

Curriculum Vitae

EMPLOYMENT HISTORY

11/2014 – Present

Romualdi Davidson & Associates

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.

01/2013 to 10/2014

Fire Solutions LLC. 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.

02/2007 to 01/2013 (Retired)

Pennsylvania State Police, 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.

05/2003 to 01/2007

Pennsylvania State Police - 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.

11/2002 to 02/2007

Pennsylvania State Police – Criminal Investigator Troop A, Somerset Station, Indiana Station

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.

08/1993 to 11/2002

Pennsylvania State Police – 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.

03/1993 to 08/1993

Pennsylvania State Police Academy - Hershey PA.

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.

07/1991 to 08/1992

Babcock & Wilcox, Warren Ave, Apollo PA.

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.

02/1986 to 05/1991

United States Marine Corp - 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.

SUMMARY OF QUALIFICATIONS

Total Fires Investigated to Date:	01/01/2019: 1219
Total Continuing Educational Hours:	07/01/2019: 773

EARNED CERTIFICATIONS

Recognized as Fire Investigator I by the Office of the State Fire Commissioner Certificate No. 230	10/20/06
Recognized as Fire Investigator 1 by the National Board on Fire Professional Qualifications NFPA 1033 – 2003 Certificate No. 236411 (Pennsylvania Fire Commission)	10/20/06 08/08/16
Recognized as a Fire Investigative Technician By the International Association of Arson Investigators (IAAI - FIT)	10/14/09
Recognized as a Certified Fire Investigator By the International Association of Arson Investigators (IAAI - CFI) Certificate No. 29-080810	08/08/11 08/08/16
Recognized as a Fire Investigator by the National Board on Fire Professional Qualifications NFPA 1033 – 2009 Certificate No. 298681 (IAAI – CFI)	08/08/11

TESTIMONY

Expert Witness Testimony – Jury Trial Commonwealth VS. Wheeler Indiana County Fire Investigation A03-1524145	05/2008
Expert Witness Testimony – Preliminary Hearing Commonwealth VS. GAUDETT DOCKET NO. CR-286-08 Fire Investigation A03-1556440	07/2008
Expert Witness Testimony – Jury Trial Commonwealth VS. ADAMS Cambria County PA. Fire Investigation A02-1572314	09/2008
Expert Witness Testimony – Jury Trial Commonwealth VS. MACK Cambria County Fire Investigation A02-1633608	07/2009
Civil Deposition – No.:2007-4828 State Farm Ins. Co. VS. Russell KOSINKO Fire Investigation A02-1455182	09/2009
Grand Jury Testimony – PA Western District US VS. William RUSSELL Fire Investigation A03-1646299	01/05/10
Civil Deposition – No.:2008-10969 Emma M. SACHARCZYK VS. Joseph D. GAUDETT, Matthew GAUDETT and Pennsylvania Electric Company Fire Investigation A03-1556440	06/2011
Expert Witness Testimony Preliminary Hearing Commonwealth VS. MCNEIL Fire Investigation A02-1738898	09/2011
Expert Witness Testimony Preliminary Hearing Docket No. MJ-47303-2012 Commonwealth VS. John SAPARO Fire Investigation A02-1735056	06/2012
Expert Witness Testimony Preliminary Hearing Docket No. MJ-484-2012 Commonwealth VS. Lewis Paul BEATTY Fire Investigation A03-1777843 & A03-1778406	08/2012
Expert Witness Testimony – Jury Trial Commonwealth VS. Juanita McNeal Docket No. CP-11CR-0001801-2011	04/2014
Civil Deposition – No.:AR-15-003729 Donegal Mutual, Insurance Company VS. Sam Firman, Vandestry Service, INC. and Joshua Skrip	01/2017

Civil Arbitration – Allegheny County
Philadelphia Indemnity Insurance Company a/s/o
The Mews of Town North VS. Charles Lazar
Docket No. AR-18-000448

