

Employment History

Romualdi, Davidson, & Associates, 2014-Present

Responsible for conducting origin and cause fire and explosion investigations that include the gathering of evidence, scene documentation, interviewing of involved parties, preparing detailed expert reports, testifying as an expert witness.

Fire Solutions LLC., 2013-2014

Owner/Investigator

Responsible for conducting origin and cause investigations into residential structure fires that include the gathering of evidence, scene documentation, interviewing of involved parties, preparing detailed expert reports, testifying as an expert witness.

Pennsylvania State Police, 1993-2013(Retired)

2007-2013

Deputy Fire Marshall, Troop A, Indiana & Ebensburg Stations

I obtained the full time Deputy Fire Marshal position and continued my duties. During this time my training and education continued until I earned the title of "Certified Fire Investigator" through the International Association of Arson Investigators. I became involved with the Pennsylvania Association of Arson Investigators and subsequently served two terms on the board of directors and was responsible for coordinating the annual training seminar.

2003-2007

Alternate Deputy Fire Marshal

During my tenure in the Criminal Investigation Unit I assumed additional duties as the Alternate Fire Marshal and was assigned these duties at the Ebensburg and Indiana Stations. I was responsible for responding to request for origin and cause related investigations that occurred in Indiana and Cambria counties. These duties included residential structures, commercial buildings, vehicle fires and fatal fires.

2002-2007

Criminal Investigator, Troop A, Somerset & Indiana Stations

Responsible for conducting criminal investigations, background investigations, gathering all types evidence, prepared detailed reports, effecting arrests and prosecuting persons at the state and federal court systems.

1993-2002

Patrol Unit, Troop A, Indiana Station

Responsible for performing traffic related duties, accident investigations, speed enforcement, responding to emergencies and requests for assistance, maintaining public order.

Pennsylvania State Police Academy, March-August 1993

90th Cadet Class, a 27-week course of instruction that included Pennsylvania traffic and criminal statutes, pursuit driving, accident investigation, criminal investigation, first aid, CPR, general police knowledge and skills, interviewing, self-defense and effecting arrests.

Babcock & Wilcox, July 1991-August 1992

Decommissioned uranium fuels fabrication plant. Duties included the removal of the building, performing various test to include ground water monitoring, soil sampling and decontamination activities.

United States Marine Corp, February 1986-May 1991

Assigned to 6th Marine Regiment/2nd Marine Division

Obtained the rank of Corporal, responsible for leading subordinate Marines in an infantry unit in Operation Just Cause in Panama and Operation Desert Storm in Kuwait.

Professional Development

Arson Detection and Fire Investigation, May 2003

PA State Fire Academy

NFPA 1033 Section 1.3.8 (1)

Fire Science (1)

Fire Chemistry

Fire and Arson Investigation - Electrical I, September 2004

PA State Fire Academy

NFPA 1033 Section 1.3.8

Fire Invst. Technology (11)

Respiratory Protection for PA State Police, March 2006

Hazardous Materials First Responder - Operations, May 2006

Indiana County Fire Academy, Indian County, PA

NFPA 1033 Section 1.3.8

Hazardous Materials (12)

PAAI Annual Seminar - Arson Investigation, June 2006

NFPA 1033 Section 1.3.8

Fire Investigation (8)

Fire/Arson Investigation, August 2006

National Fire Academy, Emmitsburg, MD

NFPA 1033 Section 1.3.8

Fire Science (1)

Building Construction: Non-Combustible and Fire Resistive, September 2006

PA State Fire Academy

NFPA 1033 Section 1.3.8

Fire Investigation (8)

Building Construction: Wood and Ordinary, October 2006

PA State Fire Academy

NFPA 1033 Section 1.3.8

Fire Investigation (8)

Concepts of Fire Dynamics, December 2006

PA State Police
NFPA 1033 Section 1.3.8
Fire Dynamics (5)

PAAI Annual Seminar - Fire/Arson Investigation, June 2007

NFPA 1033 Section 1.3.8
Fire Investigation (8)

Arc Mapping, November 2007

Presented By PAAI
NFPA 1033 Section 1.3.8
Fire Invest. Technology (11)

Introduction to Evidence, December 2007

Presented By CFI Trainer.Net By IAAI
NFPA 1033 Section 1.3.8
Fire Invest. Methodology

Documenting the Event, March 2008

Presented By CFI Trainer.Net By IAAI
NFPA 1003 Section 1.3.8
Fire Invest. Methodology (10)

PAAI Annual Seminar - Fire/Arson Investigation, June 2008

NFPA 1033 Section 1.3.8
Fire Investigation (8)

Vacant and Abandoned Buildings: Hazards and Solutions, September 2008

Presented By CFI Trainer.NET By IAAI
NFPA 1003 Section 1.3.8
Fire Invest. Methodology (10)

Investigating Fatal Fires, September 2008

Presented By CFI Trainer.Net By IAAI
NFPA 1033 Section 1.3.8
Fire Investigation (8)

A Ventilation-Focused Approach to the Impact of Building Structures and Systems on Fire Development,
November 2008

Presented By CFI Trainer.Net By IAAI
NFPA 1033 Section 1.3.8
Fire Dynamics (5)

Fire and Explosion Investigations: Utilizing NFPA 1003 and 921, December 2008

Presented By CFI Trainer.Net By IAAI

Post Flashover Fires, December 2008

Presented by CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Dynamics (5)

Insurance and the Fire Investigator, February 2009

Presented By CFI Trainer.Net By IAAI

Managing Complex Fire Scene Investigations, April 2009

Presented by CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Investigation (8)

Fire Invst. Methodology (10)

Physical Evidence at the Fire Scene, April 2009

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Methodology (10)

