

Jay F. Kramarczyk, MS, PE, IAAI-CFI
Vice President & Sr. Principal Engineer

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Professional Summary:

Jay is a licensed Professional Engineer in multiple jurisdictions throughout the United States as well as a Certified Fire Investigator and Certified Fireplace and Chimney Inspector.

Jay's work often entails the forensic analysis of fire protection systems, including detection, alarm, and commercial kitchen/chemical suppression systems as well as construction and egress. Jay is proficient in researching, analyzing, and interpreting codes and standards for fire protection, mechanical, and building systems. Following a fire, Jay is trained in the application and use of complex computerized fire models in determining the growth and spread of fire, smoke, and heat.

In addition to fire protection investigations, Jay is proficient in the analysis of mechanical systems and mechanical failures including water losses, ventilation systems, and gas-related events such as fires, explosions, and carbon monoxide incidents. Jay has performed failure analysis on numerous such systems including functionality, pressure, and leak testing to gas and water-based plumbing and appliances.

Jay also has the expertise as a Certified Fireplace and Chimney Inspector to inspect wood-burning appliances and chimneys preventatively and following a loss to evaluate design, installation, maintenance, use, and potential modes of failure.

Further, Jay is trained, experienced, and certified as a fire investigator to determine the origin and cause of fires and explosions and has performed these services throughout the country in small and multi-million-dollar losses. His unique and combined expertise in fire investigation and forensic engineering has proven to be a valuable combination.

As an often-sought-after speaker, in addition to being in the field and testifying, Jay has provided numerous audiences across the country with educational classes and ongoing training regarding his areas of expertise.

Jay's expertise includes, but is not limited to:

- Active fire protection forensics (detection, alarms, suppression)
- Passive fire protection forensics (construction & design, egress)
- Fire origin and cause investigations
- Fire, smoke, and heat spread
- Fireplace, chimney, & wood-burning appliances
- Commercial kitchen fires and failures
- Water losses and plumbing failures
- Gas-fed fires & explosions
- Carbon monoxide events
- Mechanical system forensics
- Code and standard analysis and interpretation

Licenses and Certifications:

Professional Engineer (Additional states available upon application):

Arizona, 50120	New Hampshire, 14540
California, FP 1671	New Mexico, 19485
Colorado, 42865	New York, 94874
Connecticut, 30568	Pennsylvania, PE087110
Kansas, 20792	Rhode Island, 11332
Kentucky, 33416	Texas, 108005
Maine, 13694	Utah, 7415980-2202
Maryland, 51498	Vermont, 18.0107447
Massachusetts, 51392	

National Engineering Registration, NCEES, 17-326-95

Private Investigator, New Hampshire

Private Investigator, Vermont

Private Investigator, New York

Certified Fire Investigator, International Association of Arson Investigators, 34-120508 (Originally obtained 12/11/2014)

Certified Fire and Explosion Investigator, National Association of Fire Investigators, 12385-6017 (Originally obtained 3/17/2007)

Fire Investigator (NFPA 1033-2014), National Board on Fire Science Professional Qualifications, International Association of Arson Investigators, 361601

Certified Fireplace & Chimney Inspector, Fireplace Investigation, Research & Education Service (F.I.R.E.), FCI-255

Certified in Hazardous Waste Operations & Emergency Response (HAZWOPPER)

CPVC Sprinkler Pipe Installer Certification (Blazemaster)

FAA Part 107 Small Unmanned Aircraft Systems (sUAS) Remote Pilot Certification

Project Experience:

The sample projects here outline a small sampling of the types of projects and losses Mr. Kramarczyk regularly investigates. For further information or additional examples, please contact EFI Global.

Wendy's Restaurant, Cleveland, Ohio

Fire Investigation, Fire Protection System Analysis, & Mechanical System Analysis

Represented the insurance carrier for the fire protection contractor to investigate the cause and origin of the fire as well as an in-depth analysis of the fire suppression system, the way in which the appliances were installed, a review of the kitchen's ventilation system, and the practices of the restaurant staff prior to and during the fire.

