

IAAI 70th International Training Conference 2019

APRIL 14-19

Hyatt Regency Jacksonville - Riverfront, 225 E Coastline Dr, Jacksonville, FL 32202

The IAAI is the **GLOBAL LEADER IN FIRE INVESTIGATION TRAINING**,
so if you're in any of these service industries you should attend:

Fire/Arson Investigators (public & private) | Fire Personnel & Leadership | Insurance Claims Adjusters | SIU Personnel
Scientists | Attorneys | Engineers | Building, Auto or Appliance Manufacturers

ITC EXPO DAYS

ITC Expo offers personal connections with vendors and
sponsors for networking and creating lasting relationships
with professionals in the fire investigating industry.

WEDNESDAY, APRIL 17

7:00AM - 5:00PM

THURSDAY, APRIL 18

7:00AM - 1:00PM

Book your registration online at www.iaaiitc.com

In Partnership with:



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**CLAIMS & INVESTIGATION
TRAINING SEMINAR:
APRIL 16-17 2019**

Early Bird Rates
through 3/20/2019

Members - \$750

Non-Members
\$950

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Members - \$850

Non-Members
\$1050

One-day Pass

Members - \$215

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\$275

IAAI is the Global Leader in Fire Investigation Training.



Pick from specialized industry courses with 120 hours of live training.

Learn from local, State and Federal department/agency experts.

All classes are based on and consistent with NFPA 921 and NFPA 1033.

MONDAY April 15th

8am-9:15am Opening Ceremonies

9:30am-12pm Elizabeth McCormick



Elizabeth McCormick

As a former US Army Black Hawk pilot, Elizabeth flew command and control, air assault, rappelling, top-secret intelligence missions, and also transported high level government VIPs including the Secretary of Defense. These stories keep attendees on the edges of their seats, and the stories are turned into relatable lessons that any audience can put into immediate action. She has received many awards in the army, and supported United Nations peacekeeping operations in Kosovo, receiving the Meritorious Service Medal for her excellence in service. In 2011, Elizabeth was awarded the US Congressional Veteran Commendation for her commitment to serving her country and community as a disabled veteran.

Monday April 15th Classes

Track A - 1:00-5:00 | Presenter: Jamie Lord

Forensic Applications of Fire Protection Systems

Fire protection systems such as sprinklers and alarms are often examined closely for subrogation purposes, but there are many oft-overlooked data points that can be gleaned from a deeper understanding of these systems. Knowledge of fire protection systems can help narrow the fire origin, establish a timeline or sometimes assist in determining a cause.

Several case studies will be included to complement the presented information.

Track B - 1:00-5:00

Presenters: Michael Keller, Justin Geiman

Patterns of Heat Flow & Arc-Melted Conductors

Arc mapping and utilization of arc melting information as raw data for an investigation's hypothesis analysis has grown from novel idea to becoming one of the four methods of determining the area of origin of a fire. However, none of the research to date has quantitatively addressed the basic premise behind arc mapping: "Does the pattern of arc melting on conductors generally represent the heat flow during a fire?" A series of twenty fire tests, conducted at the ATF Fire Research Laboratory, addressed this question. Instrumentation was included in the tests to measure compartment temperatures adjacent to the conductors throughout the tests. This data created graphical representations of the compartment temperatures and arc locations for each test. Test documentation also included the physical appearance of arc melting artifacts and the electrical characteristics of each failure. The test series showed the general relationship between heat flow in a compartment and arc melting. This information aids investigators in interpreting arc melting patterns on a fire scene.

Track C - 1:00-5:00

Presenters: Adam Holloway, Steven Sundquist

Marine Fire Investigation: Engineering Aspects & Investigation Logistics

The 4 hour block will be broken down into 3 segments; Fire Investigation 101, Application of engineering regarding O&C investigations, and logistical considerations regarding boat fire investigations. Each segment will have one main speaker with the other to provide additional information, context and relate it to their specific discipline.

Fire Investigation 101 will provide attendees with the basics of terminology, safety, fire science and a case study as it relates to boat fire investigation.

