

# Michael J. Schulz, M.S.

## *President/Principal Consultant*

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### Curriculum Vitae

May 1, 2024

#### PROFESSIONAL BACKGROUND

Currently tasked in Metropolitan Sacramento, M.J. Schulz & Associates, Inc. is an internationally known consulting firm focusing on safety, security, and emergency management issues with a specialized emphasis in the investigation and analysis of hostile fire and explosion incidents.

As the President and Principal Consultant, he has been in practice for over forty-two years and has consulted in the United States, Canada, Mexico, Puerto Rico, and Europe. During that forty-two-year professional career, he has served as a civil defense officer, municipal law enforcement officer, fire department command officer, private consultant, and college professor.

He holds a Master of Science (M.S.) in Safety, Security and Emergency Management from Eastern Kentucky University and a Bachelor of Science (B.S.) in Fire and Safety Engineering Technology from the University of Cincinnati. He also holds a certificate in Fire Science from the University of Cincinnati.

He maintains current educational and experiential proficiency as required by National Fire Code NFPA 1033, Sections 1.3.7 and 1.3.8, in investigation technology, fire protection technology and code requirements and, more specifically, fire science, fire chemistry, thermodynamics, thermometry, fire dynamics, explosion dynamics, computer fire modeling, fire investigation, fire analysis, fire investigation

methodology, fire investigation technology, hazardous materials and failure analysis and analytical tools through the professional education and training enumerated herein.

In addition to his consulting practice, he developed and previously served as the Program Director for the Master of Arts (M.A.) in Emergency Management Leadership Graduate Program at Adler University in Chicago, Illinois. Besides his academic responsibilities, he also previously served as Chairman of the institution's Program Development Committee, which is responsible for the academic design and approval process of all new or revised academic programs, concentrations, and tracts. More recently he was appointed by the institution's President to serve on the Strategic Planning Committee.

His specialized emphasis and participation in the field of fire and explosion investigation and analysis has spanned most of his professional career.

He is a graduate of the United States Fire Administration's National Fire Academy (NFA) in Emmitsburg, Maryland, where he completed the Fire and Arson Investigation residency program. He later served as a field instructor for the National Fire Academy delivering the "Fire/Arson Detection" program

He was a charter member of the National Fire Protection Association's (NFPA) Technical Committee on Fire Investigations having been appointed to the committee at the time of its formation by the National Fire Protection Association's Standards Council. During his seventeen (17) year tenure as a principal member of the technical committee, he made significant contributions to both the National Fire Code 907M, entitled Manual for the Determination of Electrical Fire Causes, and the National Fire Code 921, entitled Guide for Fire and Explosion Investigations. He continued to serve on the committee as an alternate member for many years thereafter.

He also served as a member of both the International Fire Service Training Association (IFSTA) Fire Investigator and Fire Origin and Cause Material Review Committees. The Material Review Committees are responsible for the continuing review and revision of the Association's publications, entitled, Fire Investigator and Fire Origin and Cause.

He has served as a consultant to the federal government, including the Federal Emergency Management Agency's, United States Fire Administration's National Fire Academy, state governments and local governments. Recently, he was retained as an expert in the field of fire and explosion investigation and analysis by the Illinois Attorney General's Office and the Illinois State Fire Marshal's Office in federal litigation to which the State of Illinois was a party.

He was selected as an instructor for the Canadian Province of Ontario's Technical Standards and Safety Authority (TSSA) and previously be the U.S Consumer Product Safety Commission (CPSC) to provide training to the Commission's product safety field investigation staff.

He has particular expertise in the forensic investigation and analysis of motor vehicle fires of all types including post-collision motor vehicle fire incidents. Throughout his career, has endeavored to enhance his professional education, knowledge and investigative skills through various academic achievements including, but not limited to the following:

- Certified Vehicle Fire Investigator (CFVI)  
National Certification Board  
National Association of Fire Investigators
- Fire Investigation for Fire Officers Multi-Program with Concentration in Motor Vehicles  
International Association of Arson Investigators and CFITrainer.net
- Traffic Accident Investigation  
Northwestern University Traffic Institute
- Instructor – Motor Vehicle Fire Investigation  
National Certification Board  
National Association of Fire Investigators
- Instructor – Motor Vehicle Fire Investigation  
National Fire Protection Association

Given his keen understanding of fire behavior and fire dynamics, he has also often been asked to consult on the investigation and analysis of major wildland fire incidents. Those historical wildland fire incidents included:

- Chariot Fire, San Diego County, California, July 2013
- Witch Creek Fire, San Diego County, California, November 2017

More recently, he was retained by the Plaintiffs' Steering Committee (PSC) overseeing the comprehensive North Bay Wildland Fires litigation in Northern California which was comprised of a number of different wildland fire incidents. At the time of settlement of that litigation, he was actively assisting in the development of demonstrative trial exhibits to be utilized in the Tubbs Fire civil trial as part of that assignment. Those incidents included:

- Wall Fire, Butte County, California, July 2017
- Tubbs Fire, Napa/Sonoma County, California, October 2017
- Redwood Valley Fire, Mendocino County, California, October 2017
- Atlas Fire, Napa County, California, October 2017
- Sulphur Fire, Lake County, California, October 2017
- Cascade Fire, Yuba County, California October 2017
- Cherokee Fire, Butte County, California, October 2017
- Patrick Fire, Napa County, California, October 2017

- Nuns Fire, Napa County, California, October 2017
- LaPorte Fire, Butte County, California, October 2017
- Lobo Fire, Butte County, California, October 2017
- McCourtney Fire, Butte County, California, October 2017
- Honey Fire, Butte County, California, October 2017
- Pocket Fire, Sonoma County, California, October 2017
- Pythian Fire, Sonoma County, California, October 2017
- 37 Fire, Sonoma County, California, October 2017
- Camp Fire, Butte County, California, November 2018

Most recently, he was retained by a consortium of multiple clients to also consult on the investigation and analysis of a series of wildland fire incidents and associated debris flows which occurred in California, Oregon, Washington, Hawaii and Texas in recent years. Those incidents include:

- Mission Fire/Madera County, California, September 2017
- Thomas Fire, Ventura County, California, December 2017
- Koenigstein Fire, Ventura County, California, December 2017
- Creek Fire, Los Angeles County, California, December 2017
- Holiday Fire, Santa Barbara County, California, July 2018
- Woolsey Fire, Ventura County, California, October 2018
- Getty Fire, Los Angeles County, California, October 2019
- Kincaide Fire, Sonoma County, California, October 2019
- Beachie Creek Fire, Marion County, Oregon, August 2020
- South Oberchain Fire, Jackson County, Oregon, September 2020
- Two-Four Two Fire, Lake County, Oregon, September 2020
- Santiam Canyon Fire, Marion County, Oregon, September 2020
- Whitney Fire, Lincoln County, Washington, September 2020
- Glass Fire, Napa County, California, September 2020
- Zogg Fire, Shasta County, California, September 2020
- Archie Creek Fire, Douglas County, Oregon, September 2020
- Bobcat Fire, Los Angeles County, California, September 2020
- Slater Fire, Siskiyou County, California, October 2020
- Silverado Fire, Orange County, California, October 2020
- Pope Fire, Napa County, California, October 2020
- Calwood Fire, Boulder County, Colorado, October 2020
- Laura 2 Fire, Lassen County, California, November 2020
- Pinehaven Fire, Washoe County, Nevada, November 2020
- Mountain View Fire, Mono County, California, November 2020
- Echo Mountain Fire, Lincoln County, December 2020.
- Creek Fire, San Diego County, California, December 2020
- Cerritos Fire, Riverside County, California, December 2020
- Bonita Fire, Riverside County, California, January 2021
- Dixie Fire, Butte County, California, July 2021

- Fly Fire, Plumas County, California, July 2021
- Caldor Fire, El Dorado, California, August 2021
- West Wind Fire, Judith Basin County, Oregon, November 2021
- Coastal Fire, Orange County, California, May 2022
- McKinney Fire, Siskiyou County, Oregon, July 2022
- Mosquito Fire, Placer County, California, September 2022
- Mill Fire, Siskiyou County, California, September 2022
- Fairview Fire, Riverside County, September 2022
- Olinda Fire, Maui County, Hawaii, August 2023
- Kula Fire, Maui County, Hawaii, August 2023
- Lahaina Fire, Maui County, Hawaii, August 2023
- Windy Deuce Fire, Texas, Moore County, Texas, February 26, 2024
- Smokehouse Creek Fire, Hutchinson County, Texas, February 26, 2024
- Grape Vine Creek, Gray County, Texas, February 26, 2024
- 687 Reamer Road Fire, Hutchinson County, Texas, February 27, 2024

He holds national registration as a National Board Certified Fire and Explosion Investigator (CFEI), a National Board Certified Vehicle Fire Investigator (CVFI) and a National Board Certified Fire Investigation Instructor (CFII) through the National Association of Fire Investigators' National Certification Board. He also holds international registration as a Certified Canadian Fire Investigator (CCFI) through the Canadian Association of Fire Investigators' National Certification Committee. He also holds national registration as a Certified Fire Protection Specialist (CFPS) through the National Fire Protection Association and the Certified Fire Protection Specialist Board.

His professional affiliations include the National Fire Protection Association (NFPA), the American Society of Safety Engineers (ASSE), the National Fire Academy Alumni Association (NFAAA), the National Association of Fire Investigators (NAFI), the International Association of Arson Investigators (IAAI), the Illinois Chapter of International Association of Arson Investigators (IL-IAAI), the California Conference of Arson Investigators (CCAI), the Canadian Association of Fire Investigators (CAFI), the Society of Fire Protection Engineers (SFPE), the American Society for Testing and Materials (ASTM), the Society of Automotive Engineers (SAE) and the American Radio Relay League (ARRL).

