

# RON SMITH AND ASSOCIATES, INC.

## THE ANALYSIS AND COMPARISON OF FOOTWEAR IMPRESSION EVIDENCE

Indianapolis, IN | June 10-14, 2019



**Class Instructor:**  
Jon Byrd, CLPE, CFWE

**4.5 Day Course**

**36 Training Hours**

**\$550.00 Tuition**

**This course is approved  
for IAI certification and  
recertification purposes**



**RS&A recommends  
taking our classes in  
order of our Sequential  
Training Curriculum**

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CURRICULUM**



**GO TO NEXT PAGE FOR  
COURSE BROCHURE**

### CLASS CONTACT

Kathleen Boone, Trace Evidence Unit Supervisor  
Indiana State Police Laboratory  
317-921-5393  
kboone@isp.in.gov

### CLASS LOCATION

Indiana State Police Laboratory  
550 W. 16th Street, Suite C  
Indianapolis, IN 46202  
Class Times: Monday - Thursday 08:00 am to 05:00 pm Friday 08:00 am to 12:00 pm

### LODGING INFORMATION

Although we cannot endorse any particular hotel property, we have confirmed that the following lodging is within a reasonable commuting distance to the training site.

**Courtyard By Marriott Indianapolis at the Capitol**  
320 North Senate Avenue  
Indianapolis, IN 46204  
317-684-7733

[CLICK HERE FOR ONLINE RESERVATIONS](#)

### COURSE DESCRIPTION

Do you need a better understanding of footwear evidence or are you ready to begin the process of learning how to analyze and compare this vital form of physical evidence? Then get started with this full 36 hour course that will walk you through all of the steps in the examination, analysis and comparison process. Novices and experienced examiners will gain confidence as they participate in the lectures, discussions, demonstrations and hands-on case work examples. Each student will be assigned over 20 cases during class that represent a variety of the challenges found in real case work.

### TARGET AUDIENCE

This course is appropriate for beginning footwear examiners as a baseline fundamental course as well as experienced footwear examiners interested in a refresher course. Footwear examiners of all experience levels will benefit from the course material discussing current issues, research, processing techniques and other resources to remain current in the field.

### SPECIAL NOTES FOR STUDENTS

Students should wear appropriate business casual clothing for both indoor and outdoor practical exercises. Clothing can be soiled or ruined during the practical exercises due to chemicals and/or working outside. Students are asked to bring the following: writing instruments of several colors (highlighters or pens), a flashlight, digital camera (digital SLR preferred) and instruction manual, lens, batteries for camera and flash, digital media, off-camera flash and instruction manual, remote flash cord, and tripod (if available). These items are not required to attend class but are strongly recommended to enhance the learning experience.

### REGISTER AND PAY TUITION ONLINE

Training registration and tuition fees can now be completed online in the new RS&A e-Store!

- Online registration is fast and easy!
- Pay class tuition using your credit card, request an invoice, or choose check by mail.

Visit [www.RonSmithandAssociates.com/Training](http://www.RonSmithandAssociates.com/Training) to select your class and register online today!

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## THE ANALYSIS AND COMPARISON OF FOOTWEAR IMPRESSION EVIDENCE



**Class Instructor:**  
Jon Byrd, CLPE, CFWE



**Class Instructor:**  
Christine Snyder, Ph.D.,  
CFWE, CSCSA

**4.5 Day Course**

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### COURSE DESCRIPTION

This course will cover the basic fundamentals of the footwear examination process and is essential for all forensics professionals involved in the examination of footwear impression evidence including both novice and experienced examiners.

The course will provide a:

- \* Foundational knowledge of the examination process including -
  - \* outsole manufacturing processes
  - \* class characteristics
  - \* wear characteristics
  - \* randomly acquired characteristics,
- \* Thorough understanding of the analysis of the evidence and comparison methodology
- \* An understanding of proper note taking techniques and how to provide reports that accurately reflect your examination, analysis and conclusions
- \* An understanding of how to testify to your findings

Participants will learn to:

- \* Evaluate impressions
- \* Prepare test impressions from known shoes
- \* Take notes during the process
- \* Conduct comparisons
- \* Write reports and provide expert testimony on mock cases.