Application of Engineering will include when to engage an engineer, what type of engineering may be needed, how an engineer may assist in the investigation and how engineering can be utilized in examination of the systems, etc. on board a boat and how they may relate to the cause of the fire.

The logistical considerations walks the audience through marine specific considerations including sinking, recovery, resources etc.

Case studies will be used to augment the topics.

Track D - 1:00-5:00 | Presenter: Jason McPherson

Electrical Fundamentals

The components of an electrical service, circuitry, modes of failure, and arc mapping.

- Define basic electrical terms.
- Identify common electrical failure mechanisms.
- Describe common electrical systems and components found in a home.
- Examine a fire of potential electrical origin.

Program topics include: safety, electrical safety, NFPA Chapter 9 (Electricity & Fire), Basic Electricity, Building Electrical Systems, Electrical Heating (five forms), Electrical Failure, Arcing, and Electrical Fire Investigation.

**Track A - 8:00-12:00 | Presenter: Brian Focht****Investigating Natural Gas Events**

Working hand in hand with the utility there are many aspects of gas work that can aid the investigator or procedures that a utility company may want to do to ensure public safety and the integrity of the natural gas system.

Understanding the properties of natural gas and how it can affect a fire investigation with irregular fire patterns, multiple points of origin or unexplainable damage at the scene. There will be a review of natural gas systems and basic properties to enable the student to better understand the dynamics of natural gas events. This will be an interactive presentation with the use of industry events and investigations to walk the students thru several significant events.

Track B - 8:00-12:00 | Presenter: George Wendt**Enhancing Fire Investigation Data Collection Through the Use of the Cognitive Interview Process**

The fire investigator is required by NFPA 1033 to be proficient in "... obtaining information regarding the overall fire investigation from others through verbal communication". Although interviewing subjects is a core skill enumerated both NFPA 921 and NFPA 1033, fire investigators often lack the training and practical experience to effectively elicit the needed information from victims, witnesses and first responders. This presentation will speak to the use of Cognitive Interviews to increase both the quantity and quality of the information obtained during fire investigation interviews. This presentation will focus on the gathering of interview information from cooperative witnesses and will not deal with detecting deception or obtaining confessions.

Track A - 1:00-5:00

Presenters: Bryan Rowan, Rich Pala

I've Lost My Moral Compass: A Case Study of an Interagency Investigation into Two Complex Arsons

This case study highlights the methodology and application of the investigative process used by both the Fire and Police Investigators on two separate but related arson fires that occurred in 2016. A chemical fire set in a big box Home improvement store during business hours and a 3 story townhouse under construction set at night that spread to an occupied townhouse. The audience will follow the investigative process and get a behind the scenes look at the work their counter-agencies perform in these complex investigations. This presentation will showcase the need for and benefit of inter-agency cooperation.

The narrative, delivered by the Lead Fire Investigator and Police Detective will be augmented with video taken by witnesses and will include a video re-enactment provided by the arsonist. The audience will get a rare insight into the mindset of the arsonist through the re-enactment where he talks of motive, means and opportunity in his fire sets.

This case will reinforce the use of the Scientific Method as outlined in NFPA 921 Guide for Fire & Explosion Investigations detailing the process used by the Fire Investigators in their origin and cause investigation as well the multi-faceted criminal investigation resulting in the arsonist's conviction.

Track B - 1:00-5:00**ANNUAL GENERAL MEETING****Track D - 8:00-5:00 | Presenter: Robert Schaal****Fire Dynamics**

The detailed study of how chemistry, fire science, and engineering disciplines of fluid mechanics and heat transfer interact to influence fire behavior.

This block of instruction will serve to satisfy, in part or whole, requirements concerning continuing education posted in Section 1.3.7:

Program topics include: NFPA 921, NFPA 1033, Fire, Fuels, Oxygen, Temperature, Heat, Combustion, Flame, Ignition, Fire Development & Decay, Ventilation, Fire Growth, and Fire Modeling.