09/2018

PROFESSIONAL DEVELOPMENT

NFPA 1033 Section 1.3.7 (1) Fire Science (1) Fire Chemistry (2) Fire Investigation (8)	Arson Detection and Fire Investigation PA State Fire Academy	05/2003
NFPA 1033 Section 1.3.7 Electricity & Electrical Systems (16)	Fire and Arson Investigation – Electrical I PA State Fire Academy	09/2004
	Respiratory Protection for PA State Police	03/2006
NFPA 1033 Section 1.3.7 Hazardous Materials (12)	Hazardous Materials First Responder - Operations Indiana County Fire Academy Indiana County, PA.	05/2006
NFPA 1033 Section 1.3.7 Fire Investigation (8)	PAAI Annual Seminar Arson Investigation	06/2006
NFPA 1033 Section 1.3.7 Fire Science (1) Fire Chemistry (2) Fire Investigation (8) Fire Analysis (9) Fire Investigation Methodology (10)	Fire/Arson Investigation National Fire Academy Emmitsburg, MD.	08/2006
NFPA 1033 Section 1.3.7 Fire Investigation (8)	Building Construction: Non-Combustible and Fire Resistive PA State Fire Academy	09/2006
NFPA 1033 Section 1.3.7 Fire Investigation (8)	Building Construction: Wood and Ordinary PA State Fire Academy	10/20/06
NFPA 1033 Section 1.3.7 Fire Dynamics (5)	Concepts of Fire Dynamics PA State Police	12/2006
NFPA 1033 Section 1.3.7 Fire Investigation (8)	PAAI Annual Seminar Fire/Arson Investigation	06/2007
NFPA 1033 Section 1.3.7 Fire Invest. Technology (11)	Arc Mapping Presented By PAAI	11/2007
NFPA 1033 Section 1.3.7 Evidence Documentation, Collection and Preservation. (15)	Introduction to Evidence Presented By CFI Trainer.Net By IAAI	12/2007
NFPA 1033 Section 1.3.7 Fire Invest. Methodology (10)	Documenting the Event Presented By CFI Trainer.Net By IAAI	03/2008
NFPA 1033 Section 1.3.7 Fire Investigation (8)	PAAI Annual Seminar Fire/Arson Investigation	06/2008
NFPA 1033 Section 1.3.7 Fire Invest. Methodology (10)	Vacant and Abandoned Buildings: Hazards and Solutions Presented By CFI Trainer.Net By IAAI	09/2008

NFPA 1033 Section 1.3.7 Fire Investigation (8)	Investigating Fatal Fires Presented By CFI Trainer.Net By IAAI	09/2008
NFPA 1033 Section 1.3.7 Fire Dynamics (5)	A Ventilation-Focused Approach to the Impact of Building Structures and Systems on Fire Development Presented by CFI Trainer.Net By IAAI	11/2008
NFPA 1033 Section 1.3.7 Explosion Dynamics (6)	Fire and Explosion Investigations: Utilizing NFPA 1003 and 921 Presented by CFI Trainer.Net By IAAI	12/2008
NFPA 1033 Section 1.3.7 Fire Dynamics (5)	Post Flashover Fires Presented by CFI Trainer.Net By IAAI	12/2008
	Insurance and the Fire Investigator Presented by CFI Trainer.Net By IAAI	02/2009
NFPA 1033 Section 1.3.7 Fire Investigation (8) Fire Invst. Methodology (10)	Managing Complex Fire Scene Investigations Presented by CFI Trainer.Net By IAAI	04/2009
NFPA 1033 Section 1.3.7 Evidence Documentation, Collection and Preservation. (15)	Physical Evidence at the Fire Scene Presented By CFI Trainer.Net By IAAI	04/2009
NFPA 1033 Section 1.3.7 Fire Investigation (8)	PAAI Annual Seminar Fire/Arson Investigation	06/2009
	Investigating Motor Vehicle Fires Presented by CFI Trainer.Net By IAAI	06/2009
NFPA 1033 Section 1.3.7 Fire Invst. Methodology (10)	The Scientific Method for Fire and Explosions Presented by CFI Trainer.Net By IAAI	06/2009
	Ethics and the Fire Investigator Presented by CFI Trainer.Net By IAAI	06/2009
NFPA 1033 Section 1.3.7 Fire Chemistry (2)	Understanding Fire through the Candle Experiment Presented by CFI Trainer.Net By IAAI	07/2009
NFPA 1033 Section 1.3.7 Fire Invst. Methodology (10)	ARC Mapping Basic Presented by CFI Trainer.Net By IAAI	07/2009

