



HAROLD W. HENRICH, IAAI-CFI(V), IAAI-ECT, CFEL, CVFI
3981 Miser Station Rd.
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865-405-8610
Fireinvestigator11@yahoo.com

Mr. Henrich, is a Certified Fire Investigator, Evidence Collection Technician and Motor Vehicle Fire Endorsement (IAAI-CFI (V), IAAI-ECT) with the International Association of Arson Investigators, a Certified Fire and Explosion Investigator (CFEI), and a Certified Vehicle Fire Investigator (CVFI) with the National Association of Fire Investigators. Mr. Henrich's area of expertise is specializing in origin and cause fire investigations for 20 years in both the public and private sectors, involving over 950 fire causations on commercial, residential structures, large losses, vehicles, and heavy construction equipment. I have served as an expert witness in the field of fire origin and cause in several depositions.

EDUCATION AND PROFESSIONAL ASSOCIATIONS

Columbia Southern University, Orange Beach, AL, B.S Fire Administration / Fire Investigation, 2018
Penn Foster, Automotive Repair Technician, 2016
Bendix Air Brake Systems, 2016
Certified Bosch CDR Tool Technician

Licenses:

Tennessee Private Investigator # 8262
Kentucky Private Investigator # 241225
Virginia Private Investigator # RE-1060821
North Carolina Private Investigator # 4950

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International Association of Arson Investigators

Certified Fire Investigator, 2014
Expert Witness Court Room Testimony, 2014
Evidence Collection Technician, 2016
Motor Vehicle Fire Endorsement, 2016

National Association of Fire Investigators

Certified Fire and Explosion Investigator (CFEI), 2010
Certified Vehicle Fire Investigator (CVFI), 2010

National Board on Fire Service Professional Qualification

Fire Investigator, NFPA 1033-2014, 2014HAROLD W. HENRICH, IAAI-CFI(V), IAAI-ECT, CFEI, CVFI

National Fire & Emergency Services Higher Education Program

Principles of Firefighter Safety and Survival, 2016
Fire Behavior and Combustion, 2016
Community Risk Reduction for Fire and Emergency Services, 2017
Fire Protection Structures and Systems, 2017
Personal Management for the Fire Service, 2017
Fire and Emergency Services Administration, 2017
Political and Legal Foundations in Fire Protection, 2017
Applications in Fire Research, 2017

North Carolina Fire and Rescue Commission

Certified Fire Investigator, 2005
Fire Inspector Level III, 2012
Fire Life Safety Educator III, 2009
Fire Instructor II, 2001
Fire Officer II, 2005
Firefighter II, 1994
Hazardous Materials Level I, 2000
Hazardous Materials, Personal Protective Equipment, 2011
Hazardous Materials, Technical Decontamination, 2011
Hazardous Materials, Air Monitoring & Sampling, 2012

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North Carolina / South Carolina IAAI

Electric Appliance Failure and Analysis, SCIAAI, 2022
NFPA 921 Updates, 2020
Report Writing, 2020
Arc Evaluation and Arc Mapping, 2020
Post Blast Investigation, 2020
Fire Investigative Approaches, 2017
Fire Investigative Approaches, 2016
Fire Investigative Approaches, 2015
Fire Investigative Approaches, 2014
Basic Fire Investigation, 2006
Investigation of Youth Set Fires, 2005
Fire Investigative Approaches, 2005
Advanced Investigative Approaches, 2004

Tennessee IAAI

TN IAAI ATC, 2024
TN IAAI ATC, 2023
TN IAAI ATC, 2022

Public Agency Training Council

Electrical Fire Investigation, 2014
Fire Pattern Certification, 2011
Arson Case Management, 2011
Fatality Fire Scene Investigation, 2011
Electrical Fire Investigation, 2010
Vehicle Fire Investigation, 2010
Fire Pattern Certification, 2007
Arson Scene Search, 2007

