

Daniel L. Gwinn | Senior Fire Investigator, IAAI-CFI

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Professional Summary:

Daniel Gwinn has over 30 years in the Fire and Public Safety field. He spent most of his time in the public housing sector investigating fires and resolving losses. Mr. Gwinn established prevention programs for that reduced losses by 90 percent, including a multi-agency Youth Fire Setter Intervention program which served over 300 students. During his time in the fire service industry, he has held various leadership and investigations positions in Southside Fire Protection Agency and Columbia County Fire Rescue. He has gained additional experience during a contract deployment to the Middle East where he served as the Fire Investigator for the U.S. Army Central Command. Mr. Gwinn has extensive experience in origin and cause investigations involving residential, commercial, and industrial losses as well as vehicle, heavy equipment and commercial vehicle losses. Daniel holds a BA in Psychology from the Citadel and a MA in Public Administration from Augusta State University. He is a Certified Fire Investigator through the International Association of Arson Investigators. He presently is employed out of the Columbus, Georgia Office.

Licenses and Certifications:

Private Detective, State of Georgia, GA, PDE050868

Private Investigator, State of South Carolina RD241686

Fire Inspector 1, National Board on Fire Service Professional Standards, NFPA 1033-2009

Firefighter II, National Board on Fire Service Professional Standards, NFPA 1001-2008

Certified Fire Investigator, International Association of Arson Investigators, 08-011836

Fire Investigator, Georgia Firefighter Standards and Training Counsel, INV-00232-07

Certified IAAI-CFI JPR

Project Experience:**IAP, Al-Asad, Iraq****February – March 2017, SEAL TOC Fire Investigation – Camp Freiwald**

16,000 square foot Navy SEAL Tactical Operations Center Fire, Supervising Two (2) Air Force Senior NCO Fire Inspector/Investigators in the three-week excavation and origin and cause investigation.

IAP, Joint Operation Center, Az-Zarqua, Jordan**July – August 2016, Fire Inspection, Fire Prevention, Fire Investigation Program**

Initial set up of Fire Prevention, Inspections, and Investigation programs for U.S. Forces in Jordan. Oversight of the installation of new Fuels station, initial fire prevention training to Jordanian Special Forces staff, Joint Training Center, and investigation of two fires impacting US Operations in the Jordan/Syria Area of Operations

Youth Fire Setter Intervention Program, Richmond/Columbia County, Georgia 2002 - 2014

Established investigation, evaluation and treatment program for youth set fires. Treated over 300 youth offenders.

Court Qualifications/ Depositions:

Litigation CV available upon request.

Professional Experience:

Unified Investigations & Sciences, Inc, /EFI Global, Senior Fire Investigator, 2017 - to present.
IAP Worldwide Services, Fire Investigator/Task Force Safe, 2016-2017
Columbia County Fire Rescue, Captain/AEMT, 2012-2016
Augusta Housing Authority, Modernization Director/Fire and Loss Investigator, 1992-2016
Martinez-Columbia Rescue, Captain/Investigator, 1992-2012

Specialized Education:

Scientific Method, CFITrainer.net, 2025
Arc Mapping Basics CFI Trainer.net 2025
Lightning Fundamentals, CFI Trainer.net 2025
Critical Evaluation and Testing of Commonly Reported Accidental Causes, CFI Trainer 2025
Commercial Kitchen Fires 2: Investigation, CFI Trainer 2025
HAZWOPER 8-hour training recertification EFI Global 2025
Post Traumatic Stress, GPSFI 2025
Analyzing the Incident for Cause and Responsibility, GPSFI 2025
Depth of Calcination, GPSFIA 2025
Courtroom Testimony, GPSFIA 2025
Vapes and Battery Investigations, GPSFIA 2024
The Dangers of Lithium Batteries, GPSFIA 2024
The Concepts of NFPA 921, GPSFIA 2024
Search Warrants, and Affidavits to Social Media Outlets, GPSFIA 2024
Social Media, and the Investigations, GPSFIA 2024
Solar Panel Investigations, GPSFIA 2024
Lithium Batteries, EFI Global 2024
Commercial Kitchen Fires 1: Fundamentals, CFITrainer.net 2024
Investigating Motor Vehicle Fires, CFITrainer.net, 2023
Motor Vehicles: The Engine and the Ignition, Electrical and Fuel Systems, CFI Trainer.net 2023
Motor Vehicles: Transmission, Exhaust, Brake and Accessory Systems, CFI Trainer.net 2023
Ethical Duties Beyond the Fire Scene, CFITrainer.net 2023
Fire Effects Part 2, Combustion By-Product Effects, CFITrainer.net 2023
Fire Effects Part 1, Heat Effects on Fuels, CFITrainer.net, 2023
Electrical Fires and Total Burned Structures, GPSFIA 2023
Evidence Collection, GPSFIA 2023
Investigation of Total Burn Structures, GPSFIA 2023
Flow Path Patterns for Fire Investigation, GPSFIA 2023
Interviews and Investigations, GPSFIA 2023
Fire Chemistry, CFITrainer.net, 2023
Explosion Dynamics, CFITrainer.net, 2023

