



Michael Joseph Spadea Sr.
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Professional Experience

Precision Forensic Consulting L.L.C. Wilmington, Delaware <i>Owner / Fire & Explosion Consultant</i>	<i>January 2017 to Present</i>
Envista Forensics, Formally PTC/LWG Wilmington, Delaware <i>Senior Lead Consultant</i>	<i>February 2010 to January 2017</i>
Delaware Technical Community College Stanton, Delaware <i>Adjunct instructor; Fire Protection Engineering & Criminal Justice</i>	<i>August 2010 to May 2011</i>
Delaware State Fire Marshal's Office New Castle Investigation Division <i>Deputy Fire Marshal III, Criminal Investigator</i> <i>Fire/ Arson/ Post-Blast Investigation</i>	<i>May 2002 to December 2015</i> <i>*Break in service April, 1 2004 to June 1, 2004</i>
Elsmere Bureau of Police Elsmere, Delaware <i>Police Officer / Patrolman</i>	<i>July 1999 to May 2002</i>
Elsmere Fire Company Elsmere, Delaware <i>Firefighter III / NR-EMT / Captain</i>	<i>June 1991 to 2021</i>

Fire Scene Experience

Mr. Spadea has personally worked or supervised more than 2000 fire and explosion scenes. Mr. Spadea specializes in structural, automotive, marine, and RV fire investigation.

Education

Delaware Technical and Community College <i>AAS Emergency Services Management</i>	<i>May 2004</i>
Wilmington University <i>B.S. Criminal Justice</i>	<i>January 2012</i>

Training

Delaware State Fire School - *Fire/Ems Training (Sept 1991 to Present)*

Delaware State Police - *Residential Police Academy (July 1999 to Dec 1999)*

Delaware State Police - *Felony Case Investigation (December 2001)*

New Your Academy of Fire Science - *Principles of Fire Investigation (October 2002)*

Office of the Medical Examiner - *Homicide Investigation (September 2002)*

National Fire Academy - *Fire / Arson Investigation Certification Course (October 2002)*

Bureau of Alcohol, Tobacco and Firearms - *State and Local Post-Blast Investigation (November 2002)*

Public Agency Training Council - *Fire Pattern Certification (March 2003)*

Delaware State Police - *Counter Terrorism Training (November 2003)*

John E. Reid and Associates - *The Reid Technique of Interview and Interrogation (May 2004)*

Department of Homeland Security / TEEX WMD - *Terrorism Incident Defensive Operations (April 2005)*

Dover Fire Marshal's Office - *Residential Test Burn (May 2005)*

Department of Homeland Security – *Center for Domestic Preparedness - WMD Crime Scene Management (May 2005)*

Department of Homeland Security - *Center for Domestic Preparedness - WMD Crime HazMat Evidence Collection (May 2005)*

New Mexico Tech - *Technical Operations Course, Incident Response to Terrorist Bombings (September 2005)* Major Incident Response Team Training - *Mass Casualty Incident Training (June 2006)*

Delaware State Police Academy - *Council on Police Training - Certified Police Instructor (July 2006)*

Action Target Academy - *New Castle County Police Firearms Range - Certified Firearms Instructor (July 2006)*

Dover Fire Marshal's Office - *Residential Test Burn - August 2006*

National Fire Protection Association - *Delaware State Fire School - NFPA 101 Life Safety Code Seminar (February 2007)*

Delaware Technical and Community College - *Commercial Structure / Interior Finish Test Burn (April 2007)*

International Association of Arson Investigators - *New Jersey Chapter - Fire Death Symposium (March 2008)*

International Association of Arson Investigators - *Delaware Chapter - Serial Arsonist Case Investigations (January 2009)*

Delaware State Fire Marshal's Office - *Accelerant Test Burn: Effects of Gasoline on Cloth Garment (January 2009)*

International Association of Arson Investigators – *NJ - Forensic Fire Scene Reconstruction (DeHaan & Icove) (March 2009)*

International Association of Arson Investigators - *Delaware Chapter - Insurance Fire and Fraud Investigation (May 2009)*