IAAI CFI Trainer

Fire Effects Part 1: Heat Effects on Fuels, CFITrainer.net/IAAI, 2023
Fire Effects Part 2: Combustion by Products Effects, CFITrainer.net/IAAI, 2023
Alternative Fuel Vehicles, CFITrainer.net/IAAI, 2023
The Potential Value of Electronic Evidence in Fire Investigations, CFITrainer.net/IAAI, 2023
Preventing Occupational Exposures at the Fire Scene, CFITrainer.net/IAAI, 2023
Site Safety Assessment, CFITrainer.net/IAAI 2023
NFPA 1033 & 921: 2022/2021 Updates, CFITrainer.net/IAAI, 2022
Lithium-Ion Battery Fires, CFITrainer.net/IAAI, 2022
Impact of Ventilation on Fire Patterns, UL Firefighter Safety Research Institute, 2022

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Alternative Fueled Vehicles, CFITrainer.net/ IAAI 2021
Lithium-ion Battery Fires, CFITrainer.net/ IAAI 2021
Electric and Hybrid Vehicle Fires, CFITrainer.net/IAAI 2021
2021 NFPA 921 Chapter 8 Active Fire Protection Systems, 2020
2021 NFPA 921 Chapters 4 & 5 Methodology & Science, 2020
2021 NFPA 921 Chapter 19 Physical Evidence, 2020
Emerging Technologies in Fire Investigations, 2020
Principles of Fire Investigation Multi-Program, 2019
Fire Investigation for Fire Officers Multi-Program, 2019
Explosion Dynamics, 2019
Fundamentals of Interviewing, 2019
Fire Flow Analysis, 2019
Charting Your Career Path in Fire Investigations, 2019
Critical Evaluation and Testing Commonly Reported Accidental Causes, 2019
Fire Chemistry, 2018
Thermometry, Heat and Heat Transfer, 2018 Fire Investigation for Fire Officers, 2018
Motive Means and Opportunity, 2018
Discovery in Civil Cases, 2018
Understanding Undetermined, 2018
Motor Vehicles: The Engine, Ignition, Electrical, 2017
Motor Vehicles: Transmission, Exhaust, Brakes, 2017
Discovery in Criminal Cases, 2017
Effective Investigation and Testimony, 2017
Ethics and social media, 2017
Introduction to Youth Set Fires, 2017
Legal Aspects of Youth Set Fires, 2017
Ethical Duties beyond the Fire Scene, 2017
What the Insurance Professionals Needs to Know About Fire Investigations, 2017
Investigating Natural Gas Systems, 2016
Residential Natural Gas Systems, 2016
Post Flashover Fires, 2016
Preparation for the Marine Fire Scene, 2016
Managing Complex Fire Scene Investigations, 2016
Insurance and the Fire Investigator, 2016
How first Responders Impact the Fire Investigation, 2016
Using Resources to Validate your Hypothesis, 2016
The Deposition Part 2, 2016
The Deposition Part 1, 2015
Basic Electricity, 2014
Ethics and the Fire Investigator, 2014
Process of Elimination, 2014
Residential Electrical Systems, 2014
Introduction to Fire Dynamics and Modeling, 2014
NFPA 10033 and Your Career, 2014

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Ventilation Focused Approach to the Impact of Building Structures and Systems on Fire, 2014
Writing the Initial Origin & Cause Report, 2014
Fire Protection Systems, 2014
NFPA 921 & NFPA 1033, 2014
DNA, 2014
An Analysis of the Station Nightclub Fire, 2010
Vacant & Abandoned Buildings, 2010
Wildland Fire Investigation, 2010
Evidence Examination, 2010
HAZWOPER Standard, 2010
Arc Mapping Basics, 2010
Electrical Safety, 2010
Introduction to Evidence, 2010
Physical Evidence at the fire Scene, 2010
Residential Building Construction, 2010
Documenting the Event, 2010
Fire Investigator Scene Safety, 2006
Investigating Motor Vehicle Fires, 2006
Digital Photography, 2005
Scientific Method for Fire & Explosion Investigation, 2005

