

# Hands-On Vehicle Fire/Arson Investigation

Tactics, Techniques and Procedures in Vehicle Fire Origin and Cause Determination, Investigation and Documentation

This training module will utilize both classroom and hands-on practical exercises to maximize learning.

For the practical exercises, we will provide the evidence collection containers, evidence tape, digital cameras, gloves and all necessary investigation equipment to conduct a practical vehicle examination. This exercise may require some vehicle reconstruction.

We recommend you bring a helmet or hardhat, coveralls, boots, or whatever you feel is appropriate.

Important: This two and a half day training module is presented in a very user friendly and easy to understand method of instruction. You will be able to put into immediate practice the skills you learn in this training.

Important for NAFI-CFEI and IAAI Certified Fire Investigators (IAAI-CFI®): At the end of this course, a post-test will be given for those who need CFI points or CFEI hours for certification or recertification.

## “The Certified Fire and Explosion Investigator (C.F.E.I.) Examination” (National Association of Fire Investigators)

(C.F.E.I.) Examination and the Certified Vehicle Fire Investigator examinations will be offered to those who qualify

Certifications will be granted to those whose applications are accepted and pass the examination.

**Applications for membership and certification will be available at the class.**

For additional information, call the NAFI office (877) 506-NAFI or visit the Website at [www.nafi.org](http://www.nafi.org). Membership fee is \$55.00 per year and Certification cost is \$125.00. You must be a member of NAFI to be eligible to take the certification test. The NAFI membership application can be completed and turned in with the certification test. You must remain an active NAFI member to maintain your certification status.

**“Certification testing will be offered immediately following the first or second day of training”**

Please go to [www.nafi.org](http://www.nafi.org) to download the CFEI application and have completed prior to class. Bring completed application to the class.  
**DO NOT MAIL APPLICATION TO NAFI.**

### National Fire Arson Investigation Training Institute

700 N. Carr Rd., # 595  
Plainfield, IN 46168

Phone: 317-386-8325

Fax: 317-386-8228

Visit us on the Web at:

[WWW.LLRMI.COM](http://WWW.LLRMI.COM)



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July 26, 27 & 28, 2022 • Lawrence, Indiana



## National Fire Arson Investigation Training Institute

A Division of Legal and Liability Risk Management Institute

Sponsored By:

**City of Lawrence Fire Department**

Lawrence, Indiana

**Indiana Law Enforcement Academy  
Provider Number 81-0692135**

Training Seminar



Steve Riggs, *Director*

# Hands-On Vehicle Fire/Arson Investigation

Tactics, Techniques and Procedures in Vehicle Fire Origin and Cause Determination, Investigation and Documentation

### When • Where

**July 26, 27 & 28, 2022**

Lawrence, Indiana

**Register On-Line At: [WWW.LLRMI.COM](http://WWW.LLRMI.COM)**

### Instructor:

**Steve Riggs, IAAI-CFI, CFEI, CVFI & CFII Certified**

**State of Oklahoma (Retired)**

Steve Riggs retired after twenty-two years of Law Enforcement, and Fire Service Experience in Oklahoma. Steve has been examining fire scenes for 40 years. Steve holds a Bachelors Degree in Emergency Management, and has extensive training in Fire Cause Determination, Criminal Investigation, Arson Investigation, Evidence Processing, Interviewing Techniques, and Case Management. He is a Certified Police and Fire Instructor and a Certified Fire Investigator Instructor. Mr. Riggs has successfully been involved in many Fire/Arson Prosecutions in Oklahoma and was involved in a Federal Prosecution. **To date, he has never lost an Arson Case.** Steve has authored and co-authored several fire training manuals and written "A Critical Analysis of NFPA 921 User's Manual 2nd Edition". Steve lectures nationally to Local, State, Federal Agencies, Insurance Companies, Private, and Military Investigators, Prosecutors, Vehicle Manufacture Representatives and their Engineers. Steve is on the Board of Directors for the National Association of Fire Investigators.

# Hands-On Vehicle Fire/Arson Investigation

Tactics, Techniques and Procedures in Vehicle Fire Origin and Cause Determination, Investigation and Documentation

## Course Objectives:

This 2½ day training module will provide the fire/arson investigator with the practical and technical skills necessary to investigate and determine the area of origin(s) of vehicle fires.

This training module will provide both classroom and hands-on training with practical exercises on how to conduct a systematic, thorough, and scientific examination of the vehicle.

Attendees will be provided the necessary knowledge of vehicle design, electrical systems, fuel systems, and their components that will be encountered in a motor vehicle, including alternative fuels. We will examine how these components can fail or cause fires.