His academic affiliations include the Phi Kappa Phi Honors Society, the University of Cincinnati Alumni Association, and the Eastern Kentucky University Alumni Association.

## **FORMAL EDUCATION**

Eastern Kentucky University, Richmond, KY  
Master of Science (M.S.) in Safety, Security and Emergency Management  
Honors: 4.0 Cumulative GPA  
December 2012

University of Cincinnati, Cincinnati, OH  
Bachelor of Science (B.S.) in Fire and Safety Engineering Technology  
Honors: Magna cum Laude 3.86 Cumulative GPA  
June 1996

University of Cincinnati, Cincinnati, OH  
Certificate in Fire Science  
United States Fire Administration Open Learning Fire Service Program  
June 1996

## **PROFESSIONAL EXPERIENCE**

M.J. Schulz & Associates, Inc., Roseville, CA  
President – Principal Consultant  
Private Consulting Firm  
2000 – Present

Adler University, Chicago, Illinois  
Professor/Program Director  
Emergency Management Leadership Program  
2013 - 2016

Foundations of Emergency Management (EML 500)

Law and Politics of Emergency Management (EML 501)

Supporting Functional Needs Populations in Disasters (EML 502)

Disaster Response, Recovery and Continuity (EML 503)

Psychology of Terrorism (EML 504)

Leading in Times of Disaster (EML 505)

Essentials of Effective Communication (EML 506)

Research Methods for Leaders in Emergency Management (EML 507)

Group, Organization and System Development (EML 508)

Private Sector Emergency Management Strategies (EML 509)

Disaster Mental and Behavioral Health Applications in Emergency Management (EML 510)

Emerging Issues in Emergency Management and Homeland Security (EML 511)

Capstone Project (EML 512)

Adler University, Chicago, Illinois  
Professor  
Police Psychology Program

Psychology of Leadership (MAP 757)

DuPage County Amateur Radio Emergency Service, Wayne, Illinois  
Emergency Coordinator  
Auxiliary Emergency Communications Team

William Rainey Harper Community College, Palatine, Illinois  
Adjunct Instructor  
Fire Science Program

Principles of Fire Prevention IV

SCS Research Group, Rolling Meadows, Illinois  
Consultant  
Private Consulting Firm  
2000 - 2000

John A. Kennedy & Associates, Inc., Hoffman Estates, Illinois  
Senior Staff Expert  
Private Consulting Firm  
1990 - 2000

Cedarburg Police Department, Cedarburg, Wisconsin  
Municipal Police Officer  
Municipal Police Department  
1979 - 1990

Cedarburg Fire Department, Cedarburg, Wisconsin  
Captain – Fire Prevention Company  
Municipal Fire Department  
1981 - 1990

Milwaukee Area Technical College, Milwaukee, Wisconsin  
Adjunct Instructor  
Fire Science Program

Fire Investigation

Milwaukee Area Technical College, Milwaukee, Wisconsin  
Adjunct Instructor  
Police Science Program

Arson Investigation

## **PROFESSIONAL CERTIFICATES**

University of Cincinnati, Cincinnati, OH  
Certificate in Fire Science  
United States Fire Administration Open Learning Fire Service Program  
June 1996

Principles of Fire Investigation Multi-Program  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Fire Investigation for Fire Officers Multi-Program with Concentration in  
Motor Vehicles  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Fire Investigation for Fire Officers Multi-Program with Concentration in  
Youth Set Fires  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Fire Investigation for the Insurance Industry – Multi-Program  
International Association of Arson Investigators and CFITrainer.net  
March 2024



Fire Investigation Safety – Multi-Program  
International Association of Arson Investigators and CFITrainer.net  
March 2024

## **CURRENT PROFESSIONAL CERTIFICATIONS/DESIGNATIONS**

Certified Fire Protection Specialist (CFPS)  
Certified Fire Protection Specialist Board  
National Fire Protection Association

Certified Fire and Explosion Investigator (CFEI)  
National Certification Board  
National Association of Fire Investigators

Certified Vehicle Fire Investigator (CFVI)  
National Certification Board  
National Association of Fire Investigators

Certified Fire Investigation Instructor (CFII)  
National Certification Board  
National Association of Fire Investigators

Canadian Certified Fire Investigator (CCFI)  
National Certification Committee  
Canadian Association of Fire Investigators

Professional Development Series Certification (PDS)  
Illinois Emergency Management Agency

Communications Unit Leader (COML)  
Department of Homeland Security  
Federal Emergency Management Agency/Office of Emergency  
Communications

Auxiliary Emergency Communicator (AEC)  
Department of Homeland Security  
Federal Emergency Management Agency/Office of Emergency  
Communications

## **PREVIOUS PROFESSIONAL CERTIFICATIONS/DESIGNATIONS**

Certified Fire Service Instructor II  
Board of Vocational, Technical and Adult Education  
State of Wisconsin

Certified Fire Service Instructor I  
Board of Vocational, Technical and Adult Education  
State of Wisconsin

Certified Emcomm Field Instructor (FI)  
Continuing Education Program  
American Radio Relay League

Certified Emcomm Field Examiner (FE)  
Continuing Education Program  
American Radio Relay League

## **PROFESSIONAL BUSINESS LICENSURES**

Registered Class 1 Private Detective Agency  
License Number 117001067  
Department of Financial and Professional Regulation  
State of Illinois

Registered Class A Private Detective  
License Number 115-001562  
Department of Financial and Professional Regulation  
State of Illinois

Registered Permanent Employee  
Registration Card Number 129-117390  
Department of Financial and Professional Regulation  
State of Illinois

Class A Investigation Company  
License Number A 10054  
Department of Public Safety  
State of Texas

Owner  
License Number A 10054  
Department of Public Safety  
State of Texas

## **EMERGENCY MEDICAL CERTIFICATIONS**

Adult First Aid/CPR/AED  
American Red Cross

## **PROFESSIONAL COMMUNICATIONS LICENSURE**

Federal Communications Commission, Washington, D.C.  
Amateur Extra Class: Call Sign - W9MJS  
FRN 0009322181

Federal Communications Commission, Washington, D.C.  
GMRS: Call Sign - WQIR430  
FRN 0009322181

## **NATIONAL FIRE ACADEMY GRADUATE**

Fire and Arson Investigation, Emmitsburg, Maryland  
United States Fire Administration  
Residency Program

Selection, acceptance, and an invitation to the National Fire Academy is achieved by an evaluation of qualifications, training, and experience and by the successful completion of a comprehensive nomination and application process. His nomination was submitted and endorsed by both the municipal police department and municipal fire department in the jurisdiction in which he served following his graduation. He was one of a limited number of municipal law enforcement officers from his state to have been selected and invited to attend.

## **NATIONAL FIRE ACADEMY FIELD PROGRAM**

Fire/Arson Detection, Emmitsburg, Maryland  
United States Fire Administration  
Train-the-Trainer Program

Having completed the requisite Train-the-Trainer coursework, he has served as a field instructor for the National Fire Academy's Field Program entitled, "Fire/Arson Detection." In that capacity, he has trained hundreds of law enforcement and fire service personnel.

## **CONSULTANT TO FEDERAL EMERGENCY MANAGEMENT AGENCY**

United States Fire Administration, Emmitsburg, Maryland  
Arson Prevention Act of 1994 Working Group  
Content Expert

He was contracted to serve as a training course Content Expert directing and overseeing the revision of current federal fire investigation training programs administered by the United States Fire Administration's National Fire Academy, as well as the development of a new federal fire investigation training program as part of the mandates by the United States Congress under the Arson Prevention Act of 1994. In that capacity, he was selected to serve as a chairman of one of the two working task groups.

United States Fire Administration, Emmitsburg, Maryland  
National Symposium for Arson Prevention and Control  
Delegate

He was also selected as one of only sixty delegates from across the nation to the United States Fire Administration and National Fire Academy's National Symposium for Arson Prevention and Control, held in Emmitsburg, Maryland in July 1995. The symposium serves to advise the United States Fire Administration and its National Fire Academy on the goals and objectives of their respective arson prevention and control programs.

## **CODES AND STANDARDS DEVELOPMENT PROCESS PARTICIPANT**

Technical Committee on Fire Investigations  
National Fire Protection Association  
Principal Committee Member

Fire Origin and Cause Material Review Committee  
International Fire Service Training Association  
Principal Committee Member

Fire Investigator Material Review Committee  
International Fire Service Training Association  
Principal Committee Member

Technical Committee on Fire Investigations  
National Fire Protection Association  
Alternate Committee Member

He has extensive knowledge in the development, interpretation and application of laws, codes, standards, and recommended practices that focus on issues arising from the investigation and analysis of fires and explosions.

During his tenure with the fire service, he was responsible for supervising a municipal fire department's code development, fire inspection and code enforcement activities. He was also assigned to a mayoral task group that developed and implemented a revised municipal fire prevention code. During that assignment, he authored many portions of that new fire prevention code.

His involvement in the codes and standards making process provides him with a unique and specialized insight into the development, interpretation and application of such laws, codes, standards, and recommended practices.