Track C - 2-Day Program**TUESDAY** April 16th**Fire Claims and Investigation Training****Track C - 8:00-10:00 | Presenter: Michael R. Parker****Everything You Need to Know About EUOs**

The attendees will learn the definition of an EUO, the penalties for perjury, the duty of an insured to submit to an EUO upon demand, the consequences for an insured for noncompliance, the primary purposes and secondary benefits of an EUO including the potential to discover fraud, the signs that a claim should be referred for an EUO investigation, examples of recent EUOs, and tips for successfully conducting an EUO investigation. The attendees will learn how conducting an EUO in an arson investigation can uncover critical facts through proper timing of the EUO, production of records, and selecting qualified legal representation.

Track C - 10:15-12:00 | Presenter: Mike Melson**Cellular Technology, Mapping, & Analysis**

Training is focused on understanding cellular networks and the information they can provide. This class will provide an in-depth look into cellular networks and call detail records (CDR's) from any cell phone provider. We will teach you to understand the information, how to use the information and why it is critical to your investigations. Specifically, students will learn the basics of mapping CDRs, how cellular networks communicate with cell phones, how to find out who is talking to whom, and other analytical strategies to assist with investigations. A real life case study will be presented where students will take the skills they learned and apply it solving the case.

Track C - 1:00-5:00 | Presenter: Roy Mura**Finding and Utilizing Connected Device and Social Media Data in Claim Investigations**

Social media data remains ubiquitous, but the number of wearable, mobile and stationary connected or Internet of Things devices in use has exploded over the past few years and continues to grow. Connected devices record and transmit zettabytes of data which, like social media data, can be very useful in conducting claim investigations. Attend this interactive session to learn:

- what connected devices exist and may have i-witnessed the reported loss;
- how they generate machine-witnessed data;
- how to find relevant social media and connected device data;
- how to legally acquire and secure that data; and
- how to utilize such data in investigating and deciding claims.

Track C - 8:00-5:00 | Presenters: IAAI Insurance Committee

Brad Gordon, Joseph P. Toscano, Chris Ward

Insurance Claim Study from "Report of Loss to Trial"

The IAAI Insurance Committee has created an interactive case study to walk insurance professionals, investigators and legal professionals through a case study, providing viewpoints and interactions with counsel, investigators and claims professionals. The program will be broken down into four parts. First and foremost, the attendees will determine the proper methods and guidelines of expert retention, both as to who and in what specialty. The retention of the expert consideration will also include company or personal vetting with the use of NFPA 921, NFPA 1033, reports and testifying history. Once the attendees have retained the proper experts for our case study, they will learn best practices relating to scene inspections, including the use of personal protective equipment, creating a safe scene environment, as well as the recognition of common fire behaviors, the scientific method and NFPA 921. A key to this segment of the case study is to provide and understanding of the elements of origin determination (NFPA 921 – 18.1.2) to the claim professional so as to ensure a proper and thorough investigation. As the attendees create a safe site and conduct the inspection of the site for the case study, they will move through the identification of issues relating to subrogation and arson. Each particular area has necessary requirements to ensure a proper recovery or defense of a claim, including preservation of evidence, placing parties on notice and retaining counsel. The session will conclude with an insurance professionals documentation of the claim file and what should/should not be included, from the perspective each claim file will be seen by the opposing party should litigation ensue.



Track A - 9:30-11:30

Presenters: Jeff Pauley, Peter Mansi

A Culture Change Initiative: Improving the Health and Safety of Fire Investigators

This presentation by members of the IAAI Health and Safety committee will include information on the background issues of fire investigator health and safety, relevant research to date, and a review and discussion of the committee's best practices white paper. The focus of this information is on the culture change initiative that is needed within the fire investigation profession to improve health and safety practices and procedures. We will also discuss the need to educate others who may be exposed to the same issues.

