



# Associated Fire Consultants, Incorporated

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Tucson, Arizona 85741-2233  
520.579.5548  
Fax 520.579.5232  
www.assocfire.com

## CURRICULUM VITA DAVID M. SMITH, C.F.I.

### EMPLOYMENT

September 1981 - Present

Associated Fire Consultants, Inc. - President  
Fire and explosion causation, thermal dynamics, expert testimony and arson consultation

September 1971 - 1981

Tucson Police Department - Detective, Arson Unit  
Fire and bomb scene investigation, case follow-up and rendering safe explosive/incendiary devices

July 1970 - September 1971

Tucson Police Department - Detective, Juvenile Unit  
Child abuse and sexual assault investigation

April 1968 - July 1970

Tucson Police Department - Officer, Uniform Patrol Division  
Initial investigation of crimes and apprehension of suspects

February 1967 - April 1968

Valley National Bank - Paying and Receiving Teller, Bookkeeping and Vault Teller

July 1966 - February 1967

U.S. Marine Corps Reserve, Active Duty - Basic training, infantry training and demolition training.

### SPECIAL SKILLS

Investigation of fires and explosions throughout the United States, Canada, Mexico and Australia

Expert trial testimony in federal and state courts on fire and explosion causation on over one hundred fifty occasions

Expert testimony - human skin burn patterns

Expert testimony - arson motivation

Expert testimony - fire dynamics

Instrumental in writing and obtaining three federal grants in arson control, amount exceeds \$700,000.

Certified Fire Investigator - International Association of Arson Investigators (I.A.A.I.)

Certified Fire Investigator - 1033 Standard - National Board of Fire Service Professional Qualifications.

### **FIRE/EXPLOSIVE INVESTIGATION COURSES**

1971	Department of Justice Huntsville, Alabama	-3 weeks
1973	Department of Justice Huntsville, Alabama	-1 week
1974	California Arson Academy San Jose, California	-1 week
1977	Michigan Fire School Lansing, Michigan	-1 week
1978	Advanced Arson School Anaheim, California	-1 week
1979	Advanced Arson School Williamsburg, Virginia	-1 week
1979	Arson Investigation F.B.I. National Academy Quantico, Virginia	-1 week
1981	Advanced Arson School Cherry Hill, New Jersey	-1 week
1981	Advanced Fire Investigations Flagstaff, Arizona	-1 week
1982	Missouri Fire School St. Louis, Missouri	-1 week
1982	Advanced Fire Investigations Flagstaff, Arizona	-1 week
1983	Advanced Techniques in Arson Investigation Tucson, Arizona	-1 week
1984	Fire Investigation Techniques Clearwater, Florida	-1 week
1985	Advanced Fire Investigation Vancouver, British Columbia, Canada	-1 week
1986	Advanced Techniques in Fire Investigations	

	Atlanta, Georgia	-1 week
1987	Fire Investigation Techniques Las Vegas, Nevada	-1 week
1988	Accidental Fire Cause Seminar Niagara Falls, New York	-1 week
1989	Fire and Arson Training School Clearwater, Florida	-1 week
1990	Fire and Arson Investigation Dearborn, Michigan	-1 week
1990	Fire Investigation Sydney, Australia	-1 week
1991	Dynamics of Fire Investigation in the >90's New Orleans, Louisiana	-1 week
1992	Fire and Arson Investigation Minneapolis, Minnesota	-1 week
1993	Fire Investigation Techniques Auckland, New Zealand	-1 week
1995	Fire Investigation 2000 Los Angeles, California	-1 week
1995	Principles of Fire Protection Engineering Reno, Nevada	-1 week
1997	A Team Approach to Fire Investigation Toronto, Canada	-1 week
1998	Fire and Arson Investigation Portland, Oregon	-1 week
1999	Fire Investigation 2000 Las Vegas, Nevada	-1 week
2000	51st Annual Conference & Seminar Grand Rapids, Michigan	-1 week
2001	52nd Annual Conference & Seminar Atlantic City, New Jersey	-1 week
2003	Fire Investigation Technique Reno, Nevada	-1 week
	1971 to Present - Various 4-24 hour workshops	
2005	Advanced Arson Training Santa Fe, New Mexico	-1 week

### **INSTRUCTOR**

Alaska Chapter I.A.A.I.  
American Home Appliance Association  
Arizona Fire School