His professional training, education and experience include, but is not limited to, the interpretation and application of such codes and standards as the following:

- National Fire Protection Association (NFPA)
- American National Standards Institute (ANSI)
- International Code Council (ICC)
- Building Officials and Code Administrators International (BOCA)
- Southern Building Code Congress International (SBCCI)
- International Code and Buildings Officials (ICBO)
- American Insurance Institute (AIA)
- American Society for Testing and Materials (ASTM)
- Underwriter's Laboratories, Incorporated (UL)
- Canadian Standards Association (CSA)
- National Institute of Standards and Technology (NIST)
- Code of Federal Regulations (CFR)
- Occupational Safety and Health Administration (OSHA)
- Department of Transportation (DOT)
- Consumer Products Safety Commission (CPSC)
- Airline Transport Association (ATA)

## **CONTINUING LAW ENFORCEMENT EDUCATION**

Wisconsin Certified Law Enforcement Officer Training  
State of Wisconsin, Department of Justice, Training and Standards Board  
March 1979

Death Investigation  
State of Wisconsin, Department of Justice, Division of Criminal Investigation  
September 1979

Police In-Service Recertification  
Milwaukee Area Technical College  
1980

Police In-Service Recertification  
Milwaukee Area Technical College  
1981

Police In-Service Recertification  
Milwaukee Area Technical College  
1982

Police In-Service Recertification  
Milwaukee Area Technical College  
1983

Police In-Service Recertification  
Milwaukee Area Technical College  
1984

Effective Use of Photography as Legal Evidence  
University of Wisconsin, Department of Engineering and Applied Science  
May 1985

Police In-Service Recertification  
Milwaukee Area Technical College  
1985

Police In-Service Recertification  
Milwaukee Area Technical College  
1986

Police In-Service Recertification  
Milwaukee Area Technical College  
1987

Police In-Service Recertification  
Milwaukee Area Technical College  
1988

Police In-Service Recertification  
Milwaukee Area Technical College  
1989

Traffic Accident Investigation  
Northwestern University Traffic Institute  
September 2000

## **CONTINUING FIRE SERVICE EDUCATION**

Crash Injury Management Technician  
Waukesha Area Technical College  
March 1979

Basic Course on Handling Hazardous Materials Emergency Incidents  
State of Wisconsin, Board of Vocational, Technical and Adult Education  
February 1981

Basic Fire Fighting (Firefighter I)  
Milwaukee Area Technical College  
December 1981

Emergency Medical Technician Certification  
Emergency Medical Technician Training Consortium  
February 1982

Advanced Fire Fighting (Firefighter II)  
Milwaukee Area Technical College  
March 1982

Search and Rescue  
International Society of Fire Service Instructors  
September 1982

Fire Ground Commander  
National Fire Protection Association  
October 1982

Operating Fire Department Apparatus  
Milwaukee Area Technical College  
April 1983

EMS Communications  
Moraine Park Technical Institute  
August 1983

Company Officer Leadership  
Association of Ozaukee County Fire Departments  
March 1984

Certified Fire Inspector Training  
State of Wisconsin, Department of Industry, Labor, and Human Relations  
March 1986

Fire Department Instructors Conference  
International Association of Fire Service Instructors  
March 1991

Fire Case Studies Symposium: Office High-Rise Fire Safety  
National Fire Protection Association, Montreal  
November 1991

Fire Codes and Standards Forum  
Fire Marshal's Association of North America  
November 1991

Fire Department Instructors Conference  
International Society of Fire Service Instructors  
April 1992

## **CONTINUING FIRE AND EXPLOSION INVESTIGATION AND ANALYSIS EDUCATION**

15th Annual Wisconsin Arson Training Seminar  
State of Wisconsin, Department of Justice, Division of Criminal Investigation,  
and the Wisconsin Chapter of the International Association of Arson  
Investigators  
June 1980

Arson Investigation  
American Policy Academy  
January 1981

Automobile Fire Investigation  
Badger Firemen's Association  
March 1981

Fire/Arson Detection  
United States Fire Administration's National Fire Academy Field Program  
May 1982



17th Annual Wisconsin Arson Training Seminar  
State of Wisconsin, Department of Justice, Division of Criminal Investigation,  
and the Wisconsin Chapter of the International Association of Arson  
Investigators  
June 1982

Fire and Arson Investigation  
Milwaukee Area Technical College  
April 1983

18th Annual Wisconsin Arson Training Seminar  
State of Wisconsin, Department of Justice, Division of Criminal Investigation,  
and the Wisconsin Chapter of the International Association of Arson  
Investigators  
June 1983

Arson Investigation  
Milwaukee Area Technical College  
February 1984

35th Annual I.A.A.I. Training Conference  
International Association of Arson Investigators, Clearwater Beach  
April 1984

Arson Investigation  
Hillsborough Community College  
April 1984

Fire/Arson Detection  
Wisconsin Board of Vocational, Technical and Adult Education  
May 1984

19th Annual Wisconsin Arson Training Seminar  
State of Wisconsin, Department of Justice, Division of Criminal Investigation,  
and the Wisconsin Chapter of the International Association of Arson  
Investigators  
June 1985

Fire Investigation  
Milwaukee Area Technical College  
September 1984

20th Annual Wisconsin Arson Training Seminar  
State of Wisconsin, Department of Justice, Division of Criminal Investigation,  
and the Wisconsin Chapter of the International Association of Arson  
Investigators  
June 1985

Determining the Cause and Origin of Fires and Explosions  
National Association of Fire Investigators  
August 1985

Fire and Arson Investigation  
United States Fire Administration's National Fire Academy  
June 1986

21st Annual Wisconsin Arson Training Seminar  
State of Wisconsin, Department of Justice, Division of Criminal Investigation,  
and the Wisconsin Chapter of the International Association of Arson  
Investigators  
June 1986

Determining the Cause and Origin of Fires and Explosions  
National Association of Fire Investigators  
August 1986

22nd Annual Wisconsin Arson Training Seminar  
State of Wisconsin, Department of Justice, Division of Criminal Investigation,  
and the Wisconsin Chapter of the International Association of Arson  
Investigators  
June 1987

Determining the Cause and Origin of Fires and Explosions  
National Association of Fire Investigators, Chicago  
August 1987

Determining the Cause and Origin of Fires and Explosions  
National Association of Fire Investigators  
September 1988

Arson-For-Profit Investigative Techniques Seminar  
United States Department of the Treasury, Bureau of Alcohol, Tobacco, and  
Firearms  
January 1989

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 1989

National Conference on Fire Investigation Instruction  
National Association of Fire Investigator  
January 1990

Fire Investigation Course for Professional Development  
Eastern Kentucky University  
March 1990

Fire Investigation Training Seminar  
University of Southern Mississippi  
June 1990

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 1990

Fire Litigation and Explosion Investigation Training Seminar  
HMR Fire Technology Institute  
September 1990

1st Annual Fire and Explosion Investigation Training Program  
Sacramento County Fire Investigation Unit  
November 1990

Fire Investigation Course for Professional Development  
Eastern Kentucky University  
April 1991

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 1991

Fire Investigation and Analysis  
Fire Science and Technology Educators Section Program  
National Fire Protection Association  
November 1991

Advanced Fire Scene Analysis  
National Fire Protection Association  
February 1992

Fire Investigation Course for Professional Development  
Eastern Kentucky University  
March 1992

Human Behavior Task Group Meeting  
National Fire Protection Association  
April 1992

Mathematical Computer Fire Modeling, Special Tutoring Program  
National Institute of Standards and Technology  
June 1992

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 1992

FPETool and Hazard I User's Conference  
National Institute of Standards and Technology  
October 1992

Fire Investigation and Analysis  
National Fire Protection Association  
Fire Science and Technology Educator's Section  
November 1992

Fire Investigation Course for Professional Development  
Eastern Kentucky University  
March 1993

Conference on Community College Fire Science and Technology Core  
Curriculum  
National Fire Protection Association  
September 1993

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 1993

Fire Investigation Course for Professional Development  
Eastern Kentucky University  
March 1994

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 1994

Rocky Mountain Fire, Arson, and Explosion Investigation Training Program  
Aurora Fire Department  
January 1995

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 1995

Washington State Chapter of the International Association of Arson  
Investigators' Annual Training Seminar  
September 1995

Colorado Association of Property and Evidence Technicians' Annual Training  
Seminar  
September 1995

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 1995

Fire Science and Technology Educators' Section Program  
National Fire Protection Association  
November 1995

Eastern Kentucky University's National Advanced Fire, Arson, and Explosion  
Investigation Training Program  
National Association of Fire Investigators  
March 1996

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 1996

Eastern Kentucky University's National Advanced Fire, Arson, and Explosion  
Investigation Training Program  
National Association of Fire Investigators  
March 1997

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
July 1997

Texas Fire, Arson, and Explosion Investigation Training Symposium  
Missouri City Fire Department and Texas A & M University  
September 1997

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
July 1998

Texas Fire, Arson, and Explosion Investigation Training Symposium  
Missouri City Fire Department and Texas A & M University  
August 1998

Investigation of Motor Vehicle Fires  
Lee S. Cole & Associates, Incorporated  
November 1998

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
November 1998

National Seminar on Fire Analysis Litigation  
National Association of Fire Investigators  
January 1999

Eastern Kentucky University's National Advanced Fire, Arson, and Explosion  
Investigation Training Program  
National Association of Fire Investigators  
April 1999

Florida Fire & Explosion Investigation Symposium  
National Association of Fire Investigators  
July 1999

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 1999

Canadian National Fire, Arson, and Explosion Investigation Training  
Program  
National Association of Fire Investigators  
November 1999

National Seminar on Fire Analysis Litigation  
National Association of Fire Investigators  
January 2000

Canadian National Fire, Arson, and Explosion Investigation Training  
Program  
National Association of Fire Investigators  
November 2000

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 2001

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2001

Eastern Kentucky University's National Advanced Fire, Arson, and Explosion Investigation Training Program  
National Association of Arson Investigators  
April 2002

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 2002

National Seminar on Fire Analysis Litigation  
National Association of Fire Investigators  
January 2002

Vehicle Fire, Arson and Explosion Investigation Science and Technology Seminar  
National Association of Fire Investigators  
September 2002