Track B - 8:30-9:30

Presenters: Lester Rich, Christine Spangler

It's a new day at your National Fire Academy

The National Fire Academy (NFA) is in the process of completely revising the Fire and Investigative Sciences curriculum. This endeavor represents a wholesale renewal of the NFA's commitment to the nation's fire and law enforcement agencies, whether they be federal, tribal, state or local. The curriculum will be revolutionary for an academy setting and will provide intensive instruction, interaction, and student evaluation. Including the introduction of instructor-led pre-course work, instructor-led online courses, and new student activities. This presentation will highlight the new curriculum, answer questions and provide the attendees with information on attendance, pre-requisites, the application process, and the new delivery platform of a Learning Management System.

Track B - 10:00-12:00

Presenters: Laurel Mason, Caitlyn Head, Sara Bonner

Spontaneous Heating Fires with Vegetable Oils-Fats

Learning Objectives:

- Identify various types of fire scenarios which may have been the result of self-heating.
- Locate and identify physical evidence in the fire scene which may indicate possible self-heating.
- Differentiate and compare various types of physical evidence and determine their evidentiary value in self-heating fires.
- Collect and preserve evidence for laboratory analysis.
- Demonstrate a comprehensive understanding of self-heating of vegetable oils and fats.
- Understand the roll of the forensic laboratory and practical aspects of analyzing evidence for vegetable oils and fats.

Track A - 12:30-2:30

Presenters: Matthew Dubbin, Brian Haag

Vehicle- Electrical Systems & Hot Surface Ignition Heat Sources

The two main accidental causes for vehicle fires is electrical and hot surface ignition. These two causes will be discussed separately. The electrical portion will include: electrical basics, common vehicle circuitry, componentry, schematics, and circuit/wiring protection. Sources of data, such as, on-line manuals, recall sites, dealership and exemplar analysis will be discussed. What specific electrical questions to ask prior to vehicle inspection and performing an electrical survey of the vehicle remains. Data collected during vehicle burns and testing will be presented throughout.

The hot surface portion will include: definitions of fluid-based vehicle systems, their function in the operation of the motor vehicle and their potentials for fire affected failures. Data derived from testing of hot surfaces. Ignition temperatures of motor vehicle fluids and how that is affected during operation of a vehicle. Questions to ask pre-investigation and the answers that determine hot surface potential in fire cause.

Track B - 1:00-3:00 | Presenter: Stephen Rinaldi

Evidence Identification, Collection, & Preservation Techniques

The curriculum is designed to cover the fundamental knowledge, experience and skills necessary as measured against core job performance requirements of established NFPA 1033 professional qualifications and guidance provided in NFPA 921 related to evidence collection on scenes of fire and explosion incidents. The presentation will explain IAAI ECT candidate qualifications and the process to obtain the designation of IAAI ECT.

Track A - 3:00-5:00 | Presenter: Daniel Madrzykowski

The Impact of Ventilation on Fire Patterns in Full-Scale Structures

Changes in home construction materials, contents, and geometry have resulted in changes on the fire scene. Today, structure fires are predominantly fueled by synthetic fuels and commonly become ventilation-controlled. How and where the fire receives oxygen impacts the fire dynamics and resulting fire patterns. This presentation will include videos, photos, and data from full-scale fire experiments conducted at the UL Large Fire Laboratory. A one-story and a two-story structure were used for the experiments. The test scenarios ranged from room fires with no exterior ventilation, to room fires with flow paths that connected the fires with remote intake and exhaust vents throughout the structures. Elevated fires originating in the kitchens were also examined. This project was supported by a grant from the U.S. DoJ NIJ.

Track B - 3:00-5:00 | Presenter: Peter Mansi

Fire Investigation Roadmap ("FIRMs")

The investigation of fires can be extremely complex. There was a fundamental lack of a systematic methodology to investigate the cause of fires and a need for one to be developed. This presentation explains 23 Fire Investigation Road Maps (FIRMs) having been designed to assist a competent fire investigator conduct a rigorous and systematic investigation to determine the cause of a fire. The cause of the fire that will determine whether it was started accidentally or deliberately.

Paramount is documentation of the fire investigator's methodology whilst conducting their investigation.

