
Lance A. Reynolds | Senior Fire Investigator, IAAI-CFI(V), CFEI

Jacksonville, Florida

904-319-0912

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Professional Summary:

Mr. Reynolds possesses extensive classroom training in fire investigation and boasts over two decades of meticulously documented experience as a fire origin and cause investigator. His career spans both public and private sectors, encompassing oversight and investigation of numerous fire and explosion incidents.

During his tenure at the Jacksonville Fire Rescue Department, Mr. Reynolds served notably in the Fire Prevention Division, holding pivotal roles such as Fire and Explosion Investigator, Supervisor of Fire Prevention Public Education, Supervisor of Plan Review, and Hazardous Materials Coordinator. His responsibilities included collaborating with the Emergency Preparedness Division to enforce stringent city and state regulations concerning the reporting of hazardous substances at Extremely Hazardous Sites.

As a seasoned Fire Investigator within the Jacksonville Fire Rescue Department, Mr. Reynolds conducted thorough examinations of residential and commercial fire scenes to determine their origin and cause. His investigations extended to complex incidents involving civilian fatalities, chemical explosions, and explosive devices.

Furthermore, Mr. Reynolds has contributed significantly to the professional development of his peers, delivering comprehensive fire investigation training programs within the Jacksonville Fire Rescue Department and serving as a distinguished adjunct instructor for Florida State College's Fire Science Degree program in Fire Science.

Licenses and Certifications:

Certified Fire Investigator, International Association of Arson Investigators, Certification # 09-060924 with vehicle endorsement IAAI-CFI(V)

Certified Fire & Explosion Investigator, National Association of Fire Investigators, Registration # 10391-950

Private Investigator, Department of Agriculture and Consumer Services, Florida, License # C1200041

Federal Aviation Administration, Remote Pilot, Certificate # 4624567

IADC RigPass, International Association of Drilling Contractors #sxx000468690

Private Detective, Secretary of State, Georgia, License # PDE049336

Court Qualifications/ Depositions:

Mr. Reynolds has testified as an expert witness in Florida Criminal Court. He has also given expert witness testimony by deposition in Duval County, Florida for criminal and civil court.

Professional Experience:

EFI Global, Senior Fire Investigator, 2021 – Present
E2 Design & Construction, LLC, General Manager, 2020 – 2021
Kevin B. Hays Fire Consulting, LLC, Fire Consultant, 2020 – 2020
EFI Global, Senior Fire Investigator, 2018 – 2020
Unified Investigations & Sciences, Inc., Senior Fire Investigator, 2018 – 2018
Unified Investigations & Sciences, Inc., Fire Investigator, 2015 – 2018
Firensics, Inc., Fire Investigator, 2013 – 2014
Unified Investigations & Sciences, Inc., Special Investigator, 2012 – 2013
Jacksonville Fire & Rescue Department, Fire Captain, 2004 – 2012
Jacksonville Fire & Rescue Department, Fire Lieutenant, 2001 – 2004
Jacksonville Fire & Rescue Department, Engineer, 1997 – 2001
Jacksonville Fire & Rescue Department, Firefighter, 1993 - 1997

Specialized Education:

EFI HAZWOPER General Site Worker 8-Hour Refresher March 4, 2026

Complex Fire Investigation Strategies for Insurance Claims Professionals, International Association of Arson Investigators, Huntsville, Alabama, April/May 2025

Understanding Undetermined, International Association of Arson Investigators/CFI Trainer.net, April 2025

IAAI ITC 2025, Case Studies in Forensic Fire Protection Engineering, International Association of Arson Investigators, April 2025

IAAI ITC 2025, Making the Leap from Fire Investigation of Structure Fires to Heavy Equipment, International Association of Arson Investigators, April 2025

IAAI ITC 2025, Streamlining Data Analysis in Fire Investigations Using Advanced Analytics, International Association of Arson Investigators, April 2025

IAAI ITC 2025, Range Top Fires, International Association of Arson Investigators, April 2025

IAAI ITC 2025, NFPA 1321 Overview for Fire Investigation Unit Management and Supervision, International Association of Arson Investigators, April 2025

IAAI ITC 2025, Marine Fire Investigations – Basics, Fire Dynamics and Case Studies, International Association of Arson Investigators, April 2025

IAAI ITC 2025, Lessons from Collecting Electrical Data, International Association of Arson Investigators, April 2025

IAAI ITC 2025, Advanced Concepts in Self-heating Fires – Case Studies, International Association of Arson Investigators, April 2025

IAAI ITC 2025, Don't Get Burned by PV/Solar Energy Fires, International Association of Arson Investigators, April 2025

IAAI ITC 2025, Decision Making and Cognitive Biases in Fire Investigations, International Association of Arson Investigators, April 2025

IAAI ITC 2025, Lithium-Ion Batteries: Design, Construction, Failures and Fire Causes, International Association of Arson Investigators, April 2025

Commercial Kitchen Fires 1: Fundamentals, International Association of Arson Investigators/CFI Trainer.net, 2025