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2002

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 2003

Vehicle Fire, Arson and Explosion Investigation Science and Technology Seminar  
National Association of Fire Investigators  
October 2003

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2003

Eastern Kentucky University's National Advanced Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
March 2004

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 2004

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
September 2004

Canadian National Fire, Arson, and Explosion Investigation Training  
Program  
National Association of Fire Investigators  
October 2004

Eastern Kentucky University's National Advanced Fire, Arson, and Explosion  
Investigation Training Program  
National Association of Fire Investigators  
March 2005

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 2005

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
September 2005

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2005

Eastern Kentucky University's National Advanced Fire, Arson, and Explosion  
Investigation Training Program  
National Association of Fire Investigators  
March 2006

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 2006

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2006



Investigating Motor Vehicle Fires  
International Association of Arson Investigators and CFITrainer.net  
November 2006

Digital Photography and the Fire Investigator  
International Association of Arson Investigators and CFITrainer.net  
November 2006

Ethics and the Fire Investigator  
International Association of Arson Investigators and CFITrainer.net  
November 2006

Fire Investigator Scene Safety  
International Association of Arson Investigators and CFITrainer.net  
November 2006

Fire Dynamics Calculations  
International Association of Arson Investigators and CFITrainer.net  
December 2006

Insurance and the Fire Investigation  
International Association of Arson Investigators and CFITrainer.net  
January 2007

An Analysis of the Station Nightclub Fire  
International Association of Arson Investigators and CFITrainer.net  
January 2007

The Scientific Method for Fire and Explosion Investigation  
International Association of Arson Investigators and CFITrainer.net  
January 2007

MagneTek: A Case Study in the Daubert Challenge  
International Association of Arson Investigators and CFITrainer.net  
February 2007

Eastern Kentucky University's National Advanced Fire, Arson, and Explosion  
Investigation Training Program  
National Association of Fire Investigators  
March 2007

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
August 2007

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
September 2007

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2007

Introduction to Evidence  
International Association of Arson Investigators and CFITrainer.net  
December 2007

Critical Thinking Solves Cases  
International Association of Arson Investigators and CFITrainer.net  
December 2007

Introduction to Fire Dynamics and Modeling  
International Association of Arson Investigators and CFITrainer.net  
December 2007

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
March 2008

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2008

Saudi Aramco Fire, Arson and Explosion Investigation Training Program  
Trace Fire Safety Consultants and the National Association of Fire  
Investigators  
November 2008

Fire and Explosion Investigations: Utilizing NFPA 1033 and 921  
International Association of Arson Investigators and CFITrainer.net  
February 2009

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
March 2009

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
September 2009

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2009

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
March 2010

Saudi Aramco Fire, Arson, and Explosion Investigation Training Program  
Trace Fire Safety Consultants and the National Association of Fire  
Investigators  
August 2010

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2010

Residential Electricity for Fire Investigators  
Fire Findings Laboratories  
April 2011

Dust Explosion Hazards  
National Fire Protection Association  
May 2011

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
September 2011

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2011

Northern Zone Fire Investigation Seminar  
Illinois Chapter of the International Association of Arson Investigators  
January 2012

Writing the Initial Origin and Cause Report  
International Association of Arson Investigators and CFITrainer.net  
July 2012

The Fire Investigator and the 2011 NFPA 921 Changes  
International Association of Arson Investigators and CFITrainer.net  
July 2012

How First Responders Impact the Fire Investigation  
International Association of Arson Investigators and CFITrainer.net  
July 2012

Effective Investigation and Testimony  
International Association of Arson Investigators and CFITrainer.net  
July 2012

Wildland Fire Investigations  
International Association of Arson Investigators and CFITrainer.net  
July 2012

Explosion Dynamics  
International Association of Arson Investigators and CFITrainer.net  
August 2012

Search and Seizure  
International Association of Arson Investigators and CFITrainer.net  
August 2012

The Practical Application of the Relationship between NFPA 1033 and NFPA  
921  
International Association of Arson Investigators and CFITrainer.net  
August 2012

29<sup>th</sup> Annual Fire Investigation Training Conference  
Illinois Chapter of the International Association of Arson Investigators  
September 2012

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2012

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2013

Technical Standards and Safety Administration Fire Investigation Seminar  
Trace Fire & Safety  
September 2014

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2014

Understanding Your Role in Fire Data  
National Association of State Fire Marshals Foundation  
November 2014

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
October 2015

Introduction to Fire Behavior (Wildland)  
World of Wildland Fire  
Northern Arizona University and the Wildland Fire Education and Training  
Collaborative (WETC)  
January 2016

Next Generation for Advanced Wildland Fire Training – An Introduction  
Southern Fire Exchange  
March 2017

The Ecology of Fuels (Wildland)  
Southern Fire Exchange  
May 2017

Wildfire Hazard and Risk Assessment  
UN Office for Disaster Risk Reduction  
November 2017

Vacant and Abandoned Buildings: Hazards and Solutions  
International Association of Arson Investigators and CFITrainer.net  
February 2018

Accreditation, Certification and Certificates  
International Association of Arson Investigators and CFITrainer.net  
February, 2018

Understanding the Fire Investigator's Job: A Guide for Non-Investigators  
International Association of Arson Investigators and CFITrainer.net  
February 2018

Physical Evidence at the Fire Scene  
International Association of Arson Investigators and CFITrainer.net  
February 2018

Documenting the Event  
International Association of Arson Investigators and CFITrainer.net  
February 2018

The Importance of Electronic Evidence in Fire Cases  
International Association of Arson Investigators and CFITrainer.net  
February 2018

Motive, Means and Opportunity: Determining Responsibility in an Arson Case  
International Association of Arson Investigators and CFITrainer.net  
February 2018

Using Resources to Validate Your Hypothesis  
International Association of Arson Investigators and CFITrainer.net  
February 2018

Wildfire Management: A Look at the Thomas Fire  
American Geosciences Institute  
May 2018

Engineering Tools for Wildland Fire Investigation: Fire Pattern Indicators to  
Power Line Ignition and Safety  
International Association of Arson Investigators  
May 2018

Wildland Fire Scene Origin & Cause Investigation Methodology  
International Association of Arson Investigators  
May 2018

Wildland Fire Scene Ignition Factors & Sources  
International Association of Arson Investigators  
May 2018

An Analysis of Powerline Causation Issues in the Wildland Fire Investigation  
Context  
International Association of Arson Investigators  
May 2018

Full Community Costs of Wildfire  
Southwest Fire Science  
September 2018

Burning Piles: Effects of Pile age, Moisture, Mass and Composition on Fire  
Effects, Consumption and Decomposition  
Forest Stewards Guild  
January 2019

Utah Chapter IAAI Annual Training Seminar  
Utah Chapter of the International Association of Arson Investigators  
February 2019

Smoke, Roads, and Safety  
RT-130 Wildland Fire Safety Training Annual Refresher (WFSTAR)  
National Wildfire Coordinating Group  
March 2019

2018 Wildfire Summary  
RT-130 Wildland Fire Safety Training Annual Refresher (WFSTAR)  
National Wildfire Coordinating Group  
April 2019

Wildfire Catastrophe Modeling  
ICCR  
April 2019

Watchout Situations  
RT-130 Wildland Fire Safety Training Annual Refresher (WFSTAR)  
National Wildfire Coordinating Group  
April 2019

LCES (Lookouts, Communications, Escape Routes, and Safety Zones)  
RT-130 Wildland Fire Safety Training Annual Refresher (WFSTAR)  
National Wildfire Coordinating Group  
April 2019

Standard Firefighting Orders  
RT-130 Wildland Fire Safety Training Annual Refresher (WFSTAR)  
National Wildfire Coordinating Group  
April 2019

Camp Fire Field Tour  
California Board of Forestry and Fire Protection  
August 2019

Fuel Explosions – An Overview of Natural Gas and Propane Systems and  
How They Are Related to Fire Causes  
Canadian Association of Fire Investigators  
September 2019

Charting Your Career Path in Fire Investigation  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Fire Flow Analysis  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Understanding Undetermined  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Introduction to Youth-Set Fires  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Legal Aspects of Investigating Youth-Set Fires  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Motor Vehicles: The Engine and the Ignition, Electrical Systems, and Fuel  
Systems  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Motor Vehicles: Transmission, Exhaust, Brake and Accessory Systems  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Fire Investigation for Fire Officers  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Fundamentals of Interviewing  
International Association of Arson Investigators and CFITrainer.net  
December 2019

NFPA 1033 and Your Career  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Critical Evaluation and Testing of Commonly Reported Accidental Causes  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Residential Electrical Systems  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Residential Natural Gas Systems  
International Association of Arson Investigators and CFITrainer.net  
December 2019



Fire Chemistry  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Principles of Fire Investigation Multi-Program  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Fire Investigation for Fire Officers Multi-Program with Concentration in  
Motor Vehicles  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Fire Investigation for Fire Officers Multi-Program with Concentration in  
Youth Set Fires  
International Association of Arson Investigators and CFITrainer.net  
December 2019

Barn Fires – Causes and Methods on Investigating  
Canadian Association of Fire Investigators  
December 2019

Wildfires  
National Center for Disaster Medicine and Public Health  
January 2020

Undetermined Cause is the Beginning, Not the End  
Envista Forensics  
January 2020

Discovery in Civil Cases  
International Association of Arson Investigators and CFITrainer.net  
January 2020

Investigating Natural Gas Systems  
International Association of Arson Investigators and CFITrainer.net  
January 2020

What the Insurance Professional Needs to Know About Fire Investigation  
International Association of Arson Investigators and CFITrainer.net  
January 2020