In August 2009, a report for the Texas Forensic Science Commission (Beyler, 2009), and the conclusions stated: 'Their methodologies did not comport with the scientific method or the process of elimination.'

Track D - 2-Day Class

Onsite Sign-up
Limited Seating

Track D - 8:00-5:00 | Presenter: Chris Ellis

Motor Vehicle Fire Investigations

The IAAI Motor Vehicle Fire Investigation 2 day course consists of 16 hours of tested instruction in determining origin and cause of motor vehicle fires. Based on Chapter 27 of NFPA 921, topics will include vehicle investigation safety, fuel packages, ignition sources, vehicle systems and identification. Included in the instruction is a live electrical demonstration showing how fuses, fusible links and relays work, as well as real time failures such as overloads and shorts. The IAAI Motor Vehicle Fire Investigation 2 day course satisfies the Specialized Training Requirement of the IAAI Motor Vehicle Fire Credential Endorsement program.



Track A - 8:00-10:00 | Presenter: Robert Keithley

Explosion & Bombings: A Fire Investigator's Perspective

The goal of this course is to enhance the participant's knowledge about the investigation of criminal and non-criminal explosions and to address the impact home-made explosives are having on these investigations. This goal is accomplished by addressing basic explosion dynamics, scene examination, blast damage interpretation, common causes of accidental explosions, common improvised explosive devices in the United States, and the manufacture/use of home-made explosives.

Track B - 8:00-10:00

Presenters: Joe Konefal, Ed Nordskog

Keys to a Successful Fire Death Investigation

This presentation provides a fire investigator with the proper keys to be able to successfully conduct a fatal fire investigation. This can be a very challenging and trying experience for the unprepared investigator. The information presented will take the fire investigator from the initial through the final phases of the investigation. From who is responding to the scene, the Who's Who there, the roles and responsibilities of appropriate stakeholders involved, what people normally die in a fire, processing and documenting the scene, locating, collecting, and preserving critical evidence, the fire effects on the human body, and as an investigator, what questions should be asked and answered. Once the investigator completes the scene examination, it will address the importance of attending the post mortem examination.

Track C - 8:00-10:00 | Presenter: Edward Roberts

Objectivity: Are We Doing It Right?

Objectivity is the key element of any successful and accurate fire investigation. It is that critical first step that leads us in the direction of Truth. But though most fire investigators recognize it as critical, they rarely give it a second thought, jumping instead to "new" techniques and "exciting" investigative toys. This class will help the student establish a solid foundation through identifying negative societal influencers on objectivity and the possible consequences to the future of objectivity; delving into the meaning and nature of true objectivity; exploring the history and significance of The Scientific Method on human advancement; breaking down our methodology into identifiable and properly ordered actions; and presenting a Scientific Method Model designed specifically for fire investigation.

Track A - 10:15-12:00 | Presenter: Kenneth Weinbrecht

Marine Surveying for Fire Investigators

The lecture will focus on the basics of recreational and some commercial vessels. My intent is not to turn all the attendees into marine surveyors but to give them the basic knowledge of how a vessel is constructed, different types of vessels as well as the fuel systems and the terminology of vessels so that the fire investigator will be able to work closely with the marine surveyor during a marine fire investigation. I will also talk about the standards that fire investigators should be aware of in use in the marine field, i.e. ABYC, NFPA, ISO.

Track B - 10:15-12:00

Presenters: Joe Konefal, Ed Nordskog

Complex Death Scenes: Body Dumps, Suicides, Cold Case Murders, & Mass Arson Murders

An intimate look at several recent real-world cases involving highly complex fire death scenes. This class highlights the mistakes and omissions made at the scene by either the fire investigator, homicide detective, or the coroner investigator, and how they greatly impact a trial a year later, 10 years later, or even thirty years later. This class also introduces students to Fire Death Analysis and Profiling.

Additionally, this class will assist investigators of all disciplines related to this genre (Homicide, fire, arson, coroner, CSI, insurance, prosecutor), in sorting out incredibly complex scenes and preparing them for either civil or criminal court. This class will offer suggested "protocols" to employ at the scene to assist in accurately processing a suspicious fire death scene.

