

Ethan J. Verduin | Fire Investigator/Northwest District, IAAI-CFI, CFEI

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Professional Summary:

Mr. Verduin has more than 20 years of experience in the fire service to including: suppression, fire investigation, technical rescue, urban search and rescue, and paramedicine. He currently works full time with the Spokane Fire Department as a Fire Lieutenant and Fire Investigator. He has worked as an electrician conducting design and installation in commercial, industrial, and residential occupancies. He has experience evaluating origin and cause, scene analysis, technical writing, evidence collection, site documentation, field testing, and multiagency coordination. Mr. Verduin has experience working closely with the ATF, law enforcement, and prosecutors. He has investigated over 250 fire and explosion scenes.

- Fire Origin and Cause
- Vehicle Origin and Cause

Licenses and Certifications:

Certified Investigator, International Association of Arson Investigators, # 21-050749

Certified Fire and Explosion Investigator, National Association of Fire Investigators, # 20515-11694

Licensed Unarmed Private Investigator, Washington State, # 5050

Licensed Unarmed Private Investigator, Montana State, # 35066

Project Experience:

Spokane Fire Department, Spokane, WA Multi-Agency Fire Investigation

Fire investigator in a task force involving multiple agencies investigating a serial arsonist who caused fire to multiple commercial and residential occupancies. Investigation resulted in an arrest and successful prosecution.

ATF, Stevens County, WA Multi-Agency Fire Investigation

Fire investigator in a task force involving multiple agencies to include the ATF and Stevens County Sheriff's Detectives. The investigation pertained to a murder and simultaneous fire of a single-family residence.

Professional Experience:

EFI Global, Inc. (Lakewood, WA), Fire Investigator, 2020 – Present

Spokane Fire Department (Spokane, WA), Fire Lieutenant, 2015 – Present
Spokane Fire Department (Spokane, WA), Lieutenant Fire Investigator, 2014 – Present
Spokane Fire Department (Spokane, WA), Paramedic/Firefighter, 2002 – 2014
Verduin Electric, LLC (Spokane, WA), Electrician Trainee, 2004 – 2014
Wackenhut Corporation (Iraq), Combat Firefighter, 2005
Pikes Peak National Forest (Monument, CO), Helitack Firefighter, 2001
Spokane County Fire District 9 (Mead, WA), Resident Firefighter, 1999 – 2002

Specialized Education:

Fire Chemistry, IAAI/CFITrainer.net, 2020
The Hazwoper Standard, IAAI/CFITrainer.net, 2020
Introduction to Appliances, IAAI/CFITrainer.net, 2020
Motor Vehicles Part 2, IAAI/CFITrainer.net, 2020
Fire Flow Analysis, IAAI/CFITrainer.net, 2019
Critical Evaluation and Testing of Commonly Reported Accidental Causes, IAAI/CFITrainer.net, 2019