Discovery in Criminal Cases  
International Association of Arson Investigators and CFITrainer.net  
January 2020

The Deposition Part 1: Format, Content, and Preparation  
International Association of Arson Investigators and CFITrainer.net  
January 2020

The Deposition Part 2: Questioning Tactics and Effective Responses  
International Association of Arson Investigators and CFITrainer.net  
January 2020

NFPA 921 and 1033 2014 Editions: Important Revisions  
International Association of Arson Investigators and CFITrainer.net  
January 2020

Ethics and Social Media  
International Association of Arson Investigators and CFITrainer.net  
January 2020

Introduction to Appliances  
International Association of Arson Investigators and CFITrainer.net  
January 2020

Electrical Safety  
International Association of Arson Investigators and CFITrainer.net  
January 2020

North Bay Wildfires: Lessons from the Most Destructive Fires in California  
History  
International Public Safety Association  
January 2020

2019 Hot Topics Fall Webinar  
National Wildfire Coordinating Group  
February 2020

Fire Protection Systems  
International Association of Arson Investigators and CFITrainer.net  
March 2020

Evidence Examination: What Happens at the Lab?  
International Association of Arson Investigators and CFITrainer.net  
March 2020

DNA  
International Association of Arson Investigators and CFITrainer.net  
March 2020

Investigating Fire and Explosion Incidents Involving a Line-Of-Duty Death  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Process of Elimination  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Ethical Duties Beyond the Fire Scene  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Charleston Sofa Super Store Fire  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Fundamentals of Residential Building Construction  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Arc Mapping Basics  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Managing Complex Fire Scene Investigations  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Investigating Fatal Fires  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Post-Flashover Fires  
International Association of Arson Investigators and CFITrainer.net  
April 2020

The HAZWOPER Standard  
International Association of Arson Investigators and CFITrainer.net  
April 2020

The Impact of Ventilation in Building Structures on Fire Development  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Understanding Fire Through the Candle Experiments  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Fire as a Weapon  
International Public Safety Association  
April 2020

Identifying Damage to Electrical Conductors  
Dane County Arson Response Initiative  
April 2020

Thermometry, Heat, and Heat Transfer  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Preparation for the Marine Fire Scene  
International Association of Arson Investigators and CFITrainer.net  
April 2020

Receptacle Fires  
Dane County Arson Response Initiative  
April 2020

Wildfire Mitigation and Safety  
Pacific Power  
May 2020

Timeline Analysis  
Dane County Arson Response Initiative  
May 2020

Wildland Fire Investigations  
Dane County Arson Response Initiative  
May 2020

Fire Investigation Report Writing  
Dane County Arson Response Initiative  
May 2020

Thoughts on Living with Wildfire in Canada's Forests  
Institute for Catastrophic Loss Reduction  
May 2020

Lightning Detection and Forecasting  
Forest Technology Systems  
July 2020

Wildfire Management – Practices of Prudence  
Forest Technology Systems  
July 2020

Water Mapping in Residential Structures  
UL Firefighter Safety Research Institute  
July 2020

Using Handheld 3D Scanners for Crime and Crash Scenes  
Faro Technologies  
July 2020

Fire Investigator Legal Challenges  
California Conference of Arson Investigators  
August 2020

Wildfires in Siberia  
Pau Costa Foundation  
August 2020

Investigating Fires at Federal Correctional Institutions in Canada  
Canadian Association of Fire Investigators  
August 2020

Fire Investigation Report Writing – Public Sector  
Dane County Arson Response Initiative  
September 2020

Myths and Legends in Fire Investigation  
Dane County Arson Response Initiative  
October 2020

Fire Dynamics  
Dane County Arson Response Initiative  
November 2020

Fire Pattern Persistence  
Dane County Arson Response Initiative  
December 2020

Corrugated Stainless Steel Piping  
Dane County Arson Response Initiative  
December 2020

Introduction to Wildland Fuels  
Wildland Fire Learning Portal  
January 2021

Field Observer Fire Effects Monitor  
Wildland Fire Learning Portal  
January 2021

Wildland Fire Investigation  
California Conference of Arson Investigators  
January 2021

Interview Techniques – Interviewing 101  
Canadian Association of Fire Investigators  
February 2021

Digital Evidence  
Dane County Arson Response Initiative  
February 2021

Electric & Hybrid Vehicle Design Basics  
International Association of Arson Investigators and CFITrainer.net  
February 2021

Emerging Technologies in Fire Investigation  
International Association of Arson Investigators and CFITrainer.net  
February 2021

Dane County Arson Response Initiative  
Fire Scene Photography  
February 2021

Wildfire Investigation  
Firewise Consulting Learning Academy and Institute of Fire Engineers –  
Canada Branch  
February 2021

Preventing Occupational Carcinogens at the Fire Scene  
International Association of Arson Investigators and CFITrainer.net  
February 2021

Fire Investigator Health and Safety  
International Association of Arson Investigators and CFITrainer.net  
March 2021

Impacts of Horizontal Ventilation on Fire Behavior  
UL Firefighter Safety Research Institute  
March 2021

Vehicle Fires for Fire Investigators  
Dane County Arson Response Initiative  
April 2021

Electric & Hybrid Vehicle Fires  
International Association of Arson Investigators and CFITrainer.net  
April 2021

NFPA 921 2021ed. Updates/Changes  
Dane County Arson Response Initiative  
April 2021

Update on Electrical Vehicle Fires in Canada  
Canadian Association of Fire Investigators  
April 2021

Introduction to Aircraft Crash Investigations  
Canadian Association of Fire Investigators  
June 2021

Fire Dynamics 101 – Part 1  
Canadian Association of Fire Investigators  
June 2021

Fire Dynamics 101 – Part 2  
Canadian Association of Fire Investigators  
July 2021

Firewise USA – Risk Assessment  
National Fire Protection Association  
September 2021

Forensic Anthropology and Fire Investigations  
Dane County Arson Response Initiative  
September 2021

Hero to Zero – Firefighter Arsonists  
Dane County Arson Response Initiative  
September 2021

Fires in Buildings Under Construction  
Dane County Arson Response Initiative  
November 2021

Arson Profiling/Behavioral Analysis Unit  
Dane County Arson Response Initiative  
December 2021

Fire and Life Safety Systems  
Canadian Association of Fire Investigators  
December 2021

Alternative Fuel Vehicles  
International Association of Arson Investigators and CFITrainer.net  
April 2022

Community Risk Reduction  
Dane County Arson Response Initiative  
April 2022

Fatal Fire Investigations (Case Study)  
Canadian Association of Fire Investigators  
April 2022

Fire Origin Matrix  
Dane County Arson Response Initiative  
April 2022

Internet of Things  
Dane County Arson Response Initiative  
April 2022

Lithium-Ion Battery Fires  
International Association of Arson Investigators and CFITrainer.net  
April 2022

Photovoltaic Cells & Systems  
International Association of Arson Investigators and CFITrainer.net  
April 2022



Wildland Fires and FireSmart  
Canadian Association of Fire Investigators  
July 2022

Using K9's in Fire Investigation  
Canadian Association of Fire Investigators  
May 5, 2023

IFSC Wildland Fires Webinar Series – Introduction: Part I  
International Fire Safety Research Institute  
May 19, 2023

IFSC Wildland Fires Webinar Series – Introduction: Part II  
International Fire Safety Research Institute  
May 20, 2023

IFSC Wildland Fires Webinar Series – Fire Behavior Basics: Part I  
International Fire Safety Research Institute  
May 21, 2023

IFSC Wildland Fires Webinar Series – Fire Behavior Basics: Part II  
International Fire Safety Research Institute  
May 25, 2023

IFSC Wildland Fires Webinar Series – Fire Ecology Basics  
International Fire Safety Research Institute  
May 26, 2023

IFSC Wildland Fires Webinar Series – Fire Ecology Fundamentals  
International Fire Safety Research Institute  
May 26, 2023

IFSC Wildland Fires Webinar Series – Fire and Atmosphere Interactions  
International Fire Safety Research Institute  
May 26, 2023

IFSC Wildland Fires Webinar Series – Remote Sensing of Fires  
International Fire Safety Research Institute  
May 28, 2023

IFSC Wildland Fires Webinar Series – Extreme Fire Behaviors  
International Fire Safety Research Institute  
August 5, 2023

IFSC Wildland Fires Webinar Series – Extreme and Dynamic Fire Behaviors  
International Fire Safety Research Institute  
August 5, 2023

Forensic Photography  
Canadian Association of Fire Investigators  
August 30, 2023

Personal Protective Equipment for Post-Fire Scenes  
International Association of Arson Investigators and CFITrainer.net  
February 2024

Fire Dynamics in the Wildland  
International Association of Arson Investigators and CFITrainer.net  
February 2024

Fire Effects Part 1 – Heat Effects on Fuels  
International Association of Arson Investigators and CFITrainer.net  
March 2024

Fire Effects Part 2 – Combustion By-Products Effects  
International Association of Arson Investigators and CFITrainer.net  
March 2024

Ignitable Liquid Detection Canine Teams  
International Association of Arson Investigators and CFITrainer.net  
March 2024

NFPA 1033 & 921 – 2022/2021 Editions Important Updates  
International Association of Arson Investigators and CFITrainer.net  
March 2024

Site Safety Assessments  
International Association of Arson Investigators and CFITrainer.net  
March 2024

Utility Equipment 101  
EFI Global Webinar  
April 2024

## **CONTINUING SAFETY EDUCATION**

Flammable Gases Seminar  
National Fire Protection Association  
November 1991

The Role of Warnings and Instructions  
College of Engineering, Department of Professional Engineering  
Development, University of Wisconsin  
March 1995

