IAAI, October 2017, tested
The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, CFI Trainer.NET / IAAI, October 2017, tested
Kitchen Hoods Fire Suppression, BFPE International, Virginia Beach, VA, 4 hours, September 2017
NFPA 1033 Fire Investigations, 160 Hours Virginia Department of Fire Programs, Lynchburg, VA, August 2017, Tested
Basic Electricity, CFI Trainer.NET / IAAI, July 2017, tested
Plans Review – Non-structural, Virginia Dept. of Housing and Community Development, June 2017
Critical Thinking Solves Cases, CFI Trainer.NET / IAAI, June 2017, tested
Ethics and the Fire Investigator, CFI Trainer.NET / IAAI, June 2017, tested
Effective Investigation and Testimony, CFI Trainer.NET / IAAI, June 2017, tested
Fundamentals of Interviewing, CFI Trainer.NET / IAAI, June 2017, tested
Magne Tek: A Case Study in the Daubert Challenge, CFI Trainer.NET / IAAI, June 2017, tested
Fire Protection Systems Inspection, Virginia Dept. of Housing and Community Development, December 2016
Fire Official, Virginia Dept. of Housing and Community Development, October 2016
Fire Prevention Inspector, Virginia Dept. of Housing and Community Development, September 2016
Virginia Fire Marshal Academy, Law Enforcement for Fire Marshals, 10 weeks, Virginia Department of Fire Programs, April-June 2016, Tested
Search and Seizure, CFI Trainer.NET / IAAI, April 2016, tested
NFPA 1031 Fire Inspector I/II, 160 Hours Virginia Department of Fire Programs, Virginia Beach, VA, February 2016, Tested

Education:

Bachelor of Science, Fire Administration, Hampton University, Hampton, VA, 1998
Associate in Applied Science, Fire Science, Tidewater Community College, Virginia Beach, VA, 1995
Associate in Applied Science, Administration of Justice, Tidewater Community College, Virginia Beach, VA 1998

Affiliations:

International Association of Arson Investigators (IAAI)
International Association of Firefighters (IAFF)
National Association of Fire Investigators (NAFI)
Tidewater Regional Arson Panel (TRAP)

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