NFPA 1033 Section 1.3.7 Fire Invest. Methodology (10)	Effective Investigation and Testimony Presented by CFI Trainer.Net By IAAI	09/2009
NFPA 1033 Section 1.3.7 Fire Invest. Technology (11)	Digital Photography and the Fire Investigators Presented by CFI Trainer.Net By IAAI	09/2009
NFPA 1033 Section 1.3.7 Fire Invest. Technology (11)	Modern Fire Investigation Techniques Presented by West Virginia Chapter For IAAI	11/03/09
	Instructor for IAAI West Virginia Chapter Fall Seminar – Hero to Zero - Fire Fighter Arsonist	11/03/09
NFPA 1033 Section 1.3.7 Fire Investigation (8)	Modern Fire Investigation Techniques By the West Virginia Chapter of the International Association of Arson Investigators (IAAI)	11/03/09
NFPA 1033 Section 1.3.7 Fire Investigation (8)	“Jack Christmas” Arson Seminar Presented by PAAI	01/2010
NFPA 1033 Section 1.3.7 Fire Invest. Technology (11)	Evidence Examination, What Happens at the Lab Presented by CFI Trainer.Net By IAAI	02/2010
NFPA 1033 Section 1.3.7 Hazardous Materials (12)	The Hazwoper Standard Presented by CFI Trainer.Net By IAAI	04/2010
NFPA 1033 Section 1.3.7 Fire Investigation (8)	Fundamentals of Residential Building Construction Presented by CFI Trainer.Net By IAAI	06/2010
NFPA 1033 Section 1.3.7 Fire Investigation (8)	PAAI Annual Seminar Vehicle Fire Investigation	06/2010
	Motive Means and Opportunity: Determining Responsibility in an Arson Case Presented by CFI Trainer.Net By IAAI	08/2010
NFPA 1033 Section 1.3.7 Electricity & Electrical Systems(16)	Electrical Safety Presented by CFI Trainer.Net By IAAI	11/2010
NFPA 1033 Section 1.3.7 Fire Invest. Methodology (10)	Fundamentals of Interviewing Presented by CFI Trainer.Net By IAAI	11/2010
	Well Control Incident Management: Effective Strategies & Tactics For Municipal Responders By Mike Wolford, Incident Management Specialist Wild Well Control	11/2010
NFPA 1033 Section 1.3.7 Explosion Dynamics (6)	Explosion Dynamics Presented by CFI Trainer.Net By IAAI	01/2011