The Role of Hazard Analysis Techniques in Evaluating Product Safety  
College of Engineering, Department of Professional Engineering  
Development, University of Wisconsin  
April 1998

Hotel Fire Safety Act  
National Fire Protection Association  
Lodging Section Program  
November 1992

Underground Storage Tank Management - Conducting A Hydrological  
Investigation of Gasoline Tank Leakage  
Hazardous Materials and Environmental Management Conference  
March 1993

OSHA Respirator Protection Training  
Safety Unlimited, Inc.  
October 2017

A2 Respirator Basics  
ClickSafety  
October 2017

Hazardous Waste Operations and Emergency Response  
Environmental Trainers  
October 2017

Asbestos Awareness  
Environmental Trainers  
October 2017

Donning and Doffing Personal Protective Equipment  
International Association of Arson Investigators and CFITrainer.net  
March 2024

## **CONTINUING SECURITY EDUCATION**

Conducting Security Surveys  
Milwaukee Area Technical College  
October 1980

Retail Security Workshop  
Milwaukee Area Technical College  
October 1980

Civil and Criminal Law Workshop  
Milwaukee Area Technical College  
February 1981

Legal Issues  
Milwaukee Area Technical College  
August 1984

## **CONTINUING EMERGENCY MANAGEMENT EDUCATION**

Department of Homeland Security, Washington, D.C.,  
Nationwide SAR Initiative

Suspicious Activity Reporting – Emergency Management Training

Department of Homeland Security, Washington, D.C., Federal Emergency  
Management Agency, Texas A & M Engineering Extension Service

MGT 312- Senior Officials Workshop for All-Hazards Preparedness

AWR-160-W WMD/Terrorism Awareness for Emergency Responders

Department of Homeland Security, Washington, D.C.  
Federal Emergency Management Agency/Office of Emergency  
Communications

Communications Unit Leader (COML)  
Kansas City, Kansas

Auxiliary Emergency Communicator (AUXCOMM)  
Waukesha, Wisconsin

Illinois Emergency Management Agency  
Springfield, Illinois

Leadership and Influence  
Chicago, Illinois

Principles of Emergency Management  
Bloomington-Normal, Illinois

Volunteer and Donations Management  
Wheaton, Illinois

Effective Communications  
Lemont, Illinois

Emergency Planning  
Bloomington-Normal, Illinois

Homeland Security Exercise and Evaluation Program  
DeKalb, Illinois  
Tabletop Exercise Design  
Aurora, Illinois

International Association of Emergency Managers  
Falls Church, Virginia

2013 International Association of Emergency Managers Conference  
Reno, Nevada

2014 International Association of Emergency Managers Conference  
San Antonio, Texas

2015 International Association of Emergency Managers Conference  
Las Vegas, Nevada

2016 International Association of Emergency Managers Conference  
Savannah, Georgia

Illinois Emergency Services Management Association  
Evansville, Illinois

Hazard Identification and Risk Assessment (HIRA) / Threat and  
Hazard Identification and Risk Assessment (THIRA) Training

Special Needs Training – State of Illinois Standard Guide for  
Population Related Disaster Services

2014 Illinois Emergency Services Management Association Training  
Conference  
Bloomington-Normal, Illinois

2015 Illinois Emergency Services Management Association Training  
Conference  
Springfield, Illinois

2016 Illinois Emergency Services Management Association Training  
Conference  
Springfield, Illinois

FEMA Emergency Management Institute, Washington, D.C  
ISP – Independent Study Program

IS-1	Emergency Manager: An Orientation to the Position
IS-3	Radiological Emergency Management
IS-5.a	An Introduction to Hazardous Materials
IS-7	A Citizen’s Guide to Disaster Assistance
IS-15.b	Special Events Contingency Planning for Public Service Agencies
IS-22	Are You Ready? An In-Depth Guide to Citizen Preparedness
IS-29	Public Information Officer Awareness
IS-33.12	FEMA Initial Ethics Orientation 2012
IS-35.12	FEMA Safety Orientation 2012
IS-33.13	FEMA Initial Ethics Orientation 2013
IS-35.13	FEMA Safety Orientation 2013
IS-33.14	FEMA Initial Ethics Orientation 2014
IS-35.14	FEMA Safety Orientation 2014
IS-36	Multi-Hazard Planning for Childcare
IS-37	Managerial Safety and Health

IS-42	Social Media in Emergency Management
IS-55.a	Household Hazardous Materials – A Guide for Citizens
IS-100.b	Introduction to Incident Command System
IS-100.he	Introduction to Incident Command System for Higher Education for School
IS-100.leb	Introduction to the Incident Command System for Law Enforcement
IS-100.sca	Introduction to the Incident Command System for Schools and Colleges
IS-100.hcb	Introduction to the Incident Command System for Healthcare/Hospitals
IS-100.pwb	Introduction to the Incident Command System for Public Works
IS-101.c	Preparing for Federal Disaster Operations: FEMA
IS-102.c	Preparing for Federal Disaster Operations: FEMA Response Partners
IS-106.15	Workplace Violence Awareness Training
IS-120.a	An Introduction to Exercises
IS-130	Exercise Evaluation and Improvement Planning
IS-139	Exercise Design
IS-200.b	ICS for Single Resources and Initial Action Incidents
IS-201	Forms Used for the Development of the Incident Action Plan
IS-208.a	State Disaster Management
IS-212	Introduction to Unified Hazard Mitigation Assistance
IS-230.b	Fundamentals of Emergency Management

IS-230.d	Fundamentals of Emergency Management
IS-235.b	Emergency Planning
IS-240.a	Leadership & Influence
IS-240.b	Leadership & Influence
IS-241.a	Decision Making and Problem Solving
IS-241.b	Decision Making and Problem Solving
IS-242.a	Effective Communication
IS 242.b	Effective Communication
IS-265	Basic Instructional Skills
IS-271.a	Anticipating Hazardous Weather & Community Risk
IS-288	The Role of Voluntary Agencies in Emergency Management
IS-288.a	The Role of Voluntary Agencies in Emergency Management
IS-317	Introduction to Community Emergency Response Teams
IS-319	Tornado Mitigation Basics for Mitigation Staff
IS-322	Flood Mitigation Basics for Mitigation Staff
IS-328	Plan Review for Local Mitigation Plans
IS-340	Hazardous Materials Mitigation
IS-366	Planning for the Needs of Children in Disasters
IS-368	Including People with Disabilities and Others with Access and Functional Needs in Disaster Operations
IS-393.a	Introduction to Hazard Mitigation
IS-394.a	Protecting Your Home or Small Business from Disaster



IS-453	Introduction to Homeland Security Planning
IS-454	Fundamentals of Risk Management
IS-524	Continuity of Operations (COOP) Planner's Workshop
IS-545	Reconstitution Planning Course
IS-546.12	Continuity of Operations Awareness Course
IS-547.a	Introduction to Continuity of Operations
IS-551	Devolution Planning
IS-559	Local Damage Assessment
IS-613	Technical Writing
IS-619	Research in Training and Education
IS-632.a	Introduction to Debris Operations
IS-660	Introduction to Public-Private Partnerships
IS-700.a	National Incident Management System (NIMS:) An Introduction
IS-703.a	NIMS Resource Management
IS-704	NIMS Communications and Information Management
IS-775	EOC Management and Operations
IS-800.b	National Response Framework: An Introduction
IS-802	Emergency Support Function (ESF) #2 – Communications
IS-805	Emergency Management
IS-830	Introduction to NRF Annexes
IS-907	Active Shooter: What You Can Do

IS-909 Community Preparedness: Implementing Simple  
Activities for Everyone

IS-910 Emergency Management Preparedness Fundamentals

Emergency Management Magazine  
Folsom, California

2013 Emergency Management Summit  
Chicago, Illinois

2014 Emergency Management Summit  
Chicago, Illinois

2015 Emergency Management Summit  
Chicago, Illinois

College of DuPage Homeland Security Education Center  
Glen Ellyn, Illinois

London Riots and Bombing Response and Recovery Workshop

## **CONTINUING EMERGENCY COMMUNICATIONS EDUCATION**

Department of Homeland Security, Washington, D.C.  
Federal Emergency Management Agency/Office of Emergency  
Communications

E0969 NIMS ICS All-Hazards Communications Unit Leader  
(COML)

L0146 Homeland Security Exercise and Evaluation Program  
(HSEEP) Course

Department of Homeland Security, Washington, D.C.  
Office of Emergency Communications / Interoperable Communications  
Technical Assistance Program

Auxiliary Emergency Communications  
American Radio Relay League, Newington, CT  
CEP - Continuing Education Program

EC-001 Introduction to Emergency Communications

EC-002	Intermediate Emergency Communications
EC-003	Advanced Emergency Communications
EC-008	VHF/UHF – Life Beyond the Repeater
EC-015	Public Information Officer
EC-016	Public Service and Emergency Communications Management for Radio Amateurs
ARRL 1247	Digital Technology for Emergency Communications

## **CONTINUING SEVERE WEATHER MITIGATION EDUCATION**

National Weather Service, Romeoville, IL  
Severe Weather Spotter Training

eSpotter Introduction Training  
Severe Weather Spotter Training – Annually

National Science Foundation National Center for Atmospheric Research,  
Boulder, CO  
University Corporation for Atmospheric Research

Role of the SKYWARN Spotter  
SKYWARN Spotter Convective Basics

SKYWARN Spotter Training  
Anticipating Hazardous Weather & Community Risk

FEMA Emergency Management Institute, Washington, D.C.  
Independent Study Program

IS-319 Tornado Mitigation Basics for Mitigation Staff

DuPage County Office of Homeland Security and Emergency Management,  
Wheaton, IL  
Advanced Severe Weather Seminar