Track C - 10:15-12:00 | Presenter: Keith Parker

Fire Behavior Context Relating to Vegetation Fire Investigation

Understanding the specific fire behavior that forms burn patterns is critical to accurate interpretation of fire indicators and determining competent ignition sources. The fuel, weather and topography will determine the three key fire behavior characteristics, (1) rate of spread including short and long range spotting, (2) fire line intensity, flame length, depth, tilt and (3) the total heat per unit area generated. The specific fire behavior characteristics at a given point over a given time will create the fire pattern(s) available for interpretation. This presentation looks at the specific fire conditions generating low through extreme fire behavior and how the fire behavior context affects the appearance and reliability of directional indicators left after the fire has moved through an area.

Track A - 1:00-5:00 | Presenters: Scott Ayers, Andy Minister, Jonathan Butta, Connie McNamara, Kerwin McNamara

Flame Jetting Awareness and Investigative Challenges

Over the last several years, science demonstrations and experiments in schools have gone terribly wrong. Popular science experiments have resulted in critical injuries to students and teachers. Incidents are occurring in other settings too, with consumer products such as gasoline containers and liquid fireplace fuel. Under the right conditions, a hand-held container of flammable liquid poured near an ignition source can shoot a 15-foot jet of flame. Called flame jetting, this serious, largely unknown danger is both devastating and deadly.

Track B - 1:00-5:00 | Presenter: Paul Makuc

When Arson Becomes the Murder Weapon: The Cheshire, CT Arson Murders

This program will detail the investigation of a home invasion that turned deadly after a fire was set to conceal the crimes. The primary focus will be on the multi-faceted crime scene investigation by local and state agencies and the prosecution of the two men who committed the crimes. This program highlights the team approach utilized by both fire and police personnel to reach a successful conclusion of a complex investigation. Great care has been taken not to sensationalize the tragedy, but rather to illustrate the steps taken during the investigation and the subsequent arson murder trials.

Track C - 1:00-3:00 | Presenter: Brian Veprek

Field Interviews

The "Field Interview" is the most basic and common approach for an investigator to meet someone in the field, while conducting his or her investigation. Your interaction with the person, to include the memorializing and testifying to the facts obtained during the field interview, can either make or break your investigation, which will ultimately lead to your interview being deemed admissible/suppressed by the courts, or a not guilty/guilty verdict in the courtroom or deposition. Participants will learn the importance of the field interview from the beginning of their investigative process, which starts in the field and leads them to the courtroom. Participants will learn the importance of extracting information in the field without compromising their investigation and giving information out. Topics discussed will be mannerisms; courtesy; people skills and professionalism. All of the above concepts are driven from your "Interview and Interrogation" skills, which will also be incorporated in the above block of instruction.

Track C - 3:15-5:00 | Presenter: Joshua Reichert

Human Behavior in Fire

The field of human behavior in fire has conducted much research to help predict how people will react during fires. An investigator's understanding of different decision-making variables can help the investigator determine how people reacted during a fire or if stated behavior aligns with what is expected.

Learning Objectives:

- Participants gaining basic knowledge and understanding of the subject of human behavior in fire
- Participants learning how different human characteristics affect the decision-making process in fire events.
- Participants learning research is available to help understand peoples behaviors during a fire event.
- Participants learning what ASET and RSET are and the components associated.
- Participants learning the variables of RSET and basics on how it is calculated.

Track A - 8:00-12:00 | Presenters: Nick Carey, Mark Svare

Arc Mapping: New Technology or Myth & Copper Conductor Bead Analysis

Establishing a fire's area of origin within residential, commercial and industrial properties is a difficult process. Eyewitness information and burn patterns traditionally used by fire investigators can be misleading, which can provide erroneous data during the fire investigation. This presentation will explore over one hundred years of scientific and electrical engineering research related to the generation and distribution of electricity, and the protection of low voltage electrical distribution systems and their role in fire investigation. As well as present research identifying that the electrical system as an independent energy source, it will establish how it responds to fire and explain that the electrical system is not a fire pattern.