Residential Explosion, Brookline, New Hampshire

Mechanical Analysis & Fire/Explosion Investigation

Investigated the origin and cause of an explosion at a residence, including the analysis of the grill being used, the manufacturer's instructions regarding that grill, and identifying/recovering remnants of the propane tank that had landed across a pond.

Church of Jesus Christ of Latter Day Saints Everman Apartments, Meridian, Idaho

Fire Sprinkler System Failure Analysis

Investigated the cause of a large loss involving water freezing within a dry-pipe fire sprinkler system, finding that the sprinkler system was improperly designed, installed, and serviced.

Personal Injury, Everett, Washington

Product Defect & Mechanical Analysis

Investigated an alleged product defect following an injury involving a common hardware store-purchased product. Performed an analysis of the evidence, the manufacturer's instructions, and witness statements to provide the client with an expert failure analysis opinion.

T-Bones Sports Bar, Hays, Kansas

Fire Investigation & Fire Spread Analysis

Investigated the origin and cause of a large fire loss involving a restaurant and sports bar. Determined the fire was intentionally set which was provided to the insurance carrier for coverage determinations.

Core-Mark, Aurora, Colorado

Warehouse Storage Hazard & Fire Protection Analysis

Following a large fire loss, consulted with attorneys regarding the installed fire protection systems in relation to a hazard-analysis of various materials and chemicals stored in the subject warehouse.

Residential Explosion, Thornton, Colorado

Mechanical Evaluation of Gas System & Cause Investigation

Performed examinations and testing and an evaluation of a gas distribution system following a large fatal residential explosion and resultant fire.

Tantasqua Regional School District, Fiskdale, Massachusetts

Fire Protection & Mechanical Engineering Failure Analysis & Rebuilding Oversight

Conducted engineering failure analysis of commercial heating system and freeze-damage to fire sprinkler system. Coordinated scope of work with contractors, building official, and insurance carrier for repairs to both systems to prepare school for use.

Project Experience (Continued):

Residential Water Loss, Bradford, Vermont Water Loss Investigation – Fraud Investigation

Hired by insurance carrier to investigate the cause of a water loss that reportedly resulted in structural damages to the residence. Inspected the site, interviewed the claimant and contractors, reviewed forensic weather data and water usage records to conclude the water loss was fraudulent. Provided expert opinion to the carrier, who denied the claim.

Ski Resort Condominium Complex, Bolton Valley, Vermont Fireplace & Chimney Exam, Fire Investigation

Performed an inspection and analysis of a fireplace and chimney that caused fire damage to a multi-family resort condominium as well as an investigation into the origin and cause of the fire. Evaluated the design and installation of the systems as well as the required inspections and cleaning history to provide the client with an assessment of the cause of the fire.

Car Wash, Hanover, Massachusetts Mechanical Failure Analysis

Mechanical failure analysis of various components in an automatic tunnel-style car wash which had damaged a number of vehicles. Examined the components and system and reviewed the ongoing preventative maintenance performed.

Everman Apartments, Winchester, Kentucky Egress, Fire Alarm & Sprinkler, Fire-Rated Construction, & Fire Spread Analysis

Provided forensic analysis regarding a multi-family apartment building following a fire that resulted in multiple injuries and fatalities. Work included forensic assessment of applicable codes and standards and an analysis of the spread of the fire. The analysis included determining how the damages, injuries, and fatalities would have changed if alternative life-safety systems were in place at the time of the fire versus what was actually in place.

Court Qualifications/Depositions/Testimony:

Deposition, Acuity Mutual Insurance vs. Premier Fire Protection & Golden Triangle Construction, District Court, Larimer County, Colorado, 2023cv30173

Deposition, Bay State Heritage (Greendale Furniture) vs. Amguard Insurance Company, United States District Court, Massachusetts, 4:21-CV-40070

Deposition, One Eighty Five Stagg Associates vs. Linwood Avenue III, LLC, et al, Superior Court, State of Connecticut, FBT-CV-20-6102122-S

Deposition, 101 N. Kansas LLC (Chubb Insurance) vs. JTJ Ventures, LLC, Crosstone Construction, & Jayhawk Fire Sprinkler Co, District Court, Shawnee County, Kansas, 2021-CV-000291