HAZWOPER, 360 Training, 2022
NFPA1033 & 921 2022/2021 Editions Important Updates, CFITrainer.net 2022
Digital Photography and the Fire Investigator, CFITrainer.net 2022
The Deposition Part 1: Format, Content and Preparation, CFITrainer.net 2022
The Deposition Part 2: Questioning Tactics and Effective Responses, CFITrainer.net 2022
Alternative Fuel Vehicle, CFITrainer.net 2022
Photovoltaic Cells and Systems, CFITrainer.net 2022
Lithium-ion Battery Fires, CFITrainer.net 2021
Electric and Hybrid Vehicle Design Basics, CFITrainer.net 2021
Electric and Hybrid Vehicle Fires, CFITrainer.net 2021
Practical Application of Relationship between NFPA1033 and 921 CFITrainer.net, 2021
Spontaneous Combustion, EFI Global, 2020
Berla Vehicle Data Systems, EFI Global, 2020
Residential Natural Gas Systems, CFITrainer.net 2020
Residential Electrical Systems, CFITrainer.net, 2020
Fire Protection Systems, CFITrainer.net, 2020
Documenting the Event, CFITrainer.net, 2020
Introduction to Youth Set Fires, CFI Trainer.net, 2020
Investigating Natural Gas Systems CFITrainer.net 2020
Wildland Fire Investigations, CFITrainer.net, 2020
Managing Complex Fire Scenes CFITrainer.net, 2020,
Scientific Method, CFITrainer.net, 2020
Post-Flashover Fires, CFITrainer.net, 2020
Fundamental of Interviewing, CFITrainer.net, 2020
Validate Your Hypothesis, CFITrainer.net, 2020
First Responder's Impact on fire investigations, CFITrainer.net, 2020
Managing Complex Fire Scenes, CFITrainer.net, 2020
Post-Flashover Fires, CFITrainer.net, 2020
Fundamental of Interviewing, CFITrainer.net, 2020
Sofa Super Store Case study, CFITrainer.net, 2020
Effective Investigation and Testimony, CFITrainer.net, 2020
The HAZWOPER Standard, CFITrainer.net, 2020
Fundamentals of Residential Building Construction, CFI Trainer.net, 2020
Understanding Undetermined, CFITrainer.net, 2020
Writing the Initial Origin and Cause Report, CFITrainer.net, 2020
The Potential Value of Electronic Evidence in Fire Investigations, CFITrainer.net, 2020
Introduction to Evidence, CFITrainer.net, 2020
Discovery in Civil Cases, CFITrainer.net, 2020
Fire Flow Analysis, CFITrainer.net, 2020
Physical Evidence at the Fire Scene, CFITrainer.net, 2019
Introduction to Fire Dynamics and Modeling, CFITrainer.net, 2019
The Impact of Ventilation in Building Structures on Fire Development, CFITrainer.net, 2019
NFPA 921 and 1033 2014 Editions: Important Revisions, CFITrainer.net, 2018
Critical Thinking Solves Cases, CFITrainer.net, 2018
2015 IFC Performing Commercial Fire Inspections, International Code Council, 2017
Thermometry, Heat and Heat Transfer CFI Trainer 2017
Discovery in Criminal Cases, CFI Trainer, 2017
Basic Electricity, CFI Trainer, 2017
Insurance and the Fire Investigations, CFI Trainer, 2017
Advanced Arson Investigation 2017, Alabama Association of Arson Investigators, 2017

RV/Boat Fires, Alabama Association of Arson Investigators, 2017
Evidence Examination: What happens at the Lab? CFI Trainer, 2016
Crime Scene and Courtroom Testimony, Office of Emergency Management, 2015
NFPA 1033 and Your Career, CFI Trainer, 2013
The Scientific Method for Fire and Explosion Investigations, CFI Trainer, 2013
IS-00100.b, Introduction to Incident Command System, FEMA, 2013
IS-00200.b, ICS for Single Resources and Initial Action Incident, FEMA, 2013
IS-00700.a National Incident Management System (NIMS), FEMA, 2010
IS-00800.b National Response Framework, FEMA, 2010

Education:

Master of Arts, Public Administration, Augusta State University, Augusta, Georgia 2001

Bachelor of Arts, Psychology, The Citadel, The Military College of South Carolina
Charleston, South Carolina 1985

Affiliations:

National Eagle Scouts Association (NESA) – (Life Member)
Citadel Alumni Association - (Life Member)
Georgia Fire Investigator Association (GFIA)
Alabama Arson Investigators Association (AAIA)
International Arson Investigators Association (IAAI)
Member –Supreme Court Historical Society
Order of the Arrow – Boy Scouts of America – Vigil Honor Member
Member- Pi Alpha Alpha – Public Administration Honor Society

Courses Instructed/ Guest Lecturer:

Youth Fire Setter Prevention Program – Columbia and Richmond County Georgia 2002-2014

Guest Lecturer, Augusta Technical College – Criminal Justice Program – Arson, Bombing and Hate Crimes 2009-2014 (two classes a year)

Guest Lecturer, Georgia Regents University/Augusta University – CRJU 3950-C Criminal Justice – Arson and Fire Investigations 2013-2014

Guest Lecturer. National Safe Kids Campaign, Washington DC – Fire Prevention Practices October 1996

Honors and Awards:

Eagle Scout – Boy Scouts of America, 1980

Fire Fighter of the Year – Martinez-Columbia Fire Rescue, 2001