Arizona Chapter I.A.A.I.  
Arizona Department of Education  
Arizona Law Enforcement Training

Academy  
Arizona Prosecuting Attorneys= Advisory  
Council  
Arizona State Fire Marshal=s Office  
Bureau of Alcohol, Tobacco and  
Firearms  
California District Attorney=s Association  
Central Arizona Community College  
Cochise College  
Farmers Insurance Group  
Federal Bureau of Investigations  
Federal Law Enforcement Training  
Center - Georgia  
Gardiner Associates  
Glendale College  
Illinois Association of Arson Investigators  
Illinois Chapter I.A.A.I.  
Insurance Committee for Arson Control  
International Association of Arson  
Investigators (I.A.A.I.)  
International Association of Fire Chiefs  
International Society of Fire Service  
Instructors  
Iowa Chapter I.A.A.I.  
Law Enforcement Training Network  
Maryland/DC Chapter I.A.A.I.  
National Arson Forum  
National Association of Legal  
Investigators  
National Legislation Conference on  
Arson  
National Parks Service Academy

New South Wales Australia Chapter  
I.A.A.I.  
New Zealand Chapter I.A.A.I.  
New Mexico Chapter I.A.A.I.  
Northern Arizona University  
Oklahoma Chapter I.A.A.I.  
PARCO/I.A.A.I. - Clearwater, FL  
Pima College  
Rio Salado College  
South Pacific Arson Seminar - Auckland,  
New Zealand  
Southern Arizona Law Enforcement  
Academy  
State Farm Fire and Casualty  
Tennessee Chapter I.A.A.I.  
Texas Chapter I.A.A.I.  
Texas District and County Attorneys  
Association  
Tucson Fire Training Center  
Tucson Police Department  
U.S. Naval Marine Corps Fire Protection  
Association  
University of Arizona  
Utah Chapter I.A.A.I.  
Virginia Chapter I.A.A.I.  
Virginia State Police  
West Virginia Chapter I.A.A.I.  
Wisconsin Chapter I.A.A.I.  
Yavapai College  
Teaching Certification (Arizona) in Arson  
Investigation and Physical Evidence

## CONSULTANT

### GOVERNMENT

Arizona Department of Public Safety  
Bureau of Alcohol, Tobacco & Firearms  
City of Casa Grande, Arizona  
City of Nogales, Arizona  
City of Scottsdale, Arizona  
City of Tucson, Arizona  
City of Vancouver, Washington  
Clark County, Nevada  
Cochise County, Arizona  
Coconino County, Arizona  
District Attorney=s Office, Nevada  
Federal Bureau of Investigation  
Federal Public Defender, Nevada,  
New Mexico, Tennessee, Utah  
Graham County  
Maricopa County, Arizona

Mojave County, Arizona  
Municipality of Wood Buffalo, Alberta,  
Canada  
National Institute of Justice  
National Institute of Standards and  
Technology  
Pima County, Arizona  
Pinal County, Arizona  
Santa Cruz County, Arizona  
U.S. Air Force  
U.S. Army  
U.S. Consumer Product Safety Commission  
U.S. Department of Defense  
U.S. Department of Justice  
Yavapai County, Arizona  
Yuma County, Arizona

## **INSURANCE COMPANIES**

In excess of seventy companies in the United States, Canada, Mexico and Australia.

## **PRIVATE CORPORATIONS**

In excess of twenty corporations throughout the United States involving the fuel gas, automobile, utility, mining, electronics and construction industries.