Deposition, Judith Cleary (Vermont Mutual), et al vs. ABC Chimney/Sidney Williams, Superior Court, Washington County, Vermont, 21-CV-01589

Court Qualifications/Depositions (Continued):

Deposition, Matthew Cole (Vermont Mutual) vs. Dyconn Faucet/AOK Group, Superior Court, Stamford County, Connecticut, FST-CV20-6048024-S

Deposition, Pensco Trust Company & Sarah Thompson (Vermont Mutual) vs. Purvis Home Improvement, Superior Court, York County, Maine, CV-190212

Deposition, Cincinnati Insurance Co/Valley Cares, Inc. vs. Southern Vermont Sprinkler Services, District Court, State of Vermont, 5:17-cv-254

Deposition, Vermont Mutual Insurance Co. vs. Sean & Jeanette Hurdle, Superior Court, Washington County, Vermont, 237-4-17

Deposition, van der Kieft vs. Wells, Skovron, et al., Superior Court, Hillsborough County, New Hampshire, 226-2018-CV-00049

Deposition, State Farm Fire & Casualty vs. Jameco Industries/Watts Regulator Co., Superior Court, Maricopa County, Arizona, CV2015-094551

Deposition, Vermont Mutual Insurance Co vs. The Artful Chimney Service & Clover State Window and Siding, Superior Court, Washington Unit, Vermont, 623-10-16

Deposition, Redemptorist Fathers of New York vs. Absolute Fire Protection, Anne Arundel County, Circuit Court, Maryland, C-02-cv-16-002516

Deposition, State Farm Fire and Casualty vs. Watts Regulator Co., Third Judicial Court, Tooele County, Utah, 160300431

Deposition, Michigan Millers Mutual Insurance Company vs. Gallagher Fire Equipment Company, Defendant, Circuit Court, Wayne, Michigan, 15-016986-CB

Deposition, Belfor Property Restoration vs. Seneca Insurance Company, District Court, Nevada, CV14-02181

Deposition, State Farm Lloyds Insurance Company vs. Lopez Masonry, et al, Judicial District Court, Texas, 153-267639-13

Trial, Mountain West Farm Bureau Mutual Insurance Company vs. Cosner Construction Company, United States District Court, Wyoming, CV 2014-314

Deposition, Joseph & Barbara Pukt vs. Nexgrill Industries, US District Court, Massachusetts, CV 14-215

Deposition, Mountain West Farm Bureau Mutual Insurance Company vs. Cosner Construction Company, United States District Court, Wyoming, CV 2014-314

Arbitration, State Farm vs. Matt Sears Plumbing and Electric, C20144369

Deposition, Safeco Insurance vs. Ballard Pacific Resources, United States District Court, Colorado, 1:13-CV-1618-WJM-MJW

Court Qualifications/Depositions (Continued):

Deposition, Young, Upton, Turner vs. Brauer, District Court, County of Jefferson, Colorado 13CV346

Trial, Darrow vs. Absolute Woodworks, et al., District Court, County of Jefferson, Colorado

Trial, People of Colorado vs. Terrence Ballowe, District Court, County of Jefferson, Colorado 09CR50

Trial, Safeco Insurance vs. Plateau Heating & Air Conditioning, District Court, County of Jefferson, Colorado, 2012CV409

Deposition, Safeco Insurance vs. Plateau Heating & Air Conditioning, District Court, County of Jefferson, Colorado, 2012CV409

Deposition, Corporation of the Presiding Bishop of the Church of Jesus Christ of Latter-Day Saints vs. Datum Construction & Shilo Automatic Sprinkler, Fourth Judicial District Court, State of Idaho, Ada County CV OC 2011-12039

Deposition, Larry Sipes vs. Allstate Insurance, US District Court, District of Colorado, 11-CV-02369-PAB

Deposition, Lexington Insurance (Breeze Investments) vs. Advantage Alarm, et al., District Court, La Plata County, Colorado 2009-CV 250

Deposition, Farmers Insurance (Seasons Rotisserie & Grill) vs. Multiple Parties, District Court, La Plata County, Colorado 2008-CV 296