Safety Unlimited

Asbestos Awareness
OSHA Hazwoper 40 hours

EMPLOYMENT HISTORY

2022 - 2025 EFI Global
2017 – 2022 Envista Forensics
2017 – 2022 NC OSFM
2016 – 2017 Rimkus Consulting Group, Inc.
2015 – 2016 Swansboro Fire Department
2014 – 2016 National Forensic Consultants
2009 -- 2014 Vance County Emergency Services
2005 – 2009 Johnston County Emergency Services
2005 – 2007 Clayton Fire Department
2003 – 2005 Newport Fire Department
1998 – 2002 Western Carteret Fire / EMS
1997 – 1999 Wildwood Fire Department
1995 – 1997 Camp Lejeune Fire Department
1993 – 1995 NC Forestry Service
2003 – 2005 US Navy
1992 – 1997 Rhodestown Fire Department

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1986 – 1990 Yulan Fire Department

DETAILED PROFESSIONAL EXPERIENCE:

EFI Global 2022-2025

Senior Fire Consultant

Responsible for investigating fire and explosion causation in commercial facilities, large losses, residential, structures, automobile, and heavy equipment. Investigated fires involving appliances and electrical devices; assess the potential liability and subrogation issues; collected, documented, and preserved evidence to ensure chain of custody; conducted interviews with witnesses, responding firefighters, state fire marshal agencies, and other pertinent third-party individuals and organizations. Prepares detailed, written investigative reports pertaining to the origin and cause of fire losses. Provided expert technical and scientific support to clients for subrogation and litigation purposes.

Envista Forensics 2017 – 2022

Senior Fire Consultant

Responsible for investigating fire and explosion causation in commercial facilities, large losses, residential, structures, automobile, and heavy equipment. Investigated fires involving appliances and electrical devices; assessed the potential liability and subrogation issues; collected, documented, and preserved evidence to ensure chain of custody; conducted interviews with witnesses, responding firefighters, state fire marshal agencies, and other pertinent third-party individuals and organizations. Prepares detailed, written investigative reports pertaining to the origin and cause of fire losses. Provided expert technical and scientific support to clients for subrogation and litigation purposes

North Carolina Office of the State Fire Marshal 2017-Present

Fire Investigation Technician Instructor

Instruct on different topics related to the Fire Investigator Technician Program.

RIMKUS CONSULTING GROUP, INC. 2016 – 2017

Fire Consultant

Responsible for investigating fire and explosion causation in commercial facilities, residential, structures, automobiles, marine vessels, and heavy equipment. Investigated fires involving appliances and electrical devices; assess the potential liability and subrogation issues; collected, documented, and preserved evidence to ensure the chain of custody; conducted interviews with witnesses, responding firefighters, state fire marshal agencies, and other pertinent third-party individuals and organizations. Prepares detailed, written investigative reports pertaining to the origin and cause of fire losses. Provided expert technical and scientific support to clients for subrogation and litigation purposes

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SWANSBORO FIRE DEPARTMENT 2015-2016

Fire Chief

Planning, organizing, and directing the activities of a combination Fire Department that provides Fire coverage for the Town of Swansboro and the surrounding rural area. Supervise 35 personnel, perform Administrative / Operational duties within the Department, perform Fire Prevention, Fire Inspections, and Fire Investigations within the Town Limits and assisted County Fire Marshal with Fire Investigations within the unincorporated Fire District.

NATIONAL FORENSIC CONSULTANTS 2014 – 2016

Sr. Consultant

Investigates losses and provides litigation support and expert witness testimony as a fire origin and cause expert. Scene examination/documentation, evidence collection, interviewing witnesses, and writing detailed reports. Provide testimony for the dispute resolution of such losses.

