

Idaho Chapter of the IAAI 2017 Annual Conference & Business Meeting



November 7-9, 2017

Register: www.firearson.com

225.00 Registration Fee

(Includes lunch & snacks)

There will be special rates for lodging available

[Wyndham Garden Hotel Room rate \\$86.00](#)

3300 S. Vista Ave.

Boise, ID 83705

208 -343-4900

Fire Dynamics and Use of damage in fire investigation

***Greg Gorbett, Associate Professor, Fire
Arson and Explosion Investigation
degree Program @ EKU***

November 7 - 8

Participants will acquire a working knowledge of fire science and be able to apply this knowledge to assess possible ignition mechanisms, burn patterns, and analyze fire spread. Ignition sequence concepts will be discussed with a focus towards identifying competencies of the heat source in the context of the first fuel ignited. This workshop will also explore the interpretation and limitations of the physical evidence from a fire scene. Participants will develop an understanding of fire dynamics within compartments, including compartment fire behavior, heat transfer, pre- and post-flashover conditions, and heat release rate curves.

These fundamental concepts will be linked to fire pattern development and how patterns can be accurately used in determining the area of origin. Current research related to the inappropriate and appropriate uses of fire damage.

DNA and Fire Debris Evidence Collection/ Packaging

***Jade McDaniel, Forensic Scientist, ISP Forensic Svcs.
David Sincerbeaux, Forensic Scientist III, ISP Forensic Svcs.***
November 9 08:00-12:00

This class is a general discussion on what laboratory services we can provide as they pertain to Arson investigations. A presentation on the importance of proper packaging.

BASIC ORIGIN AND CAUSE

Cory Dennert, Prevention Officer, Idaho Falls Fire Dept.

November 7-9

The purpose of this 20 hour (2.5 days) course is to provide: New fire investigators, first responders, law enforcement, Wildland firefighters and fire department company officers a basic understanding of origin and cause determination. This course is also a great refresher for seasoned fire investigators. This course will provide the tools to understand the key role they play in the fire scene examination and in preserving and protecting the area of origin and the fire scene. He will also define the roles investigators have in the detection of intentionally set fires and the knowledge to recognize the potential of intentionally set fires.



IDAHO CHAPTER OF THE INTERNATIONAL ASSOCIATION OF ARSON INVESTIGATORS

WWW.IDFIREINVESTIGATORS.ORG

Instructor Biographies

Greg Gorbett is an Associate Professor in the Fire, Arson and Explosion Investigation degree Program at Eastern Kentucky University in Richmond, Kentucky. He serves as a vice chair for the *Fire and Arson Investigator* Journal of the IAAI, as a principle member of NFPA 921-Guide for Fire and Explosion Investigations, and as a principle member of NFPA 1033-Standard for Professional Qualifications for Fire Investigator. He also currently serves as the secretary for the Fire and Explosion Investigation subcommittee for the Organization of Scientific Area Committees as part of an initiative by NIST and Department of Justice to strengthen forensic science in the United States.

For the past 16-years, he has worked as a fire and explosion expert and currently runs his own consulting firm. Mr. Gorbett holds two Bachelor of Science degrees, one in Fire Science, and the other in Forensic Science. He also holds two Master of Science degrees, one in Executive Fire Service Leadership, and the other in Fire Protection Engineering. He also holds a Ph.D. in Fire Protection Engineering. Additionally he is certified as a CFEI, IAAI-CFI, CFPS, CVFI, and CFII.

Jade McDaniel is a Forensic Scientist in the Biology/DNA Unit at Idaho State Police Forensic Services. She earned her Bachelor of Science in Biology from the University of Idaho and Master of Science in Forensic Science from Michigan State University. Prior to joining ISP in August 2016, Jade worked as a Forensic Scientist for approximately 4.5 years at the Ohio Bureau of Criminal Investigation.

David Sincerbeaux is a Forensic Scientist III with the Idaho State Police where he's been employed since February 1997. His duties include Controlled Substance analysis, Fire Debris analysis, Clanlab and crime scene response, writing and validation of analytical methods. He earned his Bachelor of Science degree in Chemistry from California State University-Northridge in 1984.