Trial, Lesch vs. Bartlett, District Court, Arapahoe County, Colorado

Deposition, Mountain West Farm Bureau (Timmons) vs. The Home Place & Chief Industries, District Court of Wyoming, 08-CV-175-D

Arbitration, Travelers Insurance vs. Code Fire

Professional Experience:

EFI Global, Vice President & Sr. Principal Engineer (current title), 2018-present
Unified Investigations & Sciences, District Manager, Principal Engineer, Senior Fire Investigator (2012-2018) (Merged with EFI Global)
Phoenix Investigations & Engineering, Project Engineer & Fire Investigator, 2009-2012 (Acquired by Unified Investigations & Sciences)
Western Engineering & Research Corp/Entropy Engineering Corp, Project Engineer, 2008-2009
Fire Cause Analysis, Engineer & Fire Investigator, 2006-2007
R.W. Sullivan Consulting Engineers, Code Consulting Intern, 2005-2006
WPI & US Navy, Fire Protection & Mechanical Engineering Laboratory Technician, 2003-2005

Specialized Education/Training:

ABC's of Engineering Ethics – The Project Management Triangle, 2023
Fire Resistance Rated Construction, 2023
Fundamentals of Metals, 2023
What Every Engineer Needs to Know About Liquefied Natural Gas Safety, 2023
Human Burn Injuries, 2023
Carbon Monoxide Poisoning, 2023
Spontaneous Combustion, 2023
Introduction to Small Natural Gas Systems, 2022
Piping Flange Fundamentals, 2022
Proper Design and Application of Advanced Composites for Strengthening Structures, 2022
ABC's of Electrical Fire Investigations, 2022
Fire Suppression System: Operation & Maintenance, 2021
Ethics & Standards of Professional Conduct, 2021
Engineering Ethics, 2021
Diesel Engine Fundamentals, 2021
Internal Combustion Engine Basics, 2021
Introduction to Steam, Boilers, and Thermodynamics, 2021
Introduction to Heat Exchangers, 2021
2021 NFPA 921 Chapter 19 – Fire Cause/Classification, 2020
Fire Dynamics Calculations – Version 2.0, 2020
Texas Board of Professional Engineering & Surveying Practice Board Update & Ethics, 2020
Introduction to Fire Dynamics and Modeling, 2020
MagneTek: A Case Study in the Daubert Challenge, 2020

Specialized Education/Training (Continued):

Introduction to Appliances, 2020
Legal Aspects of Investigating Youth-Set Fires, 2020
Investigating Natural Gas Systems, 2020
Charting Your Career Path in Fire Investigation, 2020
Design of Commercial Buildings to Mitigate Terrorist Attacks, 2020
Asbestos Awareness Training, EFI Global, 2020
Overview of Fire Alarm & Detection Systems, 2019
Case Studies of Three Explosions and a Chemical Accident, 2019
Engineering Ethics: The East Ohio Gas Company Explosion, 2019
The Texas City Disaster, 2019
Critical Evaluation and Testing of Commonly Reported Accidental Causes, CFITrainer, 2019
Joint Seminar, New England Fraud Expo, NEIASIU, 2019
Carbon Monoxide/Smoke – CO & Smoke Detection FAQ's, System Sensor/i4, 2018
Building Envelope Impact on HVAC Energy Use, 2018
Electrical Power Distribution Systems, 2018
Multigenerational Communication, NJSIA, 2018
Courtroom Testimony & Demeanor, NJSIA, 2018
Spotting Fraud in Self-Service, NJSIA, 2018
Recognizing Fraudulent Activity, NJSIA, 2018
The Proof is on the Porsche – Interpreting Damage to Identify Fraud, NJSIA, 2018
Arson Fraud Investigations & Financial Interest in Arson for Profit, NE-IASIU, 2018
The IASIU Code of Ethics: Our Living and Breathing Code, NE-IASIU, 2018
Role of the Attorney General with Respect to Insurance & Unemployment Fraud, NE-IASIU, 2018
Airbag Control Modules, NE-IASIU, 2018
Overview of Massachusetts Case Law, Statutes, & Regulations Applicable to Auto Damage Claims, NE-IASIU, 2018
Anatomy of a Civil Action from Inception through Jury Trial, NE-IASIU, 2018
Goals & Ground Rules When Coordinating Public & Private Investigations of Fire Claims, NE-IASIU, 2018
Preparing for Depositions, NE-IASIU, 2018
sUAS Aerial Data Acquisition for 3D Modeling, 2017
Fire Protection Systems, 2017
Ethics in the World of Engineering, 2017
Electrical Engineering, 2017