## **ORGANIZATIONS**

Aetna Award for Excellence Steering Committee 1989 - 1990  
American Gas Association  
Arizona Arson Advisory Committee on Arson Prevention 1979 - 1985 (Chairman, 1981 - 1983)  
Arizona Justice Planning Agency (Arson Steering Committee)  
Arizona State Fire Training Committee 1975 - 1986  
Benevolent and Protective Order of Elks 1980 - Present  
Catalina Family Medical Center Board of Directors 1996 - 1999  
Catalina Village Council 1994 - 1998 (Chair, 1995-1998)  
Congressional Fire Services Institute - Advisory Board 1989 - 1990  
F.B.I. Bomb Data Center 1971 - 1981  
Fraternal Order of Police 1968 - 1981  
Government Certified Bomb Technician  
Governor=s Commission on Judicial Trial Appointments 1998 - Present  
I.A.A.I. 1976 - Present (Director, 1982 - 1987), (Vice President, 1987 - 1989), (President, 1989 - 1990) (Past President, 1990 - Present)  
I.A.A.I. Budget & Finance Committee (Co-Chair, 1987 - 1988), (Chair, 1988 - 1989)  
I.A.A.I. Committee Coordinator 1987 - 1988  
I.A.A.I. Education and Training Committee 1981 - 1982  
I.A.A.I. Ethical Practice Committee 1983 - 1990  
I.A.A.I. Fire Investigation Standards Committee 1995 - 2001 (Chair, 2000-2001)  
I.A.A.I. International Chapter Committee 1983 - 1992 (Chair, 1985 - 1987)  
I.A.A.I. Arizona Chapter 1977 - Present (President, 1981 and 1987)  
I.A.A.I. Nevada Chapter 1991 - Present  
I.A.A.I. Organized Crime Committee 1979 - 1983  
I.A.A.I. Past Presidents= Council 1990 - Present (Chair, 1990)  
I.A.A.I. Professional Certification Committee 1984 - 1985  
I.A.A.I. Seminar Site & Planning Committee 1981, 1984 - 1985 (Co-Chair, 1987 - 1988), (Chair, 1988 - 1989)  
I.A.B.T.I. 1971 - 1980 (State Secretary, 1972)  
International Fire Service Training Association 1989 - Present  
Joint National Council of Fire Service Organizations 1989 - 1990  
National Association of Fire Investigators 1997 - Present  
National Association of Subrogation Professionals 2002  
National Arson Forum 1989  
National Center for Forensic Science - Technical Working Group for Fire and Explosion 1999 - Present  
National Fire Protection Association 1985 - Present  
N.F.P.A. Technical Committee on Fire and Explosion Investigation 1992 - Present  
Pima Youth Partnership - Board of Directors 1996 - 2001 (President 1999 - 2001)  
Western Energy Institute 2001-Present

## **AWARDS**

1974 Police Officer of the Year (Exchange Club)  
1978 Police Officer of the Year (American Legion)  
1988 I.A.A.I., Arizona Chapter, Life Member  
1989 Police Officer of the Year (Optimist Club)  
1989 Kentucky Colonel  
1990 The Best Lawyers in America: Directory of Expert Witnesses  
1990 Bureau of Alcohol, Tobacco & Firearms, Award of Appreciation  
1993 I.A.A.I. Distinguished Service Award  
2000 I.A.A.I. Life Member Award  
2003 I.A.A.I. Award of Recognition  
Who=s Who in America, Who=s Who in Arizona, Who=s Who - Outstanding Americans,  
Who=s Who in Science and Engineering & Who=s Who in the World

## **PUBLICATIONS**

- AInvestigation of the Fire Through Photographs! Impossible?@,  
The Fire and Arson Investigator, Vol. 41, No. 1, 9/90
- ABaseline Characteristics of Residential Structures Which Have Burned to Completion:  
The Oakland Experience@  
Fire Technology, Vol. 28, No. 3, 8/92
- AUnconventional Wisdom: The Lessons of Oakland@  
The Fire and Arson Investigator, Vol. 43, No. 4, 6/93
- AModern Origin and Cause Investigation:  
Speaking of Fire, Spring, 1995
- AModern Fire Investigation: Art or Science@  
Speaking of Fire, Spring, 1996
- AIntroduction to Fire Origin and Cause@, Second Edition,  
International Fire Service Training Association,  
Fire Protection Publications, Oklahoma State University, December, 1997
- AFire Investigator@, First Edition  
International Fire Service Training Association,  
Fire Protection Publications, Oklahoma State University, August, 2000
- AFire and Arson Scene Evidence: A Guide for Public Safety Personnel@  
United States Department of Justice, National Institute of Justice, April, 2000
- AN.F.P.A. 921: A Guide to Fire and Explosion Investigation@, 1992, 1995, 1998, 2001 and  
2004  
Editions, National Fire Protection Association, Quincy, MA
- AIntroduction to Fire Origin and Cause@, Third Edition,  
International Fire Service Training Association,  
Fire Protection Publications, Oklahoma State University, April, 2005

