Northwest Fire Investigators Association
and
International Association of Arson Investigators
Washington State Chapter #21

present the

2017
Pacific Northwest
Fire Investigation Symposium

May 8 - 12, 2017
Icicle Village Resort
Leavenworth, Washington

www.nwfire.org

www.iaai-wa.org

Register online at www.nwfire.org
Registration cost: $425 ($475 after March 30, 2017)
In July of 2006, a two-story Kirkland house was nearly destroyed by a raging fire and in which four deceased individuals were found. The WSP CSRT was requested to assist in the multi-agency investigation. With the quantity of water required during suppression activities, it was initially expected that any bloodstain pattern analysis evidence would have been destroyed. This expectation was found to be incorrect and bloodstains were still present. This presentation will present portions of the crime scene investigation, specialized laboratory experiments, and the evidence results from several controlled house burns.
Digital Forensic Photography

Limited to 25 students

Intermediate - I

Ron Taniwaki, Nikon USA

Students will review and practice the basics of image exposure and camera handling techniques as they pertain to forensic photography. Students will learn how to dramatically improve the quality of their images. Chain of custody, basic standard operating procedures (SOP) and digital workflows will be addressed. Students will learn how to use a variety of lighting techniques for documenting a crime scene, close-up techniques and tools to document fingerprints, footwear, and tire track impressions, how to select and position scales, and how to level cameras to reduce axial distortion. Students will also participate in a night-time photography exercise.

Students should bring the following equipment: DSLR camera body; Zoom lens; Close-up lens; Electronic flash; TTL off-shoe flash cord, and a tripod.

Register online at www.nwfire.org
Registration cost: $425 ($475 after March 30, 2017)
Wildland Fire Investigation
Limited to 24 students - Attendance limited to those with a public agency affiliation

Intermediate - II

Albert Kassel, Washington State Department of Natural Resources
Dennis Heryford, Washington State Department of Natural Resources

The primary purpose of this course is to provide a consistent knowledge and skill base for the wildland fire investigator. The concepts taught in this course will help an investigator perform at an acceptable level on a national basis without regard to geographic boundaries. The course is presented by lectures, electronic presentations, field exercises, and class discussion.

Students will perform the common roles and responsibilities of an investigator involved in an initial investigation environment, practice wildland fire investigation methods, evidence collection and documentation processes in a realistic environment, and be able to identify the laws, regulations and related court procedures associated with administrative, civil and criminal litigation processes. Students successfully completing the class will receive NWCG certificates to allow this certification to be added to their Red Cards.

Students will need to bring appropriate wildland PPE and investigative kits for field exercises.

Register online at www.nwfire.org
Registration cost: $425 ($475 after March 30, 2017)
This educational track is designed to provide the investigator, whether brand new or seasoned, the tools necessary to complete a fire investigation by using the scientific method. It will cover the initial scene examination, conducting follow up investigation with other fire investigative professionals, completing the origin-and-cause report and preparing the investigator for testimony, including preparing your Curriculum Vitae and courtroom testimony techniques in a mock trial exercise.

**Application of Fire Dynamics for Origin and Cause Determination**

**Limited to 25 students**

**Dr. Greg Gorbet, P.E., Eastern Kentucky University**

This course introduces investigators to fire dynamics as it applies to origin and cause determinations. Participants will develop an understanding of fire dynamics within compartments, including compartment fire behavior, heat transfer, pre- and post-flashover conditions, heat release rate curves, and basic computer modeling. These fundamental concepts will be linked to fire pattern development and how patterns can be accurately used in determining the area of origin. Scene processing techniques will be described and implemented during field exercises. New process for origin determination will be described and implemented in practical exercises.

Students should bring work clothes, helmet, and a basic set of tools for the hands-on exercise.

**Closing Session**

**Lt. Stephanie Moor, Coast Guard Marine Investigations and Fire Investigations**

Lt. Moore will discuss the unique authorities and jurisdictions afforded to Marine Casualty Investigators by US Code as well as reporting requirements for vessels. The current process for Marine Casualty Investigators responding to fires on vessels will be discussed along the structure of the associated reports. Key case studies will be presented that highlight the Coast Guard's goal of preventing future occurrences through Marine Casualty Investigations.

Register online at [www.nwfire.org](http://www.nwfire.org)

Registration cost: $425 ($475 after March 30, 2017)
### Monday - May 8

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:45 - 7:15</td>
<td>Class check-in and report to Leavenworth Fire Station by 7:30</td>
</tr>
<tr>
<td>9:00 - 12:00</td>
<td>Enjoy breakfast at the hotel while you wait for check-in to start at 9:00!</td>
</tr>
<tr>
<td>1:00 - 5:00</td>
<td>Conference check-in @ hotel lobby</td>
</tr>
<tr>
<td>7:00 - 9:00</td>
<td>Opening Session - Tumwater Ballroom</td>
</tr>
</tbody>
</table>

**Wildland Fire Investigation**

The intent is that after a student completes the Basic Fire Investigation course, we offer the Intermediate I level to provide more in-depth study on the various subjects offered in the Basic class. At the student gains experience and knowledge, the Intermediate II level increases the complexity and comprehensive training on various subjects. At the Advanced level, you would expect to see fire investigators with years of experience and a background of many fire investigations. There is no set time that a fire investigator would spend studying at each level, this is just a guide to help a person determine which level of study to attend.
Hotel Information

Be sure to mention that you are attending our symposium!
The hotel has a limited number of rooms available at the state per-diem rate.

Icicle Village Resort
505 Highway 2 - Leavenworth, WA 98826
Phone: (509) 548-7000 or (800) 961-0162
Fax: (509) 548-7050
Email: guestservices@iciclevillage.com
www.iciclevillage.com

Special Conference Rates for Early Registration
One person - $89 + tax
One King bed - Two persons - $104 + tax
Two Queen beds - Two persons - $109 + tax
Extra people (up to four total per double queen room) additional $10 + tax each

More accommodation options can be found at [www.leavenworth.org/lodging](http://www.leavenworth.org/lodging)

Certification Testing

For those attendees desiring “TESTED” credit on their symposium certificate, a written test will be available following the final session on Friday morning.

Washington State / IFSAC CFI Written Exam
For those seeking IFSAC CFI certification, we have arranged for the written portion of the exam to be administered on Friday morning.

Those wishing to take this exam must submit the application paperwork **BEFORE MARCH 31** to be eligible to test. **There will be no exceptions to this requirement!** To receive the application paperwork, or for more information, send an email to PNWFICTesting@gmail.com with your contact information.

A big thank you to Cheryl Barth for sharing your 2015 conference photos for this flyer!

Register online at [www.nwfire.org](http://www.nwfire.org)
Registration cost: $425 ($475 after March 30, 2017)