NFPA 1033 Section 1.3.7 Fire Investigation (8)	Appliance Related Fire Investigations “Jack Christmas” Weekend Presented by PAAI	01/2011
NFPA 1033 Section 1.3.7 Fire Invst. Methodology (10)	Search and Seizure Presented by CFI Trainer.Net By IAAI	03/2011
	How First Responders Impact Fire Investigation Presented by CFI Trainer.Net By IAAI	04/2011
NFPA 1033 Section 1.3.7 Computer Fire Modeling (7)	An Analysis of the Station Night Club Fire Presented by CFI Trainer.Net By IAAI	04/2011
NFPA 1033 Section 1.3.7 Fire Analysis (9)	Critical Thinking Solves Cases Presented by CFI Trainer.Net By IAAI	04/2011
NFPA 1033 Section 1.3.7 Fire Invst. Technology (11)	DNA Presented by CFI Trainer.Net By IAAI	04/2011
NFPA 1033 Section 1.3.7 Fire Invst. Methodology (10)	Fire Investigator Scene Safety Presented by CFI Trainer.Net By IAAI	04/2011
NFPA 1033 Section 1.3.7 Explosion Dynamics (6)	Post Blast Investigations Presented By U.S. Department of Justice Federal Bureau of Investigation (FBI)	05/2011
NFPA 1033 Section 1.3.7 Fire Investigation (8)	PAAI Annual Seminar From the Fire Scene to the Court Room.	06/2011
NFPA 1033 Section 1.3.7 Fire Invst. Methodology (10)	The Fire Investigator & The 2011 NFPA 921 Changes Presented by CFI Trainer.Net By IAAI	06/2011
NFPA 1033 Section 1.3.7 Fire Protection Systems (14)	Fire Protection Systems Presented by CFI Trainer.Net By IAAI	07/2011
NFPA 1033 Section 1.3.7 Fire Investigation Methodology (10)	Magna Tek: A Case Study In the Daubert Challenge Presented by CFI Trainer.Net By IAAI	09/2011
NFPA 1033 Section 1.3.7 Fire Dynamics (5) Computer Fire Modeling (7)	Introduction to Fire Dynamics and Modeling Presented by CFI Trainer.Net By IAAI	10/2011
NFPA 1033 Section 1.3.7 Computer Fire Modeling (7)	Charleston Super Sofa Store Fire Presented by CFI Trainer.Net By IAAI	10/2011
NFPA 1033 Section 1.3.7 Fire Invst. Technology (11)	The Potential Value of Electronic Evidence in Fire Investigations Presented by CFI Trainer.Net By IAAI	10/2011

NFPA 1033 Section 1.3.7 Fire Investigation (8)	Gas & Oil Fire Furnaces – Failure to Fire “Jack Christmas” Weekend Presented by PAAI	01/2012
NFPA 1033 Section 1.3.7 Fire Invest. Methodology (11)	Writing the Initial Origin and Cause Report Presented by CFI Trainer.Net By IAAI	03/2012
NFPA 1033 Section 1.3.7 Fire Investigation (8)	PAAI Annual Seminar Current Trend and Techniques	06/2012
NFPA 1033 Section 1.3.7 Fire Invest. Methodology (10)	Using Resources to Validate your Hypothesis Presented by CFI Trainer.Net By IAAI	08/2012
	NFPA 1033 and Your Career Presented by CFI Trainer.Net By IAAI	09/2012
NFPA 1033 Section 1.3.7 Explosion Dynamics (6)	Explosion Investigations / Investigating CSST Fires “Jack Christmas” Weekend Presented by PAAI	01/2013
NFPA 1033 Section 1.3.7 Electricity & Electrical Systems (16)	Residential Electricity for Fire Investigators Presented by Fire Findings Laboratories	05/2013
	Ethics & Social Media Presented by CFI Trainer.Net By IAAI	08/2013
NFPA 1033 Section 1.3.7 Electricity & Electrical Systems (16)	Basic Electricity Presented by CFI Trainer.Net By IAAI	03/2014
NFPA 1033 Section 1.3.7 Electricity & Electrical Systems (16)	Residential Electrical Systems Presented by CFI Trainer.Net By IAAI	04/2014
NFPA 1033 Section 1.3.7 Fire Investigation Methodology (10)	Process of Elimination Presented by CFI Trainer.Net By IAAI	10/2014
NFPA 1033 Section 1.3.7 Electricity & Electrical Systems (16)	Basic Electricity, Utility Systems and Electrical Failures Presented by Bert Davis, Ph.D., Rich Wunderly, PE Robert Kimmick, PE	11/2015
NFPA 1033 Section 1.3.7 Fire Investigation (8) Fire Dynamics (6) Explosion Dynamics (6)	Origin Fire Patterns Persistence in Post Flashover Fires Fire Dynamics Fundamentals Behavior of Natural Gas in Fire & Explosions “Jack Christmas” Weekend Presented by PAAI	01/2016
	Radiation Safety Training Nuclear Education Online University of New Mexico	2/2016

