

*Commemorating 30 Years  
of the Accelerant Detection  
Canine Program  
1986 - 2016*

31st Annual  
**ARSON INVESTIGATORS  
SEMINAR**

**November 17 & 18, 2016**



# Agenda

## November 17

**7:30 – 8:00 - Registration**

Opening Remarks • RICHARD MORRIS, PRESIDENT

**8:00 - 12:00**

ATTORNEY FREDERICK B. “TED” TEDFORD, TEDFORD & POND, HARTFORD, CT  
JOE TOSCANO, IAAI-CFI & CI, JACK WARD FIRE CONSULTANTS, LLC

*What Does a Fire Investigation Professional Need To Know?*

**12:00 - 1:00**

**LUNCH**

**1:00 - 5:00**

THE ACCELERANT DETECTION CANINE HANDLERS OF THE  
CONNECTICUT STATE POLICE FIRE & EXPLOSION INVESTIGATION UNIT:

DET. JOHN SAWYER, K-9 “SOPHIE” • DET. PAUL MAKUC, K-9 “CORR”  
DET. WAYNE OPDENBROUW, K-9 “SPRITE” • DET. JOSEPH LOMBARDI, K-9 “CLAUS”

DR. JACK HUBBALL, PH.D, FORENSIC SCIENCE EXAMINER STATE OF CONNECTICUT,  
DIVISION OF SCIENTIFIC SCIENCES FORENSIC LABORATORY

*Accelerant Evidence in the Fire Scene: Accelerant Detection Canine  
Identification, Collection and Laboratory Analysis*

**5:00 – 7:00 - Social Hour Reception**

## November 18

**8:00 – 12:00**

CHRISTOPHER B. WOOD, FIRELINK, LLC

*Arc Mapping: Hiking the History, Climbing the Controversies,  
Rambling Recent Advances and Proceeding to Practice*

**12:00 - 1:00**

**LUNCH**

**1:00 - 5:00**

ROBERT DUVAL, NATIONAL FIRE PROTECTION ASSOCIATION



MICHAEL WIXTED, NATIONAL FIRE PROTECTION ASSOCIATION

*NFPA 921 & 1033: What we have now and what's around the corner*

This program will cover the trends in the fire investigation field and how those trends will be reflected in the 2017 edition of NFPA 921. We will also touch on the structure of NFPA 1033 and even provide insight into the NFPA 921 topics raising their head for the 2020 edition.

## Who should attend

Those concerned with fire investigation, site and evidence evaluation and fire scene reconstruction will find this seminar of particular benefit; fire and arson investigators, police officers, SIU personnel, claims professionals and claims legal personnel.

# Speakers

**Frederick Tedford** served as a member of the United States Air Force Judge Advocate General Corps. Since that time, he has gained more than 35 years of experience as a tort and product liability trial attorney. He devotes a substantial portion of his practice to fire and explosion litigation, in which he has over 18 years experience.

Attorney Tedford is a former national counsel and national coordinating counsel for product manufacturers and distributors. He currently serves as national coordination and litigation counsel for several Fire Science and Product Liability clients. He is also a frequent lecturer on this subject.

**Joseph P. Toscano IAAI-CFI & CI** is a Senior Fire Consultant/Director of Business Development, Jack Ward Fire Consultants, LLC. Joe has been involved in all aspects of the field of fire investigation and case management for more than forty years. He is an internationally known lecturer and author on effective investigative techniques and solutions for the insurance industry, law enforcement, fire service and legal professions. His expertise includes Fire Origin and Cause, Large Loss Investigation Management, Curriculum Development, Claim Division and SIU Training, Subrogation and Fraud Investigation, and he is recognized as an expert witness in both State and Federal courts. He has lectured extensively across the United States and in thirteen countries. Mr. Toscano's professional experience includes 20 years in law enforcement, retiring in 1993 from the Connecticut Division of Criminal Justice assigned to the States Attorney's Office, New Haven as a Senior Police Inspector, Arson Control & Assistance Program. In 1993 he joined the American Re-Insurance Company Claims Division retiring in 2003 as Vice President, Fire Investigation Specialist. He then accepted a position at Chilworth Technology, a global leader in the Process Safety and Engineering industry. Joe was awarded Vice President Al Gore's Hammer Award for efficient use of government funds in the development of Interfire VR. He is a past recipient of the IAAI Investigator of the Year Award and is a Life Member of both the International Association of Arson Investigators (IAAI) and Connecticut Chapter of the IAAI and he serves on the IAAI, Training and Education, FISC and CFI Trainer Steering Committees.

