

Michael J. Schulz, M.S.

President/Principal Consultant

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Curriculum Vitae

June 1, 2023

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, and Washington 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
- Kincade 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

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

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 Investigators
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

29th 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

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

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 Child Care
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

29th 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, 3rd Edition
International Fire Service Training Association
Previous Committee Member

Fire Investigator, 2nd Edition
International Fire Service Training Association
Previous Committee Member

Introduction to Fire Origin and Cause, 4th 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, 3rd 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, 3rd Edition
International Fire Service Training Association

Material Review Committee Service Plaque
Fire Investigator, 2nd Edition
International Fire Service Training Association

Material Review Committee Service Plaque
Introduction to Fire Origin and Cause, 4th 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

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