Advanced Severe Weather Seminar – Annually

Amateur Radio Relay League  
Newington, CT  
Hurricane Season Webinar

Hurricane Season Webinar - Annually

## **INSTRUCTIONAL POSITIONS**

Adler University  
Emergency Management Leadership Program  
Program Director/Professor

Adler School of Professional Psychology  
Police Psychology Program  
Professor

Quality Matters  
Maryland Online  
Peer Reviewer

American Radio Relay League  
Emergency Communications  
Certified Emergency Communications Field Instructor

American Radio Relay League  
Emergency Communications  
On-Line Instructional Mentor

American Radio Relay League  
Emergency Communications  
Certified Emergency Communications Field Examiner

State of Wisconsin  
Board of Vocational, Technical and Adult Education  
Fire Service Instructor I

State of Wisconsin  
Board of Vocational, Technical and Adult Education  
Fire Service Instructor II

William Rainey Harper College  
Fire Science  
Adjunct Instructor

Milwaukee Area Technical College  
Police Science Technology  
Adjunct Instructor

Milwaukee Area Technical College  
Fire Science Technology  
Adjunct Instructor

## **CONTINUING INSTRUCTIONAL METHODOLOGY EDUCATION**

Higher Learning Commission  
Continuing Education  
Workshop on Student Persistence and Completion

Higher Learning Commission  
Continuing Education  
Workshop on Assessment of Student Learning

State of Wisconsin  
Board of Vocational, Technical and Adult Education  
Instructional Methodology

Federal Emergency Management Agency  
Emergency Management Institute  
Basic Instructional Skills

Federal Emergency Management Agency  
Emergency Management Institute  
Research in Training and Education

American Radio Relay League  
Continuing Education Program  
Certified Emcomm Field Instructor

National Association of Fire Investigators  
National Certification Board  
Fire Investigation Instruction

Quality Matters Program  
Maryland Online  
Applying the Quality Matters Rubric Course

Quality Matters Program  
Maryland Online  
Peer Reviewer Course

Adler University  
Adler Online  
Online Technology and Pedagogy Training Course

Quality Matters Program  
Maryland Online  
2014 Quality Matters Rubric Update Course  
Quality Matters Program  
Maryland Online  
Professional and Continuing Education Review Course

Quality Matters Program  
Maryland Online  
Master Reviewer Course

## **INSTRUCTIONAL POSITIONS – ENGAGEMENT SPECIFIC**

Fire/Arson Detection  
United States Fire Administration's National Fire Academy Field Program  
Chief Instructor  
October 1984

Fire/Arson Detection  
United States Fire Administration's National Fire Academy Field Program  
Chief Instructor  
March 1985

Arson Investigation  
Milwaukee Area Technical College  
Exclusive Instructor  
March 1986

Fire/Arson Detection  
United States Fire Administration's National Fire Academy Field Program  
Exclusive Instructor  
May 1986

5th Annual Midwest Conference – Fire Investigation Training Resources  
International Society of Fire Service Instructors  
Instructor  
September 1986

25th Annual Conference – Fire Investigation Training Resources  
Wisconsin Society of Fire Service Instructors  
Instructor  
February 1987

Arson Investigation  
Milwaukee Area Technical College  
Exclusive Instructor  
March 1987

Fire/Arson Detection  
United States Fire Administration's National Fire Academy Field Program  
Exclusive Instructor  
March 1987

Textiles for Interiors Course – Fire Safety Considerations in Interior Design  
Milwaukee Area Technical College  
Guest Instructor  
March 1987

Arson Investigation  
Milwaukee Area Technical College  
Exclusive Instructor  
March 1988

Arson Investigation  
Milwaukee Area Technical College  
Exclusive Instructor  
April 1988

Quarterly Training Seminar – Incendiary Fire Devices  
Wood County Fire Investigation Task Force  
Guest Instructor  
April 1988

Annual Training Seminar – Incendiary Fire Devices  
Marquette County Firemen's Association  
Guest Instructor  
April 1988

Regional Training Seminar – Firefighter's Role in Fire Investigation  
Grand Rapids Fire Department  
Guest Instructor  
October 1988

Arson Investigation  
Milwaukee Area Technical College  
Exclusive Instructor  
March 1989

Arson Investigation  
Milwaukee Area Technical College  
Exclusive Instructor  
April 1989

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
August 1989

National Conference on Fire Investigation Instruction  
Primary Instructor  
National Association of Fire Investigators  
January 1990

Arson Investigation  
Milwaukee Area Technical College  
Exclusive Instructor  
March 1990

Fire Investigation Course for Professional Development  
Eastern Kentucky University  
Primary Instructor  
March 1990

Fire Investigation Training Seminar  
University of Southern Mississippi  
Primary Instructor  
June 1990

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
August 1990



Fire Litigation and Explosion Investigation Training Seminar  
HMR Fire Technology Institute  
Primary Instructor  
September 1990

1st Annual Fire and Explosion Investigation Training Program  
Sacramento County Fire Investigation Unit  
Primary Instructor  
November 1990

Fire Investigation Course for Professional Development  
Eastern Kentucky University  
Primary Instructor  
April 1991

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
August 1991

Arson Investigation  
Milwaukee Area Technical College  
Exclusive Instructor  
February 1992

Fire Investigation Course for Professional Development  
Eastern Kentucky University  
Primary Instructor  
March 1992

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
August 1992

Public Defender's Conference – Fire Investigation  
State of Wisconsin Public Defender's Office  
Guest Instructor  
October 1992

Fire Science and Technology Educator's Section Program  
National Fire Protection Association  
Primary Instructor  
November 1992

FPETool and Hazard I User's Conference  
National Institute of Standards and Technology  
Guest Instructor  
October 1992

Fire Investigation Course for Professional Development  
Eastern Kentucky University  
Primary Instructor  
March 1993

Regional Training Program  
Northern Illinois Arson Task Force  
Guest Instructor  
April 1993

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
August 1993

Conference on Community College Fire Science and Technology Core  
Curriculum  
National Fire Protection Association  
Guest Instructor  
September 1993

Advanced Arson Investigation Seminar  
Denver Fire Department Arson Squad  
Guest Instructor  
March 1994

Fire Investigation Course for Professional Development  
Eastern Kentucky University  
Primary Instructor  
March 1994

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
August 1994

Rocky Mountain Fire, Arson, and Explosion Investigation Training Program  
Aurora Fire Department  
Primary Instructor  
January 1995

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
August 1995

Annual Training Seminar  
Washington State Chapter of the International Association of Arson  
Investigators  
Guest Instructor  
September 1995

Annual Training Seminar  
Colorado Association of Property and Evidence Technicians  
Guest Instructor  
September 1995  
Fire Science and Technology Educator's Section Program  
National Fire Protection Association  
Primary Instructor  
November 1995

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 1995

National Advanced Fire, Arson, and Explosion Investigation Training  
Program  
Eastern Kentucky University  
Primary Instructor  
March 1996

National Advanced Fire, Arson, and Explosion Investigation Training  
Program  
Eastern Kentucky University  
Primary Instructor  
March 1997

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
July 1997

Texas Fire, Arson, and Explosion Investigation Training Symposium  
Missouri City Fire Department, Texas A & M University  
Primary Instructor  
September 1997

Annual Training Seminar  
Wisconsin Arson Insurance Council  
Guest Instructor  
November 1997

Annual Fire Investigation Training Program  
Burlington County, New Jersey Arson Task Force  
Guest Instructor  
January 1997

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
July 1998

Annual National Training Program  
Crawford Company Special Investigation Unit  
Primary Instructor  
August 1998

Texas Fire, Arson, and Explosion Investigation Training Symposium  
Missouri City Fire Department and Texas A & M University  
Primary Instructor  
August 1998

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
November 1998

National Seminar on Fire Analysis Litigation  
National Association of Arson Investigators  
Instructor  
January 1999

National Advanced Fire, Arson, and Explosion Investigation Training  
Program  
Eastern Kentucky University  
Primary Instructor  
April 1999

Florida Fire & Explosion Investigation Symposium  
National Association of Fire Investigators  
Primary Instructor  
July 1999

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
August 1999

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
November 1999

National Seminar on Fire Analysis Litigation  
National Association of Fire Investigators  
Instructor  
January 2000

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
November 2000

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Instructor  
August 2001

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2001

National Advanced Fire, Arson, and Explosion Investigation Training  
Program  
Eastern Kentucky University  
Instructor  
April 2002

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Instructor  
August 2002

National Seminar on Fire Analysis Litigation  
National Association of Fire Investigators  
Instructor  
January 2002

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
Instructor  
September 2002

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2002

National Fire, Arson, and Explosion Investigation Training Program  
Eastern Kentucky University  
Instructor  
August 2003

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
Instructor  
October 2003

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2003

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Instructor  
August 2004

National Advanced Fire, Arson, and Explosion Investigation Training  
Program  
National Association of Fire Investigators  
Instructor  
March 2004

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
Instructor  
September 2004

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2004

National Advanced Fire, Arson, and Explosion Investigation Training  
Program  
Eastern Kentucky University  
Instructor  
March 2005

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Instructor  
August 2005

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
Instructor  
September 2005

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Instructor  
October 2005

Motor Vehicle Fire Investigation – A Primer  
Elgin Regional Fire Academy  
Exclusive Instructor  
May 2006

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Instructor  
August 2006

Compartment Fire Dynamics and Advanced Fire Pattern Analysis – Origin  
Determination Utilizing Heat and Flame Vector Analysis  
Marengo, Illinois Fire Department  
Exclusive Instructor  
September 2006

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2006

National Advanced Fire, Arson, and Explosion Investigation Training  
Program  
Eastern Kentucky University  
Instructor  
March 2007