VANCE COUNTY EMERGENCY SERVICES 2009 – 2014

Director / Fire Marshal

Planning, organizing, and directing the activities of a career Fire Department that provides Fire / EMS coverage for the County of Vance. Supervise 50 personnel; perform Fire prevention and Fire Inspections. Lead Fire investigator within the County, determining fire origin and cause, performing scene examination/documentation, evidence collection, witness interviews, writing detailed reports, and court testimony.

VANCE GRANVILLE COMMUNITY COLLEGE 2010 – 2014

Fire / Rescue Instructor

Instruct Fire / Rescue-related courses

JOHNSTON COUNTY EMERGENCY SERVICES 2005 – 2009

Fire Marshal / Fire Investigator

Oversee the county-wide fire response system, emergency management duties, fire prevention, and fire inspections. Lead Fire investigator within the County, determining fire origin and cause, performing scene examination/documentation, evidence collection, witness interviews, writing detailed reports, and court testimony.

CLAYTON FIRE DEPARTMENT 2005 – 2007

Firefighter (Part Time)

Responds to fires and emergency calls, performing all related firefighting duties, operate fire apparatus, training, maintenance, and report writing.

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JOHNSTON COMMUNITY COLLEGE 2005 – 2009

Fire / Rescue Instructor
Instruct Fire / Rescue related courses

NEWPORT FIRE DEPARTMENT 2003 – 2005

Firefighter / Paramedic
Responds to fires and emergency calls, performing all related firefighting duties, perform patient care at Paramedic level, operate fire apparatus, train, maintain, and report writing.

WESTERN CARTERET FIRE / EMS 1998 – 2002

Fire Chief
Planning, organizing, and directing the activities of a combination Fire Department supervise 40 personnel, perform Administrative / Operational duties within the Department, perform Fire Prevented and assisted the County Fire Marshal with Fire Investigations within the Fire District.

WILDWOOD FIRE / RESCUE 1997 – 1999

Firefighter
Responds to fires and emergency calls, performing all related firefighting duties, operate fire apparatus, training, maintenance, and report writing.

CAMP LEJEUNE FIRE DEPARTMENT 1995 – 1997

Federal Firefighter
Responds to fires and emergency calls, performing all related firefighting duties, rescue, hazardous materials response, operate fire apparatus, training, maintenance, fire inspections, fire prevention, and report writing.

NC FOREST SERVICE 1993 – 1995

Wild-land Firefighter
Respond to wildland fires performing firefighting duties, operating fire apparatus, and training and report writing.

US NAVY 1989 – 1993

Hospital Corpsman/ Medical Laboratory Technician
Perform medical duties within a medical clinic or hospital setting. As a medical laboratory technician, perform routine medical tests utilizing specialized laboratory equipment, was assigned as Petty Officer in charge of the Lab during the night shift as a Blood Bank Specialist.

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RHODESTOWN FIRE DEPARTMENT 1992 – 1997

Volunteer Firefighter

Responds to fires and emergency calls, performing all related firefighting duties, operate fire apparatus, training, maintenance, and report writing.

YULAN FIRE DEPARTMENT 1986 -1990

Volunteer Firefighter

Responds to fires and emergency calls, performing all related firefighting duties, operate fire apparatus, training, maintenance, and report writing.

Affiliations

International Association of Arson Investigators (IAAI), Member since 2010

National Association of Fire Investigators (NAFI), Member since 2005

NC Chapter of International Association of Arson Investigators, Member since 2005

TN Chapter of the International Association of Arson Investigators, member since 2021

Court Qualifications / Depositions:

Origin and Cause Investigation, Defendant, Case/Docket # 17-CVS-013694 NC Farm Bureau vs Lilley International, May 2019

Origin and Cause Investigation, Plaintiff, Case/Docket # A1900210 The Procter & Gamble Company vs Excel Inc, November 2019

Origin and Cause Investigation, Plaintiff, Case/Docket # 19-CVS-5081 Auto Owners Insurance Company vs Essex, Sunbelt Rentals, Alex Lawrence, June 2020