**Dr. Jack Hubball** is a Forensic Science Examiner in the Chemistry Section of the Connecticut Forensic Lab and performs both organic and inorganic analyses on a variety of samples submitted from crime scenes; most of which originate from suspect-arson fires. During his tenure at the Lab, he has analyzed more than 10,000 items.

Dr. Hubball is the Laboratory representative to the Connecticut State Police K-9 Unit; and for the past 29 years has provided final testing, third party certification and recertification for the arson, drug, bomb and electronic storage device dog detection teams.

He is a member of several professional organizations; and has received a number of citations and awards including the Arnold Markle Distinguished Service Award presented by the International Association of Arson Investigators.

**Christopher Wood** holds a BS in Management Engineering with an Electrical Engineering concentration and a MS in Fire Protection Engineering (FPE) from Worcester Polytechnic Institute (WPI). He is a licensed professional engineer in multiple states. A licensed attorney, he holds a JD from Suffolk University Law School. He is a cofounder of FireLink, LLC. In addition to being a principal member and the secretary of the NFPA 921 committee, he is a member of several engineering societies and industry organizations. He teaches two courses at WPI in the graduate FPE program: Failure Analysis and Forensic Techniques. He is the author of numerous publications.

The Arc Mapping program will present a historical background and concept development up through the most recent findings in arc mapping. The course will start with an overview and introduction to arc mapping. This section will be followed by a review of arc mapping test results. Building on this basis of arc knowledge, the presentation will address traditional field work and the appropriate work undertaken by field investigators, electrical engineers, and material scientists in arc mapping work. Identification of arcs requires an understanding of what an arc is as well as what does not constitute an arc and differentiating between the various observations that may be made both on a fire scene and following the fire scene field work. A review of NFPA 921 recommendations on arc mapping, the most recent observations on arc identification testing as well as the

controversy that developed in this area over the last few years. A review of whether arc beads can be identified as cause or victim beads will help participants understand the limits of current technology. Finally, a simple plan and identification of activities for future field work will round out this exciting presentation. Participants will be able to examine and manipulate physical specimens from arc mapping tests.

**Robert Duval** is the Senior Fire Investigator for the NFPA (National Fire Protection Association), which is based in Quincy, Massachusetts. Robert is responsible for conducting investigations of technically significant incidents in order to gather, "Lessons learned" from each incident to apply those lessons to improving NFPA codes and standards. The investigation of these incidents includes documenting the emergency services response, the structure(s) involved as well as the events leading up to and following the incident.

As Regional Director, Robert is responsible for outreach within the New England states regarding code adoptions, and training. He also serves as a point of contact for stakeholders in the NFPA process; including the fire service, engineering and safety professionals.

**Michael Wixted** is an Emergency Services Specialist within the Public Fire Protection Division of NFPA. His primary background is in Fire Protection Engineering with a M.Sc. from the University of Ulster in Northern Ireland. Prior to the NFPA he worked in the area of Fire Safety Design at EML Architects in Limerick, Ireland. He was one of the principle technicians responsible for all fire safety endeavors within the company. Michael is a recognized member of the Institute of Fire Engineers (IFE). He currently focuses his efforts on the development of NFPA 921 and 1033. Michael works closely with the Fire Investigations and Fire Investigator Professional Qualifications Committees to continuously update these industry standards.

**Seminar counts for 16 hours of instruction  
towards FM CEUs.**

# Registration Form

## PLEASE PRINT

Name \_\_\_\_\_

Title \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

## Invoice Payment Options

Member \$300

Non Member \$350

Add 2017 Dues \$25

Back Dues \$25

I will be attending the social on  
Thursday evening

Gluten free requested

TOTAL \$\_\_\_\_\_

Federal tax ID: 22-3007527

Please mail completed registration form  
with your check made payable to CT-IAAI to:

**NEW  
ADDRESS!**

**CT Chapter IAAI  
PO Box 3094  
Vernon, CT 06066**

## Registration deadline is October 29, 2016.

To become a member, go to our website at [iaai-ct.org](http://iaai-ct.org), download and complete the membership application and include both application and payment with this registration form.

## Payment, signed PO, or copy of CT Fair Plan application must be enclosed.

Price includes breaks, lunch for both days &  
social hour reception on November 17th.

### Hotel Information:

**Sheraton Hartford South Hotel**  
(former Hartford Marriott Rocky Hill)

100 Capital Blvd  
Rocky Hill, CT 06067  
860.257.6000

(exit 23 off I-91)

Reference the CT-IAAI in order to receive the  
quoted rate of \$149/night.  
Reservations must be made by 5 pm on  
October 29, 2016.