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Instructor  
August 2007

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
Instructor  
September 2007

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2007

Introduction to Emergency Communications  
American Radio Relay League  
Exclusive Instructor  
January 2008

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Instructor  
March 2008

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2008



Saudi Aramco Fire, Arson, and Explosion Investigation Training Program  
Trace Fire Safety Consultants  
Primary Instructor  
November 2008

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Instructor  
March 2009

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
Instructor  
September 2009

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2009

Introduction to Emergency Communications  
American Radio Relay League  
Exclusive Instructor  
January 2010

National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Instructor  
March 2010

Saudi Aramco Fire, Arson, and Explosion Investigation Training Program  
Trace Fire Safety Consultants  
Primary Instructor  
August 2010

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2010

Fire Investigation Training Program for the United States Consumer Product  
Safety Commission  
Eastern Kentucky University  
Primary Instructor  
December 2010

Central Zone Annual Training Conference  
Central Illinois Fire Investigators Association  
Guest Instructor  
April 2011

Vehicle Fire, Arson and Explosion Investigation Science and Technology  
Seminar  
National Association of Fire Investigators  
Instructor  
September 2011

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2011

Northern Zone Fire Investigation Seminar  
Illinois Chapter of the International Association of Arson Investigators  
Instructor  
January 2012

29<sup>th</sup> Annual Fire Investigation Training Conference  
Illinois Chapter of the International Association of Arson Investigators  
Instructor  
September 2012

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2012

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2013

Psychology of Leadership  
City of Chicago Police Academy  
January 2014

Introduction to the Incident Command System  
DuPage County Amateur Radio Emergency Service  
Primary Instructor  
January 2014

ICS for Single Resources and Initial Action Incidents  
DuPage County Amateur Radio Emergency Service  
Primary Instructor  
May 2014

Technical Standards and Safety Administration Fire Investigation Seminar  
Trace Fire & Safety  
Primary Instructor  
September 2014

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2014

National Incident Management System (NIMS): An Introduction  
DuPage County Amateur Radio Emergency Service  
Primary Instructor  
October 2014

National Response Framework (NRF): An Introduction  
DuPage County Amateur Radio Emergency Service  
Primary Instructor  
November 2014

Introduction to the Incident Command System  
DuPage County Amateur Radio Emergency Service  
Primary Instructor  
March 2015

Incident Command System for Single Incident and Initial Action  
DuPage County Amateur Radio Emergency Service  
Primary Instructor  
July 2015

Canadian National Fire, Arson, and Explosion Investigation Training Program  
National Association of Fire Investigators  
Primary Instructor  
October 2015

Motor Vehicle Fire Investigation – A Primer  
Elgin Fire Department  
Exclusive Instructor  
October 2017

Origin Determination/Introduction to Heat and Flame Vector Analysis  
Utah Chapter IAAI Annual Training Seminar  
Utah Chapter of the International Association of Arson Investigators  
February 2019

## RECENT ACADEMIC PRESENTATIONS

*Bringing Social Justice to Emergency Management Leadership*  
Adler University  
Chicago, Illinois

*Changing Landscape of Emergency Management*  
Adler University  
Chicago, Illinois

*Emergency Management Leadership*  
Adler University  
Chicago, Illinois

*Bringing Social Justice to Emergency Management*  
Adler University  
Chicago, Illinois

*Emergency Management and the Role of Higher Education*  
Adler University  
Online Webinar

*Evolution of Emergency Management in a Global Society*  
Association of Threat Assessment Professionals  
Chicago, Illinois

*Impact/Interventions: Crises and Disasters for People with Disabilities*  
Adler University  
Chicago, Illinois

*Emergency Management Strategies: Crises and Disasters for People with Disabilities*  
Adler University  
Chicago, Illinois

*Strategic Planning: Goal Setting*  
Chicago Chapter - Association of Threat Assessment Professionals  
Chicago, Illinois

*Industrial Security and Emergency Management – A Necessary Partnership*  
Chicago Chapter – American Society for Industrial Security  
Chicago, Illinois

*Safeguarding the Psychological Well-Being and Mental Health of Your  
Personnel: Strategies and Interventions*  
Illinois Emergency Services Management Association  
Springfield, Illinois

*Safeguarding the Psychological Well-Being and Mental Health of Your  
Personnel: Strategies and Interventions*  
Hanover Park Township Emergency Services  
Bartlett, Illinois

## **PROFESSIONAL PAPERS, PUBLICATIONS AND ARTICLES**

*The Dispatcher*  
Badger Firemen's Association  
Previous Monthly Contributor

*The National Fire Investigator*  
Journal of the National Association of Fire Investigators  
Previous Editor and Regular Contributor

National Fire Code NFPA 907M, entitled *Manual for the Determination of  
Electrical Fire Causes*  
National Fire Protection Association  
Previous Committee Member

National Fire Code NFPA 921, 1992 Edition, entitled *Guide for Fire and  
Explosion Investigations*  
National Fire Protection Association  
Previous Committee Member

National Fire Code NFPA 921, 1995 Edition, entitled *Guide for Fire and  
Explosion Investigations*  
National Fire Protection Association  
Previous Committee Member

National Fire Code NFPA 921, 1998 Edition, entitled *Guide for Fire and  
Explosion Investigations*  
National Fire Protection Association  
Previous Committee Member

National Fire Code NFPA 921, 2014 Edition, entitled *Guide for Fire and Explosion Investigations*  
National Fire Protection Association  
Previous Committee Member

National Fire Code NFPA 921, 2017 Edition, entitled *Guide for Fire and Explosion Investigations*  
National Fire Protection Association  
Previous Committee Member

*Introduction to Fire Origin and Cause*, 3<sup>rd</sup> Edition  
International Fire Service Training Association  
Previous Committee Member

*Fire Investigator*, 2<sup>nd</sup> Edition  
International Fire Service Training Association  
Previous Committee Member

*Introduction to Fire Origin and Cause*, 4<sup>th</sup> Edition  
International Fire Service Training Association  
Previous Committee Member

*The Virtues of the Online/Face-to-Face Blend in Emergency Management Higher Education*  
Illinois Cops Magazine

*Experts: Emergency Management and Disaster Response Must Address Psychological Trauma and Mental Health*  
USA Today Homeland Security Special Edition

*Fire Investigator*, 3<sup>rd</sup> Edition  
International Fire Service Training Association  
Previous Committee Member

## **PROFESSIONAL PUBLICATIONS AND JOURNALS SUBSCRIPTIONS**

*The National Fire Investigator*  
Journal of the National Association of Fire Investigators (NAFI)

*The Fire and Arson Investigator*  
Publication of the International Association of Arson Investigators (IAAI)

*The NFPA Journal*  
Journal of the National Fire Protection Association (NFPA)

*Wildfire Magazine*  
International Association of Wildland Fire

## **PROFESSIONAL AWARDS/ACHIEVEMENTS**

Certification of Appreciation for Valuable Contributions  
Adler School of Professional Psychology

John Charles Wilson Scholarship Award  
International Association of Arson Investigators

Firefighter of the Year  
Ozaukee County Association of Fire Departments  
Common Council Official Resolution 86-19  
City of Cedarburg, Wisconsin

Honorable Mention for the Firefighter of the Year Award  
Badger Firemen's Association

Fire Safety Education Award  
Cedarburg Fire Department

Official Citation for Exemplary Service  
Cedarburg Police Department

Kentucky Colonel  
Governor Wallace G. Wilkinson  
Commonwealth of Kentucky

Man of the Year Award  
National Association of Fire Investigators

Material Review Committee Service Plaque  
Introduction to Fire Origin and Cause, 3<sup>rd</sup> Edition  
International Fire Service Training Association

Material Review Committee Service Plaque  
Fire Investigator, 2<sup>nd</sup> Edition  
International Fire Service Training Association

Material Review Committee Service Plaque  
Introduction to Fire Origin and Cause, 4<sup>th</sup> Edition  
International Fire Service Training Association

Instructional Service Award Plaque  
Central Illinois Fire Investigator's Association

Board of Director's Award  
Illinois Chapter of the International Association of Arson Investigators

Official Emergency Station (OES)  
American Radio Relay League  
Field Organization

Public Information Officer (PIO)  
American Radio Relay League  
Field Organization

## **PROFESSIONAL AFFILIATION COMMITTEE ASSIGNMENTS**

International Fire Service Training Association

Validation Committee for *Fire Investigator*

International Fire Service Training Association

Validation Committee for *Fire Origin and Cause*

National Fire Protection Association (NFPA)

Technical Committee on Fire Investigations

## **PROFESSIONAL AFFILIATIONS**

National Fire Protection Association (NFPA)

International Code Council (ICC)

American Society of Safety Engineers (ASSE)

American Society for Public Administration (ASPA)

National Fire Academy Alumni Association (NFAAA)

National Association of Fire Investigators (NAFI)

International Association of Arson Investigators (IAAI)



Illinois Chapter of International Association of Arson Investigators (IL-IAAI)

California Conference of Arson Investigators (CCAI)

Canadian Association of Fire Investigators (CAFI)

International Association of Wildland Fire (IAWF)

Society of Fire Protection Engineers (SFPE)

American Society of Safety Professionals (ASSP)

American Society for Testing and Materials (ASTM)

Society of Automotive Engineers (SAE)

American Radio Relay League (ARRL)

Honorable Order of the Kentucky Colonels

American Society of Mechanical Engineers

## **ACADEMIC AFFILIATIONS**

Phi Kappa Phi Honors Society

University of Cincinnati Alumni Association

Eastern Kentucky University Alumni Association

Eastern Kentucky University College of Justice & Safety Alumni Society

**Subject to Change Without Notice**