Safe Swing Rope, Moxie Media, 2024

Safe Offshore Personnel Transfer – Traditional Baskets, Moxie Media, 2024

Marine Debris Awareness and Prevention, Moxie Media, 2024

GWO Sea Survival, Survival Systems USA, Groton, CT, 2024

Rig Pass Training, Moxie Media, 2024

Marine Fire Investigation, International Association of Arson Investigators/CFI Trainer.net, 2024

Preparation for the Marine Fire Scene, International Association of Arson Investigators/CFI Trainer.net, 2024

The Scientific Method for Fire and Explosion Investigation, International Association of Arson Investigators/CFI Trainer.net, 2024

The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, International Association of Arson Investigators/CFI Trainer.net, 2024

FL ATC 2023, Wildland Fire Investigation, International Association of Arson Investigators/CFI Trainer.net, 2023

FL ATC 2023, Making Arson Cases Stronger for Prosecution, International Association of Arson Investigators/CFI Trainer.net, 2023

FL ATC 2023, Investigating Lightning Strike Fires, International Association of Arson Investigators/CFI Trainer.net, 2023

FL ATC 2023, Hypothesis Development in Fire Investigation, International Association of Arson Investigators/CFI Trainer.net, 2023

FL ATC 2023, Challenges to Expert Qualifications, Methodology, & Opinions, International Association of Arson Investigators/CFI Trainer.net, 2023

Charting Your Career Path In Fire Investigation, International Association of Arson Investigators/CFI Trainer.net, 2023

Writing the Initial Origin and Cause Report, International Association of Arson Investigators/CFI Trainer.net, 2023

Thermometry, Heat, and Heat Transfer, International Association of Arson Investigators/CFI Trainer.net, 2023

Fire Effects Part 2: Combustion By-Products Effects, International Association of Arson Investigators/CFI Trainer.net, 2023

2023 ITC Born to Burn, International Association of Arson Investigators/CFI Trainer.net, 2023

2023 ITC Complex Fire Investigation with Focus on Electrical Systems, International Association of Arson Investigators/CFI Trainer.net, 2023

2023 ITC Firearm and Fire Cause, International Association of Arson Investigators/CFI Trainer.net, 2023

2023 ITC Butane Hash Oil, International Association of Arson Investigators/CFI Trainer.net, 2023

2023 ITC Child/Adolescent Forensic Interviewing in Fire Investigations, International Association of Arson Investigators/CFI Trainer.net, 2023

2023 ITC Looking Past the Fire, International Association of Arson Investigators/CFI Trainer.net, 2023

2023 ITC NFPA 1321 Standards on Fire Investigation Units, International Association of Arson Investigators/CFI Trainer.net, 2023

2023 ITC Fire Photography, International Association of Arson Investigators/CFI Trainer.net, 2023

2023 ITC An Examination of Wi-Fi (Smart) Plug, International Association of Arson Investigators/CFI Trainer.net, 2023

2023 ITC Investigating Arson for Profit, International Association of Arson Investigators/CFI Trainer.net, 2023

Fire Effects Part 1: Heat Effects on Fuels, International Association of Arson Investigators/CFI Trainer.net, 2023

Electrical Safety, International Association of Arson Investigators/CFI Trainer.net, 2023

Evidence Examination: What Happens at the Lab, International Association of Arson Investigators/CFI Trainer.net, 2023

HAZWOPER 8 Hour annual Refresher, 360 Training, Jacksonville, FL 2022

NFPA 1033 & 921: 2022/2021 Editions Important Updates, International Association of Arson Investigators/CFI Trainer.net, 2022

International Fire, Arson, & Explosion Investigation Training Program, National Association of Fire Investigators, New Orleans, LA, 2022

Lithium-Ion Battery Fires, International Association of Arson Investigators/CFI Trainer.net, 2022

Residential Natural Gas Systems, International Association of Arson Investigators/CFI Trainer.net, 2022

Ethics and the Fire Investigator, International Association of Arson Investigators/CFI Trainer.net, 2021

Critical Evaluation and Testing of Commonly Reported Accidental Causes, International Association of Arson Investigators/CFI Trainer.net, 2021

Fire Flow Analysis, International Association of Arson Investigators/CFI Trainer.net, 2021

Electric & Hybrid Vehicle Design Basics, International Association of Arson Investigators/CFI Trainer.net, 2021

Ethics & Social Media, International Association of Arson Investigators/CFI Trainer.net, 2021

Introduction to Appliances, International Association of Arson Investigators/CFI Trainer.net, 2021

Introduction to Youth-Set Fires, International Association of Arson Investigators/CFI Trainer.net, 2021

The Deposition Part 1: Format, Content, and Preparation, International Association of Arson Investigators/CFI Trainer.net, 2021

Asbestos Operations & Maintenance Refresher, Asbestos Consulting & Training Systems, Seagull Training, 2019

2019 ITC Investigating Natural Gas Events, International Association of Arson Investigators, 2019

2019 ITC I've Lost My Moral Compass: A Case Study of an Interagency Investigation into Two Complex Arsons, International Association of Arson Investigators, 2019

2019 ITC Patterns of Heat Flow and Melted Conductors, International Association of Arson Investigators, 2019

Asbestos Operations & Maintenance Course, Asbestos Consulting & Training Systems / Seagull Training, 2018