Interview and Testimony, National Fire Academy, 2019
Enclosure Fire Dynamics, ATF Fire Research Laboratory/NIST & ATF, 2019
Charting Your Career Path in Fire Investigation, IAAI/CFITrainer.net, 2019
Understanding the Fire Investigators Job: A Guide for Non-Investigators, IAAI/CFITrainer.net, 2018
Residential Electrical Systems, IAAI/CFITrainer.net, 2018
MagneTek: A Case Study in the Daubert Challenge, IAAI/CFITrainer.net, 2018
Advanced Fire Investigation Topics, IAAI/WA Chapter, 2018
Discovery in Civil Cases, IAAI/CFITrainer, 2018
Fire Dynamics Boot Camp, NIST & UL/Madrzykowski & Kerber, 2018
Discovery in Criminal Cases, IAAI/CFITrainer.net, 2018
NFPA 1033 and Your Career, IAAI/CFITrainer.net, 2017
Forensic Digital Photography, Nikon/Taniwaki, 2017
Fire Investigation: Electrical Systems, National Fire Academy/ATF, 2017
Wildland Fire Investigation, IAAI/CFITrainer.net, 2017
Motor Vehicles: The Engine and Ignition, Electrical, and Fuel Systems, IAAI/CFITrainer.net, 2017
Insurance and the Fire Investigation, IAAI/CFITrainer.net, 2017
Digital Photography and the Fire Investigator, IAAI/CFITrainer.net, 2017
IAAI International Training Conference, Multiple Presenters, 2017
Fire Debris Physical Evidence, Washington State Patrol, 2017
Process of Elimination, IAAI/CFITrainer.net, 2017
Thermometry, Heat, and Heat Transfer, IAAI/CFITrainer.net, 2017
Fire and Explosion Scene Documentation, IAAI WA Chapter Conference, 2016
DNA, IAAI/CFITrainer.net, 2016
Critical Thinking Solves Cases, IAAI/CFITrainer.net, 2016
Post Flashover Fires, IAAI/CFITrainer.net, 2016
Electrical Safety, IAAI/CFITrainer.net, 2016
Legal Aspects of Investigating Youth-Set Fires, IAAI/CFITrainer.net, 2016
Using Resources to Validate your Hypothesis, IAAI/CFITrainer.net, 2016
Search and Seizure, IAAI/CFITrainer.net, 2016
Motive, Means and Opportunity: Determining Responsibility in an Arson Case, IAAI/CFITrainer.net

2016

Basic Electricity, IAAI/CFITrainer.net, 2016

Fire Arson Origin and Cause Investigations, National Fire Academy/ATF, 2015

NFPA 921 and 1033 2014 Editions: Important Revisions, IAAI/CFITrainer.net, 2015

Charleston Sofa Super Store Fire, IAAI/CFITrainer.net, 2015

Arc Mapping Basics, IAAI/CFITrainer.net, 2015

Incident Response to Terrorist Bombings, New Mexico Tech/EMRTC, 2015

The Potential Value of Electronic Evidence in Fire Investigations, IAAI/CFITrainer.net, 2015

Basic Fire Investigation, IAAI/WA Chapter Conference, 2015

Investigation of Gas and Electric Appliance Fires, Fire Findings, 2015

Ethics and the Fire Investigator, IAAI/CFITrainer.net, 2015

Fundamentals of Interviewing, IAAI/CFITrainer.net, 2015

Writing the Initial Origin and Cause Report, IAAI/CFITrainer.net, 2015

The Practical Application of the Relationship between NFPA 1033 and NFPA 921, IAAI/CFITrainer.net, 2015

The Impact of Ventilation in Building Structures on Fire Development, IAAI/CFITrainer.net, 2015

Special Commission Fire Investigator, Spokane Police Department, 2014

The Reid Technique of Interviewing and Interrogation, John E. Reid and Associates, 2014

Fire Protection Systems, IAAI/CFITrainer.net, 2014

Introduction to Fire Dynamics and Modeling, IAAI/CFITrainer.net, 2014

The Scientific Method for Fire and Explosion Investigations, IAAI/CFITrainer.net, 2014

Fundamentals of Residential Building Construction, IAAI/CFITrainer.net, 2014

Physical Evidence at the Fire Scenes, IAAI/CFITrainer.net, 2014

Introduction to Evidence, IAAI/CFITrainer.net, 2014

Documenting the Event, IAAI/CFITrainer.net, 2014

Investigating Fatal Fires, IAAI/CFITrainer.net, 2014

NFPA 1033 and Your Career, IAAI/CFITrainer.net, 2014

Education:

Associate of Applied Science, Fire Science Technology, Spokane Community College, Spokane, WA, 2002

Certified Paramedic, Health and Science, Spokane Community College, Spokane, WA, 2011

Affiliations:

International Association of Arson Investigators (IAAI)

International Association of Fire Fighters (IAFF)

National Association of Fire Investigators

International Association of Fire Investigators, WA State Chapter #21

Courses Instructed/ Guest Lecturer:

Guest Lecturer, Basic Electricity/40 Hour Basic Class, Spokane County Fire District #10, 2019