## ADDENDUM

Mr. Smith has taught to, or on behalf of the following groups or organizations in the following areas of subject matter:

Alaska Chapter, International Association of Arson Investigators, Juneau, Alaska:  
FIRE BEHAVIOR OF FLAMMABLE AND COMBUSTIBLE LIQUIDS AND GASES

American Bar Association, Chandler, Arizona:  
TORT AND INSURANCE PRACTICE SECTION FIRE INVESTIGATION  
AND THE DAUBERT CHALLENGE

Arizona Attorneys for Criminal Justice, Prescott, Arizona:  
ARSON CRIME SCENE INVESTIGATION

Arizona Chapter, International Association of Arson Investigators, Tucson,  
Phoenix, Flagstaff, Arizona:  
FUEL GAS FIRES AND EXPLOSIONS  
ACCIDENTAL FIRE CAUSES  
INCENDIARY FIRE CAUSES  
FIRE SCENE EXAMINATION  
FIRE CAUSE DETERMINATION  
FATAL FIRE INVESTIGATION  
MOBILE HOME FIRE INVESTIGATION

Arizona Chapter, International Association of Arson Investigators, Mesa, Arizona:  
N.F.P.A. 921 2001 UPDATE

Arizona Chapter, International Association of Arson Investigators, Prescott,  
Arizona:  
INTRODUCTION TO N.F.P.A. 921  
MOBILE HOME FIRE INVESTIGATION

Arizona Department of Education - Mr. Smith has taught approximately ten  
outreach programs throughout the State of Arizona, each twelve hours in  
length to include the following subjects:  
ARSON MOTIVATION  
FIRE SCENE EXAMINATION  
FIRE CAUSE DETERMINATION  
VEHICLE FIRE INVESTIGATION  
FATAL FIRE INVESTIGATION

Arizona Fire School - Mr. Smith has team-taught a twenty-four hour block of  
instruction for the Arizona State Fire School, annually for a twelve year  
period. Those courses included:  
FIRE SCENE EXAMINATION  
FIRE CAUSE DETERMINATION  
ELECTRICAL FIRE INVESTIGATION  
POST-BLAST SCENE INVESTIGATION  
INCENDIARY FIRE CAUSE  
ACCIDENTAL FIRE CAUSE  
FUEL GAS FIRE & EXPLOSION INVESTIGATION  
VEHICLE FIRE INVESTIGATION  
ARSON MOTIVATION  
COURTROOM DEMEANOR  
INTERVIEW AND INTERROGATION  
THE ARSON TASK FORCE APPROACH  
THE ARSON STRIKE FORCE CONCEPT  
FATAL FIRES INVESTIGATION

Arizona Insurance Claims Association, Phoenix, Arizona:  
SCIENTIFIC METHOD OF FIRE INVESTIGATION

Arizona Law Enforcement Training Academy - Numerous four-hour workshops have been taught to law enforcement officers, including:

FIRE SCENE EXAMINATION  
FATAL FIRE INVESTIGATION  
ARSON MOTIVATION

Arizona State Fire Marshal=s Office - Various twelve-hour workshops have been taught throughout the State of Arizona, including:

FIRE SCENE EXAMINATION  
FIRE CAUSE DETERMINATION  
ARSON MOTIVATION  
FATAL FIRE INVESTIGATION

Arizona Prosecuting Attorneys= Advisory Council - A twelve-hour workshop was team taught, including:

FIRE SCENE EXAMINATION  
FIRE CAUSE DETERMINATION  
ARSON MOTIVATION  
COURTROOM DEMEANOR  
FATAL FIRE INVESTIGATION

Associated Fire Consultants, Inc. - Seminar - Las Vegas, Nevada. Various four-hour workshops including:

MOBILE HOME FIRE INVESTIGATION  
ADVANCES IN FIRE INVESTIGATION TECHNIQUES AND EQUIPMENT  
ORIGIN AND CAUSE INVESTIGATION  
SCIENTIFIC METHOD OF FIRE INVESTIGATION UTILIZING N.F.P.A. 921  
FROM THE FIRE SCENE TO THE COURTROOM

Bureau of Alcohol, Tobacco & Firearms:

INTER-AGENCY COOPERATION - Chicago, Illinois  
ADVANCED ARSON FOR PROFIT - Federal Law Enforcement Training Center, Glenco, Georgia  
INCENDIARY FIRE CAUSES - AGENT IN-SERVICE TRAINING - New York State Fire Academy  
POST-BLAST SCENE INVESTIGATION - Tucson, Arizona

California District Attorney=s Association, San Diego, California:  
N.F.P.A. - 921

Central Arizona Community College - Courses co-sponsored with Arizona Department of Education

Greater Cincinnati Regional Arson Fire Investigators Seminar, Cincinnati, Ohio:  
INVESTIGATION OF NATURAL GAS FIRES & EXPLOSIONS

CNA Insurance Company, Phoenix, Arizona:  
MODERN FIRE INVESTIGATION TECHNIQUES

Cochise College - Courses co-sponsored with Arizona Department of Education

Farmers Insurance Group, Tucson and Tempe, Arizona and Las Vegas, Nevada:

FIRE SCENE EXAMINATION  
INTERVIEWING TECHNIQUES  
FIRE CAUSE DETERMINATION  
ARSON MOTIVATION  
C&O INVESTIGATION UTILIZING N.F.P.A. 921

Federal Bureau of Investigation:

POST-BLAST SCENE INVESTIGATION - Lake Havasu City, Arizona:  
FIRE SCENE EXAMINATION - Quantico, Virginia



Federal Law Enforcement Training Center - Courses co-sponsored with Bureau of Alcohol, Tobacco & Firearms

Fire and Emergency Training Network, Dallas, Texas - Video tapes in reference to Natural Gas Fires and Explosions, transmitted by satellite to fire service personnel throughout the United States

Gardiner Associates, London, England  
N.F.P.A. 921 SWORD AND SHILED

Glendale Community College, Glendale, Arizona:  
FIRE SCENE EXAMINATION  
FIRE CAUSE DETERMINATION  
ARSON MOTIVATION

Illinois Association of Arson Investigators, Collinsville, Illinois - Various four-hour workshops, to include:  
ACCIDENTAL FIRE CAUSES  
INCENDIARY FIRE CAUSES  
FLAMMABLE/COMBUSTIBLE LIQUIDS & GASES  
FUEL GAS FIRE AND EXPLOSION INVESTIGATION

Illinois Chapter, International Association of Arson Investigators, Champagne, Illinois:  
ETHICS FOR THE PROFESSIONAL FIRE INVESTIGATOR

Insurance Committee for Arson Control, Chicago, Illinois:  
USE AND MISUSE OF INSURANCE IMMUNITY STATUTES

International Association of Arson Investigators, >IAAI International 2001', Atlantic City, New Jersey:  
THE N.F.P.A. PROCESS AND 921

International Association of Arson Investigators, Burlington, Vermont:  
UTILIZING N.F.P.A. 921

International Association of Arson Investigators, Casper, Wyoming:  
FIRE INVESTIGATION FROM THE ASHES TO THE COURTROOM

International Association of Arson Investigators, Grand Rapids, Michigan:  
51<sup>ST</sup> ANNUAL EDUCATIONAL SEMINAR

International Association of Arson Investigators, Jacksonville, Florida:  
EXPERT TESTIMONY UNDER DAUBERT

International Association of Arson Investigators, Lake Tahoe, Nevada:  
N.F.P.A. - 921 SWORD OR SHIELD

International Association of Arson Investigators, Las Vegas, Nevada:  
N.F.P.A. - 921 PAST, PRESENT & FUTURE

International Association of Arson Investigators, Meridan, Connecticut:  
FIRE SCENE EXAMINATION AND DOCUMENTATION

International Association of Arson Investigators, Santa Fe, New Mexico  
NFPA 921- Structures, Mobile Homes, Cars & R.V.s

International Association of Arson Investigators, St. Louis, Missouri:  
VAPOR/GAS FIRES AND EXPLOSIONS  
TRAIN THE TRAINER - 2001 UPDATE – 921

International Association of Arson Investigators, Tacoma, Washington:  
N.F.P.A. - 921 SWORD OR SHIELD

International Association of Fire Chiefs, Tucson, Arizona:  
THE TEAM CONCEPT OF FIRE INVESTIGATION

International Association of Special Investigation Unit, Louisville, Kentucky:  
ARSON MOTIVATION