Specialized Education/Training (Continued):

Ethical Decisions & Moral Overload, 2017

Gas Fed Fires, Explosions, & Associated Topics, IAAI, Vermont Chapter, 2017

Civil Depositions and Cross Examination, IAAI, Vermont Chapter, 2017

Fire Investigations and the Insurance Company, IAAI, Vermont Chapter, 2017

Effective Report Writing, 2017

Carbon Monoxide Silent Killer, EAA, 2017

Glade Plug-In Air Fresheners, 2017

Marine Fire Investigations, 2017

Essentials of NFPA 1033, Unified Investigations & Sciences, 2016- 2017

Finding the Root Cause, December 2016

Engineering Ethics: The Big Dig Tunnel Ceiling Collapse, 2016

Introduction to Youth-Set Fires, CFITrainer.net / IAAI, 2016

Fireplace, Chimney, And Fuel Burning Appliance Fires, VT-IAAI, 2016

Overview of the Fire Hazards Associated with Lithium Ion Batteries, WPI & MA-IAAI, 2016

Carbon Monoxide Requirements in Commercial Buildings, NY Dept. of State, 2015

The Deposition Part 2: Questioning Tactics and Effective Responses, CFITrainer.net / IAAI, 2015

The Deposition Part 1: Format, Content, and Preparation, CFITrainer.net / IAAI, 2015

Liquid Petroleum Gas, 2015

Human Factors, 2015

Hazardous Materials First Responder Operations, 2015

Asbestos Awareness Training, 2015

Advanced Insurance Fraud Seminar, National Society of Professional Insurance Investigators, 2014

Introduction to Evidence, CFITrainer.net / IAAI, 2014

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

Basic Electricity, CFITrainer.net / IAAI, 2014

Residential Electrical Systems, CFITrainer.net / IAAI, 2014

Preparation for the Marine Fire Scene, CFITrainer.net / IAAI, 2014

Construction Defect Seminar, 2014

Ethical Issues in Design-Build, 2014

Ethical Issues from the Panama Canal Failure, 2014

Unified Investigations and Sciences, Inc., OSHA 29 CFR 1910.1200 - Globally Harmonized System of Classification and Labeling of Chemicals, 2014

Ethics & Social Media, CFITrainer.net / IAAI, 2014

Specialized Education/Training (Continued):

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

IAAI International Training Conference, Las Vegas, NV, 2014

OSHA Annual HAZWOPER Refresher, Safety Compliance Management, 2014

IAAI Colorado Chapter Annual Training Conference, Vail, Colorado, 2013

Scientific Method & Negative Corpus, IAAI Colorado Chapter District 3 Training Seminar, Centennial, CO, 2013

Expert Witness Testimony, IAAI Colorado Chapter District 3 Training Seminar, Centennial, CO, 2013

Small Scale Burn Model/Tests, IAAI Colorado Chapter District 3 Training Seminar, Centennial, CO, 2013

Public-Private Fire Investigations Interface, IAAI Colorado Chapter District 3 Training Seminar, Centennial, CO, 2013

Post-Flashover Burn Pattern Analysis, IAAI Colorado Chapter District 3 Training Seminar, Centennial, CO, 2013

NFPA 921 and The Daubert Expert, Brian Henry, Esq., Unified In-Service Training, Atlanta, Georgia, 2013

Advanced Courses in Fireplace & Chimney Inspection (F.I.R.E. Associates), FCI-01, FCI-02, & FCI-03, 2013