Presenters will further reveal findings of recent research related to how skilled, educated, trained, and experienced electrical engineers and investigators can apply electrical survey's and arc fault circuit analysis (sometimes referred to as arc mapping) methods to the post-fire damaged electrical system. Thereby, assisting them to determine with a high degree of probability an area of origin, which can establish a sequence of events as well as hypothesis testing.



Track C - 8:00-12:00 | Presenters: Mike Dalton, Casandra Jones

Evidence Collection Technician Practicum

The Evidence Collection Technician Program is designed to verify an applicant's fundamental knowledge as measured against core job performance requirements of established professional qualifications standards and standard industry practices related to evidence collection on fire scenes. This measurement is not all inclusive of the incorporated professional standards cited, but lays the foundation for measuring the holder's fundamental ability to perform specific evidence collection tasks related to fire scene investigation at an acceptable level as measured against published acceptable practices. The applicant must provide documentation of meeting minimum requirements including experience, training, and education. Upon approval they must successfully pass a comprehensive practicum examination.

The applicant must provide documentation of meeting minimum requirements including experience, training, and education. Upon approval they must successfully pass a comprehensive practicum examination.



Track D - 8:00-12:00 | Presenter: Bobby McCormick

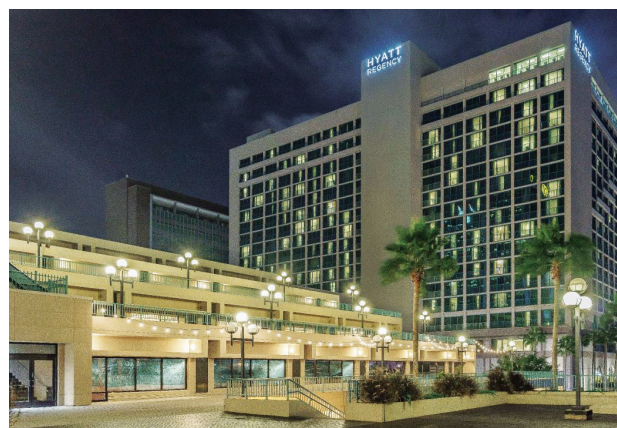
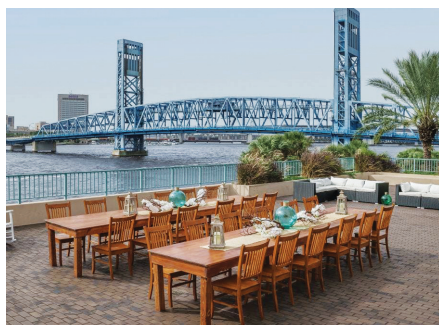
Origin and Cause

Evaluating and analyzing a fire scene using a systematic method to determine the origin and cause of the fire.

Learning Objectives:

- Understand and apply systematic approach and scientific method to determine the area of fire origin, then cause.
- Identify fire patterns.
- Identify fire causes/ classifications.
- Identify methods of testing and eliminating hypotheses (as part of the scientific method).
- This block of instruction will serve to satisfy, in part or whole, requirements concerning continuing education posted in Section 1.3.7

Program topics include: NFPA 921 Chapter 18 – Origin Determination, NFPA 921 Chapter 19 – Fire Cause Determination, NFPA 1033, Fire Scene Investigation, Ignition Sources, First Fuel Ignited, Cause Classifications, Fire Investigation Methodology, Initial Response, Examination, Fire Patterns, Fire Effect, Ventilation, Reconstruction, Accidental Sources of Ignition, Evidence of Incendiarism, and Hypothesis Development & Testing.



Bring your spouse or companion!

Daily trips and activities!

The price for the ITC Spouse Program is \$250 and includes a ticket to the Awards Banquet on Tuesday night.

Please email chris.burt@firearson.com or call the IAAI Office 410-451-3473 to add your spouse to the program or register onsite.

See iaaiitc.com for details.



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