International Society of Fire Service Instructors, Boston, Massachusetts:  
FIRE CAUSE DETERMINATION FOR THE CHIEF OFFICER

Iowa Chapter, International Association of Arson Investigators, Ames, Iowa:  
L.P.G. FIRE AND EXPLOSION INVESTIGATION

Kentucky Chapter, International Association of Arson Investigators, Louisville,  
Kentucky:  
N.F.P.A. 921 STRUCTURAL AND VEHICLES -  
LIVE VEHICLE BURN

Law Enforcement Training Network, Dallas, Texas, video tapes in reference to Fire  
Scene Examination, transmitted by satellite to law enforcement agencies  
throughout the United States

Maryland Chapter, International Association of Arson Investigators, Rockville,  
Maryland:  
FUEL GAS FIRE AND EXPLOSION INVESTIGATION

National Arson Forum, Washington D.C., providing information and guidance in  
reference to arson legislation

National Association of Legal Investigators, Phoenix, Arizona:  
FIRE SCENE INVESTIGATION

National Association of Subrogation Professionals, Reno, Nevada:  
SPONTANEOUS IGNITION/COMBUSTION A.K.A. SELF  
HEATING ON SELF-COMBUSTION

National Association of State Fire Marshal=s, New York, New York  
INTRODUCTION OF N.F.P.A. 921

National Legislative Conference on Arson, Dallas, Texas - Several four-hour  
workshops for state and federal legislators in reference to the task force  
approach to arson investigation

National Park Service Academy, Grand Canyon, Arizona - A twelve-hour course  
including:  
FIRE SCENE EXAMINATION  
FIRE CAUSE DETERMINATION  
ARSON MOTIVATION  
FIRE DEATH INVESTIGATION

Nevada Chapter, International Association of Arson Investigators, Las Vegas,  
Nevada:  
MOBILE HOME FIRE INVESTIGATION  
THE OAKLAND FIRE EXPERIENCE

Nevada Chapter, International Association of Arson Investigators, Las Vegas,  
Nevada:  
N.F.P.A. 921 2001 UPDATE

New Mexico Chapter, International Association of Arson Investigators,  
Albuquerque, New Mexico:  
N.F.P.A. 921 THE BENCHMARK FOR SAFE AND SYSTEMATIC FIRE INVESTIGATIONS

New South Wales Chapter, International Association of Arson Investigators,  
Sydney, Australia:  
THE MODERN VEHICLE FIRE INVESTIGATION  
FUEL GAS FIRE & EXPLOSION

New Zealand Chapter, International Association of Arson Investigators, Auckland,  
New Zealand:  
FUEL GAS FIRE & EXPLOSION INVESTIGATION

Northern Arizona University:  
FIRE DEATH INVESTIGATION  
POST-BLAST SCENE INVESTIGATION  
COURTROOM PROCEDURES

Oklahoma Chapter, International Association of Arson Investigators, Oklahoma  
City, Oklahoma:  
FUEL GAS FIRE AND EXPLOSION INVESTIGATION

PARCO/Florida Chapter, International Association of Arson Investigators,  
Clearwater Beach, Florida - Various four-hour workshops to include:  
TRAINING THE ARSON INVESTIGATOR  
FIRE CAUSE DETERMINATION

Pima Community College, Tucson, Arizona - Semester long course curriculum  
including all facets of fire investigation

Queensland Association of Fire Investigation, Brisbane, Queensland, Australia:  
FUEL GAS FIRE & EXPLOSION INVESTIGATION  
UTILIZING 921, AN AUSTRALIAN PERSPECTIVE  
MANUFACTURED HOME FIRE INVESTIGATION

Rio Salado Community College, Phoenix, Arizona - Various courses in conjunction  
with the Arizona Department of Education

Southern Arizona Law Enforcement Academy, Tucson, Arizona - Four-hour  
courses of instruction throughout a ten year period, taught to law  
enforcement officers throughout the State of Arizona in reference to:  
FIRE SCENE EXAMINATION  
ARSON MOTIVATION

South Pacific Arson Seminar, Auckland, New Zealand:  
FLAMMABLE/COMBUSTIBLE LIQUID AND GAS FIRE EXPLOSION  
INVESTIGATION

State Farm Fire and Casualty, Las Vegas, Nevada:  
SCIENTIFIC METHOD OF FIRE INVESTIGATION