Arc Mapping Basics, CFITrainer.net / IAAI, 2013

OSHA 8 Hour Annual Refresher with Asbestos Awareness, HazMat School, 2013

International Association of Arson Investigators, Colorado Chapter, Annual Training Conference, 2012

How First Responders Impact the Fire Investigators, CFITrainer.net / IAAI, 2012

The Fire Investigator and the 2011 NFPA 921 Changes, CFITrainer.net / IAAI, 2012

The Potential Value of Electronic Evidence in Fire Investigations, CFITrainer.net / IAAI, 2012

The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, CFITrainer.net / IAAI, 2012

Fundamentals of Residential Building Construction, CFITrainer.net / IAAI, 2012

The Scientific Method for Fire and Explosion Investigation – Updated 2009, CFITrainer.net / IAAI, 2012

Using Resources to Validate your Hypothesis, CFITrainer.net / IAAI, 2012

Fire Investigator Scene Safety, CFITrainer.net / IAAI, 2012

Writing the Initial Origin and Cause Report, 2012

NFPA 1033 and Your Career, CFITrainer.net / IAAI, 2012

Documenting the Event, CFITrainer.net / IAAI, 2012

Explosion Dynamics, CFITrainer.net / IAAI, 2012

Evidence Examination: What Happens at the Lab?, CFITrainer.net / IAAI, 2012

Effective Investigation and Testimony, CFITrainer.net / IAAI, 2012

Fire Protection Systems, CFITrainer.net / IAAI, 2012

Engineering Ethics: The Great Boston Molasses Flood, 2011

Engineering Ethics: The Kansas City Hyatt Walkway Collapse, 2011

Engineering Ethics: Accepting Gifts and Amenities, 2011

Specialized Education/Training (Continued):

Engineering Ethics: Code of Ethics for Engineers, 2011

Sprinkler Design for the Engineer, Society of Fire Protection Engineers, 2011

Ethics and the Fire Investigator, CFITrainer.net / IAAI, 2011

Charleston Sofa Super Store Fire, CFITrainer.net / IAAI, 2011

When Lightning Strikes... You Might Have a CSST Failure, National Association of Subrogation Professionals Webinar, 2011

Investigating Motor Vehicle Fires, 2011

Critical Thinking Solves Cases, CFITrainer.net / IAAI, 2011

Insurance and the Fire Investigation, CFITrainer.net / IAAI, 2011

Fundamentals of Interviewing, CFITrainer.net / IAAI, 2010

Inspection, Testing, and Maintenance of Fire Alarms, National Fire Protection Association, 2010

Electrical Safety, CFITrainer.net / IAAI, 2010

Digital Photography & The Fire Investigator, CFITrainer.net / IAAI, 2010

Analysis of the Station Nightclub Fire, CFITrainer.net / IAAI, 2010

Wildland Fire Investigation, CFITrainer.net / IAAI, 2010

Asbestos Awareness Training Program, OSHA/Environmental Solutions, 2009

Lead Hazards, OSHA/Environmental Solutions, 2009

Investigating Fatal Fires, CFITrainer.net / IAAI, 2009

Understanding Fire Through the Candle Experiment, CFITrainer.net / IAAI, 2009

Utilizing NFPA 1033 & 921, CFITrainer.net / IAAI, 2009

Postflashover Fires, CFITrainer.net / IAAI, 2009

Vacant & Abandoned Buildings: Hazards and Solutions, CFITrainer.net / IAAI, 2009

Managing Complex Fire Scene Investigations, CFITrainer.net / IAAI, 2009

Ventilation-focused Approach to the Impact of Building Structures and Systems on Fire Development, CFITrainer.net / IAAI, 2009

Postflashover Fires, CFITrainer.net / IAAI, 2009

Vacant & Abandoned Buildings: Hazards and Solutions, CFITrainer.net / IAAI, 2009

Managing Complex Fire Scene Investigations, CFITrainer.net / IAAI, 2009

Ventilation-focused Approach to the Impact of Building Structures and Systems on Fire Development, CFITrainer.net / IAAI, 2009

Blazemaster Fire Sprinkler Piping System Installation, 2008

Introduction to Fire Dynamics Simulator and Smokeview, Society of Fire Protection Engineers, 2008

