

Paul Bucher | Fire Investigator, IAAI-CFI (V), CI

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Professional Summary:

Mr. Bucher has over 19 years in the fire service, 12 of which involved fire loss investigation in the public sector. During that time, Mr. Bucher has investigated over 300 fires associated with commercial, residential, industrial, and vehicular losses in both public and private sectors. His experience in various fire service disciplines includes suppression, code enforcement, confined space rescue, swift water rescue, trench rescue, other technical rescue disciplines, and fire service instruction. Having served in the public sector, Mr. Bucher has extensive experience working in conjunction and cooperation with other agencies, including local police, sheriff's office, ATF, and NYS Special Investigation Unit.

Mr. Bucher received his fire investigation training through New York State, becoming a Fire Investigator Level 1 and 2. He attended the National Fire Academy courses of Courtroom Interview and Testimony, Electrical Systems, and Forensic Evidence Collection.

Licenses and Certifications:

Certified Fire Investigator, International Association of Arson Investigators, 23-042068

Certified Fire Investigator, Vehicle Endorsement

Certified Fire Investigator, Certified Instructor

New York State Fire Investigator Level 1

New York State Fire Investigator Level 2

Principles of Investigation, International Association of Arson Investigators

Pro Board National Certification – Fire Investigator

Pro Board National Certification – Fire Inspector 1

Pro Board National Certification – Firefighter 1

Pro Board National Certification – Firefighter 2

Pro Board National Certification – Fire Officer 1

Pro Board National Certification – Fire Officer 2

Pro Board National Certification – Fire Service Instructor 1

Pro Board National Certification – Fire Service Instructor 2

Professional Experience:

EFI Global, Fire Investigator March 2020 – Present

Poughkeepsie Fire Department, Lieutenant 2005 – Present

Specialized Education:

Investigating and Pursuing Vehicle and Heavy Equipment Fires, NASP 2021

Motor Vehicle Fire Investigation – 3 Day, Maryland, Howard County Training Center, 2020

Incident Response to Terrorist Bombings, New Mexico Tech. 2018

Electrical Systems, National Fire Academy, 2018

Basic Fire Scene Photography Refresher, Dutchess County Sherriff's Office, 2018

Fire Dynamics and Ventilation Effects, Bureau of Alcohol Tobacco Firearms and Explosives, 2018

Interview and Testimony, National Fire Academy, 2017

Forensic Evidence Collection, National Fire Academy, 2017

Arc Mapping, Bureau of Alcohol Tobacco Firearms and Explosives, 2016

Fire Debris and Evidence Collection, Bureau of Alcohol Tobacco Firearms and Explosives, 2016

Fire/Arson Investigation, New York State OFPC, 2011

International Association of Arson Investigators CFI Trainer:

Ethical Duties Beyond the Fire Scene, 2021

Electric and Hybrid Vehicle Design Basics, 2021

Electric Hybrid and Vehicle Fires, 2021

Alternative Fuel Vehicles, 2021

Accreditation, Certification, and Certificates, 2021

Lithium-Ion Battery Fires, 2021

Photovoltaic Cells & Systems, 2021

Multi-Program Certificate Fire Investigation for Fire Officers – Concentration in Motor Vehicle Fires, 2020

Multi-Program Certificate Principles of Fire Investigation, 2020

Fire Investigation for Fire Officers, 2020

Knowledge One Motor Vehicle Fires Tier 1, 2020

Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems, 2020

Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems, 2020

Fire Flow Analysis, International Association of Arson Investigators, 2020

Fire Chemistry, International Association of Arson Investigators, 2020

Insurance and the Fire Investigation, International Association of Arson Investigators, 2020

Explosion Dynamics, International Association of Arson Investigators, 2020

How the First Responders Impact the Fire Investigation, International Association of Arson Investigators, 2020

Critical Evaluation and Testing of Commonly Reported Accidental Causes, International Association of Arson Investigators, 2019

Residential Electrical Systems, International Association of Arson Investigators, 2019

