**Michael J. Schulz, M.S.**

***President/Principal Consultant***

**M.J. Schulz & Associates, Inc.** Telephone – (800) 310-2891

915 Highland Pointe Drive Facsimile – (800) 310-1507

Suite 250 Cell – (630) 258-9472

Roseville, California 95678 Email – mjschulz@mjschulz.com

**Curriculum Vitae**

**January 1, 2020**

**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-one years and has consulted in the United States, Canada, Mexico, Puerto Rico and Europe. During that forty-one-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 is currently pursuing his Doctor of Philosophy (Ph.D.) in Public Policy and Administration with a specialization in Emergency Management from Walden University.

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 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.

More recently, 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 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, July, 2013
* Witch Creek Fire, San Diego County, 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, July, 2017
* Tubbs Fire, Napa/Sonoma County, October, 2017
* Redwood Valley Fire, Mendocino County, October 2017
* Atlas Fire, Napa County, October, 2017
* Sulphur Fire, Lake County, October, 2017
* Cascade Fire, Yuba County, October, 2017
* Cherokee Fire, Butte County, October, 2017
* Patrick Fire, Napa County, October, 2017
* Nuns Fire, Napa County, October, 2017
* LaPorte Fire, Butte County, October, 2017
* Lobo Fire, Butte County, October, 2017
* McCourtney Fire, Butte County, October 2017
* Honey Fire, Butte County, October 2017
* Pocket Fire, Sonoma County, October, 2017
* Pythian Fire, Sonoma County, October 2017
* 37 Fire, Sonoma County, October, 2017
* Camp Fire, Butte County, 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 Southern California over a period of two years. Those incidents include:

* Mission Fire/Madera County, September, 2017
* Thomas Fire, Ventura County, December, 2017
* Koenigstein Fire, Ventura County, December, 2017
* Creek Fire, Los Angeles County, December, 2017
* Holiday Fire, Santa Barbara County, July, 2018
* Woolsey Fire, Ventura County, October, 2018
* Getty Fire, Los Angeles County, October, 2019

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**

 Walden University, Minneapolis, MN

 Pending – Doctor of Philosophy (PhD) in Public Policy and Administration – Emergency Management

 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

 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

 Adler University, Chicago, Illinois

 Professor/Program Director

 Emergency Management Leadership Program

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

 John A. Kennedy & Associates, Inc., Hoffman Estates, Illinois

 Senior Staff Expert

 Private Consulting Firm

Cedarburg Police Department, Cedarburg, Wisconsin

 Municipal Police Officer Municipal Police Department

Cedarburg Fire Department, Cedarburg, Wisconsin

 Captain – Fire Prevention Company

 Municipal Fire Department

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/Manager

 License Number A 10054

 Department of Public Safety

 State of Texas

**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

 Federal Communications Commission, Washington, D.C.

 Club: Call Sign – W9DPA

 FRN 009322181

**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 Association of Fire Service Instructors

 Principal Committee Member

 Fire Investigator Material Review Committee

 International Association of Fire Service Instructors

 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, 199

 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

 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

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

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

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 – Am 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

**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 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

 Committee Member

National Fire Code NFPA 921, 1992 Edition, entitled *Guide for Fire and Explosion Investigations*

 National Fire Protection Association

 Committee Member

 National Fire Code NFPA 921, 1995 Edition, entitled *Guide for Fire and Explosion Investigations*

National Fire Protection Association

 Committee Member

 National Fire Code NFPA 921, 1998 Edition, entitled *Guide for Fire and Explosion Investigations*

National Fire Protection Association

 Committee Member

National Fire Code NFPA 921, 2014 Edition, entitled *Guide for Fire and Explosion Investigations*

National Fire Protection Association

 Committee Member

National Fire Code NFPA 921, 2017 Edition, entitled *Guide for Fire and Explosion Investigations*

National Fire Protection Association

Committee Member

 *Introduction to Fire Origin and Cause*, 3rd Edition

 International Fire Service Training Association

 Committee Member

*Fire Investigator, 2nd Edition*

 International Fire Service Training Association

 Committee Member

 *Introduction to Fire Origin and Cause*, 4th Edition

 International Fire Service Training Association

 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

 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)

**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)

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)

 Society of Fire Protection Engineers (SFPE)

American Society for Testing and Materials (ASTM)

 Society of Automotive Engineers (SAE)

American Radio Relay League (ARRL)

Honorable Order of the Kentucky Colonels

**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**