## Upon Successful Completion:

Attendees will have been provided the necessary skills and knowledge to:

- ▶ Demonstrate the proper systematic approach and scientific method necessary for examining vehicle fires.
- ▶ Understand basic vehicle design and electrical systems.
- ▶ Demonstrate a working knowledge of wiring used in motor vehicles and the presence of electrical activity on those wires.
- ▶ Demonstrate a working knowledge of safety devices (fuses, breakers and fusible links or cartridges).
- ▶ Demonstrate the knowledge on how to properly document the vehicle fire.
- ▶ Demonstrate the knowledge to photographing the vehicle fire scene in a systematic manner.
- ▶ Demonstrate the knowledge of collecting evidence from the vehicle fire scene.
- ▶ Demonstrate the knowledge in accordance with National Fire Protection Association 921 Guide for Fire and Explosion Investigation and 1033 Professional Qualifications for Fire Investigators. Note: Current editions will be referenced.
- ▶ Demonstrate knowledge of how to obtain recall, technical service bulletin information, consumer complaint information and general research information regarding vehicle fire investigation.
- ▶ Attendees will learn the proper techniques for documenting, photographing, evidence collection and preservation including preparing a proper written report.
- ▶ A download resource file will be available to the investigators for download including hybrids, the fire tests, and group vehicle examinations. The file is several gigabytes in content.

# Seminar Agenda Hands-On Vehicle Fire/Arson Investigation

Tactics, Techniques and Procedures in Vehicle Fire Origin and Cause Determination, Investigation and Documentation

July 26, 27 & 28, 2022 • Lawrence, Indiana

## Tuesday, July 26, 2022

- 8:00 a.m. - 8:30 a.m. **Registration**
- 8:30 a.m. - 9:00 a.m. Vehicle Fire Overview
- 9:00 a.m. - 12:00 p.m. Basic Vehicle Design and Electrical Components
- 12:00 p.m. - 1:00 p.m. **Lunch (On Your Own)**
- 1:00 p.m. - 5:00 p.m. Vehicle information Continued. Live Burns will be Conducted Weather Permitting (Class Participation)

## Wednesday, July 27, 2022

- 8:00 a.m. - 12:00 p.m. Vehicle Examination, Documentation Vehicle Component and Burn Pattern Diagramming, and Narrative Preparation, Use of Internet Research for Vehicle Recalls, Technical Service Bulletins, Consumer Complaints, Wiring Diagrams, etc. Sample Collecting and Documentation, Important Referenced Information From NFPA 921, 1033 and FMVSS 301, 302,303,304 & 305.
- 12:00 p.m. - 1:00 p.m. **Lunch (On Your Own)**
- 1:00 p.m. - 5:00 p.m. Hands-On Vehicle Examination and Documentation Group Exercise  
**NOTE:** Each Group will be Provided with the Tools and Digital Cameras to Accomplish Their Vehicle Investigation and Examination.  
**NOTE:** You May Bring Your Own Cameras and/or Video Equipment If You Wish To Take Pictures To Keep For Yourself.

## Thursday, July 28, 2022

- 8:00 a.m. - 12:00 p.m. Heavy Equipment, Hybrid Investigations, Group Presentations and Final Test
- 12:00 p.m. **Certificate Presentation**

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## 3 Ways to Register for a Seminar!

### Ways to Register

1. **Register Online:** WWW.LLRMI.COM

2. **Fax Form:** 317-386-8228

3. **Mail Form to:**

**National Fire Arson Investigation Training Institute**  
700 N. Carr Rd., # 595  
Plainfield, Indiana 46168

**Federal ID: 81-0692135**

If you have any questions please call

**317-386-8325**

Upon receiving your registration we will send an invoice to the department or agency.

Checks, Claim Forms, Purchase Orders should be made payable to: LLRMI

**Seminar Title:** Hands-On Vehicle Fire/Arson Investigation

**Instructor:** Steve Riggs

**Seminar Location:** Ivy Tech Public Safety Technology Training Center  
9530 East 59th Street  
Lawrence, Indiana 46216

**When:** July 26, 27 & 28, 2022

**Registration Time:** 8:00 a.m. (July 26, 2022)

**Hotel Reservations:** Hampton Inn Indianapolis/Castleton  
6817 East 82nd Street  
Indianapolis, Indiana 46250  
1-317-576-0220  
\$119.00 Standard King (plus tax)

**Registration Fee** \$295.00 Includes Hands-On Vehicle Fire/Arson Investigation, Printed Training Manual and Certificate of Completion.

**Seminar ID**  
**#15905**

**Note:**  
To receive special room rates, ask for  
**Group Code: Vehicle Fire Investigations**

**Names of Attendees 1.** \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

**Agency** \_\_\_\_\_

**Invoice To Attn:** \_\_\_\_\_  
(Must Be Completed)

**Address** \_\_\_\_\_

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

**Email** \_\_\_\_\_

**Phone** \_\_\_\_\_ **Fax** \_\_\_\_\_