Residential Natural Gas Systems, International Association of Arson Investigators, 2019

Understanding Undetermined, International Association of Arson Investigators, 2019

Writing the Initial Origin and Cause Report, International Association of Arson Investigators, 2016

Using Resources to Validate your Hypothesis, International Association of Arson Investigators, 2016

Wildland Fire Investigations, International Association of Arson Investigators, 2016

Vacant and Abandoned Buildings: Hazards and Solutions, International Association of Arson Investigators, 2016

Understanding Fire Through the Candle Experiments, International Association of Arson Investigators, 2016

The Scientific Method for Fire and Explosion Investigation, International Association of Arson Investigators, 2016

The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, International Association of Arson Investigators, 2016

The Potential Value of Electronic Evidence in Fire Investigations, International Association of Arson Investigators, 2016

The HAZWOPER Standard, International Association of Arson Investigators, 2016

Search and Seizure, International Association of Arson Investigators, 2016

Preparation for the Marine Fire Scene, International Association of Arson Investigators, 2016

Post-flashover Fires, International Association of Arson Investigators, 2016

Physical Evidence at the Fire Scene, International Association of Arson Investigators, 2016

NFPA 1033 and Your Career, International Association of Arson Investigators, 2016

Motive, Means, and Opportunity: Determining Responsibility in an Arson Case, International Association of Arson Investigators, 2016

MagneTek: A Case Study in The Daubert Challenge, International Association of Arson Investigators, 2016

Investigating Motor Vehicle Fires, International Association of Arson Investigators, 2016

Investigating Fatal Fires, International Association of Arson Investigators, 2016

Introduction to Fire Dynamics and Modeling, International Association of Arson Investigators, 2016

Introduction to Evidence, International Association of Arson Investigators, 2016

Fundamentals of Interviewing, International Association of Arson Investigators, 2016

Fundamentals of Residential Building Construction, International Association of Arson Investigators, 2016

Fire Investigator Scene Safety, International Association of Arson Investigators, 2016

Evidence Examination: What Happens at the Lab? International Association of Arson Investigators, 2016

Ethics and the Fire Investigator, International Association of Arson Investigators, 2016

Electrical Safety, International Association of Arson Investigators, 2016

Effective Investigation and Testimony, International Association of Arson Investigators, 2016

Documenting the Event, International Association of Arson Investigators, 2016

DNA, International Association of Arson Investigators, 2016

Digital Photography and the Fire Investigator, International Association of Arson Investigators, 2016

Critical Thinking Solves Cases, International Association of Arson Investigators, 2016

Basic Electricity, International Association of Arson Investigators, 2016

Arc Mapping Basics, International Association of Arson Investigators, 2016

Education:

Bachelor's Degree, Public Affairs: Fire Service Administration, SUNY Empire State College, Saratoga Springs, New York

Affiliations:

Member – International Association of Arson Investigators

Member – New York Chapter of International Association of Arson Investigators

Courses Instructed/ Guest Lecturer:

Mental Health and Wellbeing: A Personal Account, Maryland State Fire Chiefs' Convention, Ocean City Maryland, 2018

Honors and Awards:

Meritorious Service Award, Poughkeepsie Fire Department 2021

40 Under 40 Recipient, Dutchess County Regional Chamber of Commerce, 2020

Valedictorian, FDNY First Line Supervisors' Program, 2019

Unit Citation, Poughkeepsie Fire Department, 2019

Life Saving Award, Poughkeepsie Fire Department, 2018

Life Saving Award, Poughkeepsie Fire Department, 2018

Unit Citation, Poughkeepsie Fire Department, 2018



Life Saving Award, Poughkeepsie Fire Department, 2016

Life Saving Award, New Hackensack Fire District, 2013

Life Saving Award, Poughkeepsie Fire Department, 2013

Unit Citation, Poughkeepsie Fire Department, 2013

Life Saving Award, Poughkeepsie Fire Department, 2007

Life Saving Award, Town of Wappinger, 2005