Introduction to Fire Dynamics and Modeling, CFITrainer.net / IAAI, 2008

HAZWOPPER 29 CFR 1910.120(e) (24 Hours), Compliance Solutions Occupational, Trainers, 2008

Fire Protection Engineering, Society of Fire Protection Engineers, 2007

National Advanced Fire, Arson, and Explosion Investigation Science & Technology Program, 2007

Incident Command System, US Homeland Security 2005

Hazardous Materials Operations, NH Fire Standards & Training Commission, 2003

Education:

Master of Science, Fire Protection Engineering, Worcester Polytechnic Institute, Worcester, Massachusetts, 2006

Bachelor of Science, Mechanical Engineering (with honors), Worcester Polytechnic Institute, Worcester, Massachusetts, 2005

Affiliations:

Senior Member/Diplomate, National Academy of Forensic Engineers

Member, International Association of Arson Investigators (International and Local Chapters)

Member, National Association of Fire Investigators

Member, National Fire Protection Association

Professional Member, Society of Fire Protection Engineers

Member, National Fire Sprinkler Association

Courses Instructed/Guest Lecturer:

Appliance Failures & Breakdowns

Arc Mapping as a Tool for Fire Investigators

Arson & Plumbing Fraud

Carbon Monoxide Incidents & Investigations

Chimneys, Fireplaces, and Wood-Fired Appliances

Commercial Kitchen Fire Protection

Commercial Kitchen Fires: Cause, Spread, Protection, & Investigations

Commercial Laundry Equipment Failures, Fires, & Investigations

Commercial Restaurant Origin and Cause Fire Investigations

Criminal Arson Case Study

Expert Witness Testimony

Fire Dynamics for the Fire Investigator

Fire Protection Construction, Alarms, Sprinklers, & Commercial Kitchens

Fire Protection, Fire Science, & Arson

Courses Instructed/Guest Lecturer (Continued):

Fire Protection Overview and Winter-Related Loss Prevention
Fire Protection System Forensics
Fire Spread & Flame Spread in Subrogation and Liability Investigations
Fire Spread Theories, Fire Dynamics, & Fire Protection
Fire Sprinkler Systems Overview & Failures
Fraudulent Water Loss Analysis
Gas-Fed Fires, Explosions & Associated Topics
Gas Systems & Explosion Dynamics, Webinar
Heating Fuel Use & Heating Degree Days
Heating System Use, Failures, & Analysis
Insurance Claims Regarding Residential Fire Sprinklers
The Latest in Fire Investigations: Electrical Fires & Arc Mapping
Motor Vehicle Fire Investigations & Arson
NFPA 1033 Professional Qualifications for Fire Investigator
Residential Sprinkler System Failures
Resistance Heating as a Heat Source for Fire Ignition
Vehicle Fires, Technology, & SIU

Publications:

Kramarczyk, Jay & Gilbert, Paul. "Property Loss Considerations: Is Insuring a Casino a Safe Bet?" EFI Global/Sedgwick, 2024.

Kramarczyk, Jay, et al. "The Effects of Fire Extinguisher Effluent on Equipment." EFI Global, 2023

Kramarczyk, Jay, et al. "Foam Fire Suppression in Aircraft Hangars – The Benefits Outweigh the Risks." EFI Global, 2022

Kramarczyk, Jay, et al. "Going Green? Understanding the Potential Risks." EFI Global, 2002

Kramarczyk, Jay. "Preventing Fires in Fireplaces and Chimneys." Sedgwick Claims Management Services, November 2015

Ackland, Phil. "A Guide for Commercial Kitchen Fires, Prevention and Investigation A Collaboration of Experts." 2012 (Peer-Reviewer)

Kramarczyk, Jay. "Forensic Fire Protection Engineering." NASP Subrogator Magazine. Winter, 2011

Kramarczyk, Jay. "Forensic Fire Protection Engineering." Phoenix Ink Newsletter. 2010

Kramarczyk, Jay. "The Scientific Method, Truth from Engineering." NASP Subrogator Magazine.
Spring/Summer, 2008