Delaware State Fire School - *NFPA 101: Life Safety Code (September 2009)*

Delaware State Fire School - *NFPA 1: Fire Code (September 2009)*

Delaware State Fire Marshal's Office - *Accelerant Test Burn (October 2009)*

International Association of Arson Investigators – *DE - Fires Involving Corrugated Stainless Steel Tubing (February 2010)*

Pennsylvania Association of Arson Investigators - *Fatal Fire Documentation and Recovery (March 2010)*

CFI Trainer.net. - *Introduction to Evidence (April 2010)*

CFI Trainer.net. - *Physical Evidence at the Fire Scene (April 2010)*

International Association of Arson Investigators – *Delaware Chapter - Fire Death Investigations (May 2010)* International Association of Arson Investigators, Inc. - *Investigating Motor Vehicle Fires (June 2010)*

International Association of Arson Investigators - *Delaware Chapter - Motor Vehicle Fires with Test Burn (June 2010)*

International Association of Arson Investigators - *Delaware Chapter - Fires Involving Residential Heaters (January 2011)*

International Association of Arson Investigators - *New Jersey Chapter - Forensic Photography (March 2011)*

Drexel University - *Motor Vehicle Fire Test Burn & Post Blast Reconstruction (March 2011)*

CFI Trainer.net. - *Digital Photography and the Fire Investigator (March 2011)*

CFI Trainer.net. - *Arc Mapping Basics (March 2011)*

International Association of Arson Investigators - *Delaware Chapter - Fire Scene Photography (June 2011)*

CFI Trainer.net. - *The Fire Investigator & the 2011 NFPA 921 Changes (September 2011)*

International Association of Arson Investigators - *Delaware Chapter - Arc Mapping (November 2011)*

International Association of Arson Investigators - *Delaware Chapter - 2011 NFPA 921 Changes (November 2011)*

CFI Trainer.net. - *Intro to Fire Dynamics (September 2012)*

CFI Trainer.net. - *Post-Flashover Fires (September 2012)*

CFI Trainer.net. - *The Scientific Method for Fire and Explosion Investigations (October 2012)*

CFI Trainer.net. - *A Ventilation-Focused Approach to the Impact of Bld (October 2012)*

CFI Trainer.net. - *An Analysis of the Station Club Fire (October 2012)*

CFI Trainer.net. - *Fire Dynamics Calculation (January 2013)*

National Fire Protection Association - *Changes in the 2012 Life Safety Code (January 2013)*

National Fire Academy - *Practical Applications of Fire Dynamics and Modeling (January 2015)* Compliance Training Online - *OSHA 29 CFR 1926.1101 (September 2016)*

New Jersey Chapter IAAI - *Cooperative Efforts in Multi Agency Investigation Efforts (March 2017)*

New Jersey Chapter IAAI - *Dryer Fires and CSST Gas Pipe Investigations (May 2018)*

Training Continued

CFI Trainer.net - Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems (June 2021)
CFI Trainer.net - Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems (June 2021)
CFI Trainer.net - The Practical Relationship Between NFPA 1033 and 921 (June 2021)
CFI Trainer.net - Discovery in Civil Cases (June 2021)
CFI Trainer.net - Documenting the Event (June 2021)
CFI Trainer.net – Fire Investigator Scene Safety (June 2021)

Certifications

National Board on Fire Service Professional Qualifications
Fire Fighter I & II

May 1997

National Board on Fire Service Professional Qualifications
Fire Investigator

July 2006

National Association of Fire Investigators (NAFI)
Certified Fire and Explosion Investigator

December 2005

International Association of Arson Investigators (IAAI)
Certified Fire Investigator

July 2006

Delaware Council on Police Training
Certified Instructor

July 2006

National Fire Protection Association
Certified Fire Inspector I

March 2009

Professional Organizations

International Association of Arson Investigators (IAAI)
Member since 2005

New Jersey Chapter, International Association of Arson Investigators
Member since 2011

Court Qualifications

Expert Witness: Fire Causation

- *United States District Court, District of Delaware*
- *Delaware Superior Court, New Castle County*
- *Chester County Pennsylvania, Court of Common Pleas*