PAAI Annual Seminar - Fire/Arson Investigation, June 2009

NFPA 1033 Section 1.3.8

Fire Investigation (8)

Investigating Motor Vehicle Fires, June 2009

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Investigation (8)

The Scientific Method for Fire and Explosions, June 2009

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Methodology (10)

Ethics and the Fire Investigator, June 2009

Presented By CFI Trainer.Net By IAAI

Understanding Fire through the Candle Experiment, July 2009

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Chemistry (2)

Arc Mapping Basic, July 2009

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Technology (11)

Effective Investigation and Testimony, September 2009

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Methodology (10)

Digital Photography and the Fire Investigators, September 2009

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Technology (11)

Instructor for IAAI West Virginia Chapter Fall Seminar - Hero to Zero - Fire Fighter Arsonist, November 2009

Modern Fire Investigation Techniques, November 2009

By the West Virginia Chapter of the International Association of Arson Investigators (IAAI)

NFPA 1033 Section 1.3.8

Fire Investigation (8)

“Jack Christmas” Arson Seminar, January 2010

Presented by PAAI

NFPA 1033 Section 1.3.8

Fire Investigation (8)

Evidence Examination, What Happens at the Lab, February 2010

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Technology (11)

The Hazwoper Standard, April 2010

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Hazardous Materials (12)

Fundamentals of Residential Building Construction, June 2010

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Investigation (8)

PAAI Annual Seminar, June 2010

Vehicle Fire Investigation

NFPA 1033 Section 1.3.8

Fire Investigation (8)

Motive, Means and Opportunity: Determining Responsibility in an Arson Case, August 2010

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Analysis (9)

Electrical Safety, November 2010

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Methodology (10)

Fundamentals of Interviewing, November 2010

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Methodology (10)

Well Control Incident Management: Effective Strategies & Tactics For Municipal Responders, November 2010

By Mike Wolford, Incident Management Specialist Wild Well Control

Explosion Dynamics, January 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Explosion Dynamics (6)

Appliance Related Fire Investigations “Jack Christmas” Weekend, January 2011

Presented by PAAI

NFPA 1033 Section 1.3.8

Fire Investigation (8)

Search and Seizure, March 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Methodology (10)

How First Responders Impact Fire Investigation, April 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Methodology (10)

An Analysis of the Station Night Club Fire, April 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Computer Fire Modeling (7)

Critical Thinking Solves Cases, April 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Analysis (9)

DNA, April 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Technology (11)

Fire Investigator Scene Safety, April 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Methodology (10)

Post Blast Investigations, May 2011

Presented By U.S. Department of Justice Federal Bureau of Investigation (FBI)

NFPA 1033 Section 1.3.8

Explosion Dynamics (6)

PAAI Annual Seminar - From the Fire Scene to the Court Room, June 2011

NFPA 1033 Section 1.3.8

Fire Investigation (8)

The Fire Investigator & The 2011 NFPA 921 Changes, June 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Methodology (10)

Fire Protection Systems, July 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Methodology (10)

Magna Tek: A Case Study in the Daubert Challenge, September 2011

Presented By CFI Trainer.Net By IAAI

Introduction to Fire Dynamics and Modeling, October 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Dynamics (5)

Computer Fire Modeling (7)

Charleston Super Sofa Store Fire, October 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Computer Fire Modeling (7)

The Potential Value of Electronic Evidence in Fire Investigations, October 2011

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Technology (11)

Gas & Oil Fire Furnaces - Failure to Fire “Jack Christmas” Weekend, January 2012

NFPA 1033 Section 1.3.8

Fire Investigation (8)

Writing the Initial Origin and Cause Report, March 2012

Presented By CFI Trainer.Net By IAAI

NFPA 1033 Section 1.3.8

Fire Invst. Methodology (11)

PAAI Annual Seminar - Current Trend and Techniques, June 2012

NFPA 1033 Section 1.3.8

Fire Investigation (8)

Using Resources to Validate Your Hypothesis, August 2012

Presented By CFI Trainer.Net BY IAAI

NFPA 1033 and Your Career, September 2011

Presented By CFI Trainer.Net By IAAI

Explosion Investigations / Investigating CSST Fires “Jack Christmas” Weekend, January 2013

Presented By PAAI

Residential Electricity for Fire Investigators, May 2013

Presented By Fire Findings Laboratories

Ethics & Social Media, August 2013

Presented By CFI Trainer.Net By IAAI

Basic Electricity, August 2013

Presented By CFI Trainer.Net By IAAI

Residential Electrical Systems, April 2014

Presented By CFI Trainer.Net By IAAI

Process of Elimination, October 2014

Presented By CFI Trainer.Net By IAAI

Basic Electricity, Utility Systems and Electrical Failures, November 2015

Presented By Bert Davis, Ph.D., Rich Wunderly, PE Robert Kimmick, PE

Origin Fire Patterns Persistence in Post Flashover Fires, Fire Dynamics Fundamentals, Behavior of Natural Gas in Fire & Explosions, “Jack Christmas” Weekend, January 2016

Presented By PAAI

Radiation Safety Training, Nuclear Education Online, February 2016

University of New Mexico

Investigation of Gas and Electrical Appliance Fires, April 2016

Presented By Fire Findings Laboratories

Managing Major Case Fires, Arc Mapping & Clandestine Lab Response, PAAI “Jack Christmas” Training, January 2017



Timothy D. Frew

IAAI-CFI

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Professional Affiliations

PAAI - Pennsylvania Association of Arson Investigators, 2004 - Present

PAAI Board of Directors - First Term, June 2008 - June 2010

PAAI Board of Directors - Second Term, June 2010 - June 2012

Chairman, PAAI Annual Seminar Committee, June 2010 - June 2012

International Association of Arson Investigators, 2007 - Present