NFPA 1033 Section 1.3.7 Fire Investigation (8)	Investigation of Gas and Electrical Appliance Fires Presented by Fire Findings Laboratories	04/2016
	Radiation Safety Training Nuclear Education Online University of New Mexico	1/2017
NFPA 1033 Section 1.3.7 Fire Investigation (8)	Origin Fire Patterns Persistence in Post Flashover Fires Managing Major Case Fires Arc Mapping Clandestine Lab Response “Jack Christmas” Weekend Presented by PAAI	01/2017
NFPA 1033 Section 1.3.7 Thermometry (4)	Thermometry, Heat and Heat Transfer Presented by CFI Trainer.Net By IAAI	02/2017
NFPA 1033 Section 1.3.7 Fire Investigation (8)	Vehicle Fire Investigation Allegheny County Fire Training Academy	6/2017
NFPA 1033 Section 1.3.7 Fire Investigation (8)	Residential Natural Gas Systems Presented by CFI Trainer.Net By IAAI	10/2017
NFPA 1033 Section 1.3.7 Fire Investigation (8)	Investigating Natural Gas Systems Presented by CFI Trainer.Net By IAAI	10/2017
NFPA 1033 Section 1.3.7 Fire Investigation Methodology (10)	NFPA 921 and 1033 2014 Editions: Important Revisions Presented by CFI Trainer.Net By IAAI	10/2017
	Radiation Safety Training Nuclear Education Online University of New Mexico	1/2018
NFPA 1033 Section 1.3.7 Fire Investigation (8)	Forensic Applications of Fire Protection Systems Investigation of Fire Involving Lighting Fixtures Scene Investigations involving CSST/HVAC Systems Jack Christmas Weekend Presented by PAAI	01/2018
NFPA 1033 Section 1.3.7 Fire Investigation (8) Fire Investigation Methodology (10) Fire Dynamics (6)	2018 PAAI June Seminar Oxygen 101, Origin Matrix Analysis Arson/Homicide Case Review, Corpus Delecti Evaluation of Gasoline Ignition Vapors Fire Scene Evidence, Fire Scene Reporting Grounding/Bonding and Appliance Failures Presented by PAAI	06/2018

NFPA 1033 Section 1.3.7 Fire Investigation (8) Fire Dynamics (6) Hazardous Materials (12)	IAAI-Fire Dynamics Origin and Cause Hazardous Materials “Jack Christmas” Weekend Presented by PAAI	01/2019
NFPA 1033 Section 1.3.7 Electricity & Electrical Systems (16)	Electrical Systems, Appliances, Failures & Malfunctions Presented by Allegheny County Fire Marshal’s Office Romualdi Davidson & Associates	04/2019
NFPA 1033 Section 1.3.7 Fire Investigation (8) Fire Investigation Methodology (10)	2019 PAAI June Seminar Photovoltaic Systems Lithium Ion Battery Fires & Hazard’s Investigating & Litigating Fire Losses For Subrogation Insurers Presented by PAAI	06/2019

PROFESSIONAL AFFILIATIONS

Pennsylvania Association of Arson Investigators (PAAI)	Since 2004
PAAI Board of Directors - First Term	06/2008 – 06/2010
PAAI Board of Directors - Second Term	06/2010 – 06/2012
Chairman, PAAI Annual Seminar Committee	06/2010 – 06/2012
PAAI Board of Directors - Third Term	01/2017 – 01/2018
International Association of Arson Investigators	Since 2007
National Association of Fire Investigators, International	Since 2017

National Board on Fire Service Professional Qualifications Sponsors of the National Professional Qualifications System

ProBoard Accreditation for Fire Service Training Organizations

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Name	Certification	Date Certified	Standard	Certifying Agency
Timothy David Frew	Fire Investigator	08/08/2011	1033 - 2009	International Association of Arson Investigators, Inc.
Timothy Frew	Fire Investigator	10/20/2006	1033 - 2003	Pennsylvania Office of the State Fire Commissioner/PA State Fire Academy
Timothy D Frew	Fire Investigator	08/08/2016	1033 - 2014	International Association of Arson Investigators, Inc.

National Board on Fire Service Professional Qualifications

PO Box 690632
Quincy, MA 02269
Phone: 617-984-7474