State Farm Fire and Casualty, Murfreesboro, Tennessee:  
ARSON INVESTIGATION  
NATURAL GAS FIRE AND EXPLOSION INVESTIGATION

State Farm Fire and Casualty, Tempe, Arizona:  
FIRE SCENE EXAMINATION  
FIRE CAUSE DETERMINATION  
ARSON MOTIVATION  
INTERVIEWING TECHNIQUES

Tennessee Advisory Committee on Arson, Murfreesboro, Tennessee:  
TRIAL PRESENTATION OF ORIGIN AND CAUSE INVESTIGATION

Texas Chapter, International Association of Arson Investigators, Austin, Texas:  
FIRE SCENE EXAMINATION

Texas District and County Attorneys= Association, Austin, Texas:  
FIRE SCENE EXAMINATION  
FATAL FIRE INVESTIGATION  
ARSON MOTIVATION

Tucson Fire Training Center, Tucson, Arizona:  
FIRE SCENE EXAMINATION  
FIRE CAUSE DETERMINATION  
FIRE CAUSE RECOGNITION FOR THE CHIEF OFFICER

University of Arizona, Tucson, Arizona:  
FIRE SCENE EXAMINATION AND ARSON MOTIVATION

U.S.A.A. Insurance, San Antonio, Texas - Various workshops including:  
ARSON MOTIVATION  
UNDERSTANDING FLASHOVER

U.S.A.A. Insurance, San Antonio, Texas - Various workshops including:  
ORIGIN AND CAUSE COORDINATION

U.S. Naval and Marine Corps Fire Protection Association, San Jose, California:  
MODERN FIRE INVESTIGATION AND TECHNIQUES

Utah Chapter, International Association of Arson Investigators, Wendover, Utah:  
MOBILE HOME FIRE INVESTIGATIONS

Virginia Chapter, International Association of Arson Investigators, Richmond,  
Virginia:  
NATURAL GAS FIRE AND EXPLOSION INVESTIGATION  
TECHNOLOGY AND FIRE INVESTIGATION  
N.F.P.A. 921 - A GUIDE FOR FIRE AND EXPLOSION INVESTIGATION

Virginia Chapter, International Association of Arson Investigators, Norfolk, Virginia:  
FLAMMABLE/COMBUSTIBLE GAS AND LIQUID FIRE AND  
EXPLOSION INVESTIGATION  
FUEL GAS FIRE AND EXPLOSION INVESTIGATION

Virginia State Police, Norfolk, Virginia:  
FUEL GAS FIRE AND EXPLOSION INVESTIGATION

Washington State Region 1 Life Safety Council, Mt. Vernon, Washington -  
Advanced Fire Investigation Course:  
INVESTIGATION OF MOBILE HOME FIRES  
INVESTIGATION OF FATALITY FIRES  
APPLICATION OF N.F.P.A. 921  
FIRE INVESTIGATION  
ARSON MOTIVATION

FUEL GAS FIRES & EXPLOSIONS

Washington State Region 5 Life Safety Council, Vancouver, Washington -

Advanced Fire Investigation Course:

INVESTIGATION OF MOBILE HOME FIRES  
INVESTIGATION OF FATALITY FIRES  
APPLICATION OF N.F.P.A. 921  
FIRE INVESTIGATION  
ARSON MOTIVATION

West Virginia Chapter, International Association of Arson Investigators, Beckley,  
West Virginia:

FIRE SCENE EXAMINATION  
FIRE CAUSE DETERMINATION  
INTERVIEW TECHNIQUES  
ARSON MOTIVATION  
FUEL GAS FIRE AND EXPLOSION INVESTIGATION

Western Energy Institute, Tucson, Arizona:

CLAIMS INVESTIGATION

Wisconsin Chapter, International Association of Arson Investigators, Stevens  
Point, Wisconsin:

THE PRINCIPLES OF N.F.P.A. 921

Wyoming Chapter, International Association of Arson Investigators, Rock Springs,  
Wyoming:

FUEL GAS FIRES AND EXPLOSIONS

Wyoming Chapter, International Association of Arson Investigators, Thermopolis,  
Wyoming:

AN INTRODUCTION TO N.F.P.A. 921

Yavapai Community College, Prescott and Cottonwood, Arizona - Various courses  
held in cooperation with the Arizona Department of Education