Motor Vehicle Fire Investigation, International Association of Arson Investigators, Reading, PA, 2018

Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems, International Association of Arson Investigators/CFITrainer.net, 2018

Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems, International Association of Arson Investigators/CFITrainer.net, 2018

Fire Chemistry, International Association of Arson Investigators/CFITrainer.net, 2018

Asbestos Standard for the Construction Industry, Compliance Training Online, 2017

Essentials of NFPA 1033, Unified Investigations & Sciences, 2017

Fundamentals of Residential Building Construction, International Association of Arson Investigators/CFITrainer.net, 2016

Knowledge I Motor Vehicle Fires Tier I, International Association of Arson Investigators/CFITrainer.net, 2016

Investigating Motor Vehicle Fires, International Association of Arson Investigators/CFITrainer.net, 2016

Osha 29 CFR 1910.1200 Globally Harmonized System of Classification and Labeling of Chemicals, Unified Investigations & Sciences, 2015

Fire Protection Systems, International Association of Arson Investigators/CFITrainer.net, 2015

Basic Electricity, International Association of Arson Investigators/CFITrainer.net, 2015

Understanding Fire Through the Candle Experiments, International Association of Arson Investigators/CFITrainer.net, 2015

Residential Electrical Systems, International Association of Arson Investigators/CFITrainer.net, 2014

NFPA 921 and 1033 2014 Editions: Important Revisions, International Association of Arson Investigators/CFITrainer.net, 2014

Effective Investigation and Testimony, International Association of Arson Investigators/CFITrainer.net, 2014

Explosion Dynamics, International Association of Arson Investigators/CFITrainer.net, 2014

Introduction to Evidence, International Association of Arson Investigators/CFITrainer.net, 2014

Documenting the Event, International Association of Arson Investigators/CFITrainer.net, 2014

Critical Thinking Solves Cases, International Association of Arson Investigators/CFITrainer.net, 2013

Insurance and the Fire Investigation, International Association of Arson Investigators/CFITrainer.net, 2013

Keeping Up with the Dogs, Texas State Fire Marshal's Office, 2013

HAZWOPER (Hazardous Waste Safety for General Site Workers), Northeast Florida Safety Council, Inc., 2012

UIS Investigations School, Unified Investigations & Sciences, 2012

Fundamentals of Interviewing, International Association of Arson Investigators/CFITrainer.net, 2012

Arc Mapping Basics, International Association of Arson Investigators/CFITrainer.net, 2012

AHAM- Investigation of Electrical and Appliance Related Fires, International Association of Arson Investigators, Inc., 2011

Fire Investigator Scene Safety, International Association of Arson Investigators/CFITrainer.net, 2011

Fire Dynamics Calculations, International Association of Arson Investigators/CFITrainer.net, 2011

Introduction to Fire Dynamics and Modeling, International Association of Arson Investigators/CFITrainer.net, 2011

Post Blast Investigative Techniques I, Department of Justice Bureau of Alcohol, Tobacco, Firearms and Explosives, 2010

Vacant and Abandoned Buildings: Hazards and Solutions, International Association of Arson Investigators/CFITrainer.net, 2009

Post Flashover Fires, International Association of Arson Investigators/CFITrainer.net, 2009

Magne Tek: A Case Study in the Daubert Challenge, International Association of Arson Investigators/CFITrainer.net, 2009

A Ventilation-Focused Approach to the Impact of Building Structures and Systems on Fire Development, International Association of Arson Investigators/CFITrainer.net, 2009

Fire Service Course Design, Florida State Fire College, 2009

Incident Safety Officer, Jacksonville Fire Rescue Department, 2006

2005 National Advanced Fire, Arson, and Explosion Investigation Science and Technology Program, National Association of Fire Investigators, 2005

Fire Investigation: Origin and Cause, Florida State Fire College, 2002

Fire Service Course Delivery, Florida State Fire College, 2002

Incident Response to Terrorist Bombings, New Mexico Tech Energetic Materials Research and Training Center, 2001

Hazardous Materials Basic Concepts, Jacksonville Fire Rescue Training Center, 1995

Surviving Hazardous Materials Incidents, Jacksonville Fire Rescue Training Center, 1995

Education:

Master of Arts, Liberal Studies - Excelsior University (formerly Excelsior College), Albany, New York, 2010
Bachelor of Science, Liberal Arts, Excelsior University (formerly Excelsior College), Albany, New York, 2008
Associate of Applied Science, Fire Science and Technology, City College of Chicago, RAF Bentwaters, United Kingdom, 1987

Affiliations:

International Association of Fire Investigators (IAAI)
National Association of Fire Investigators (NAFI)

Courses Instructed/ Guest Lecturer:

Fire Scene Investigation 1.0
Fire Behavior for Insurance Adjusters/SIU with Live Burn
ARFF – Aircraft Rescue and Fire Fighting
Building Construction for the Fire Service
Fire Chemistry
Fire Behavior and Combustion Process
Fire Prevention Practices
Introduction to Fire Investigations
Construction Documents and Plan Review