Participants will utilize the knowledge gained in class to conduct multiple mock comparison cases and reach opinions in order to build their confidence and knowledge of the examination process.

The course will also provide information regarding proper terminology, current research, techniques to search for outsole designs, court and admissibility issues, and the role of the shoe manufacturer in casework.

A brief explanation of various recovery methods including photography, casting, dust print lifting and chemical processing techniques used for two-dimensional and three-dimensional impressions will be provided, including hands-on practical exercises, to ensure that the participant understands and can properly utilize various techniques in future footwear casework.

### TARGET AUDIENCE

This course is appropriate and necessary for anyone tasked with detecting, photographing and collecting footwear and tire track impression evidence. Patrol officers, detectives, crime scene personnel and others are welcome to attend. Whether you are a novice or perhaps a bit more seasoned, you will acquire new knowledge, skills and abilities to better perform your job and serve your community.

### MUST BRING TO CLASS

Students should wear appropriate business casual clothing for both indoor and outdoor practical exercises. Clothing can be soiled or ruined during the practical exercises due to chemicals and/or working outside. Students are asked to bring the following: writing instruments of several colors (highlighters or pens), a flashlight, digital camera (digital SLR preferred) and instruction manual, lens, batteries for camera and flash, digital media, off-camera flash and instruction manual, remote flash cord, and tripod (if available). These items are not required to attend class but are strongly

### SHOULD BE ABLE TO PERFORM

The students should be able to:

- \* Evaluate photography methods of footwear evidence and consider the impact on the comparison process.
- \* Evaluate the collection and processing methods utilized and consider the impact on the comparison process.
- \* Evaluate the effects of surface type, substrate, matrix, and the environment on the quality of footwear impressions.
- \* Document the various steps of footwear casework using note taking and photography.
- \* Understand and utilize proper footwear impression terminology during the examination process.
- \* Understand class, wear and randomly acquired characteristics found in footwear evidence.
- \* Understand the manufacturing process and its impact on the comparison process.
- \* Analyze the significance of class, wear and randomly acquired characteristics in order to reach an opinion.
- \* Collect two and three-dimensional known standards of footwear evidence using a variety of methods.
- \* Conduct a series of footwear comparisons and apply their knowledge to reach conclusions.
- \* Use accepted terminology and conclusions to write reports that clearly convey their examination process and opinions.
- \* Properly present a footwear comparison and their opinion in court.

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### DAILY SCHEDULE

|        | Day 1  | Day 2  | Day 3                                | Day 4  | Day 5                               |
|--------|--|--|--------------------------------------|--|-------------------------------------|
| Hour 1 | Registration<br>Course Overview<br>Introductions         | Introduction- Class, Wear, Individual Characteristics<br>Lecture |                                      | Conclusions / Report Writing<br>Lecture                      | NAS Report / OSAC's Lecture         |
| Hour 2 | Introduction: Footwear Impression Evidence<br>Lecture    | Photography and Casting Exercises                                | Class/Wear Comparison Exercises      | Comparison Exercises   | Case Presentations / Reviews        |
| Hour 3 | Collection methods- 2-Dimensional Impressions<br>Lecture | Manufacturing<br>Lecture   |                                      |  |                                     |
| Hour 4 | Lifting Exercises<br>DELK, Gelatin, Adhesive Lifts       | Manufacturing Videos   | Review Comparison Exercises          | Review Comparison Exercises                                  | Course Certificates and Evaluations |
| Lunch  | Lunch  | Lunch  | Lunch                                | Lunch  |                                     |
| Hour 5 | Collection methods- 3-Dimensional Impressions<br>Lecture | Cast Collection/ Clean-up  | Chemical Enhancement Exercises       | Court Testimony / Presentations and Admissibility<br>Lecture |                                     |
| Hour 6 | Photography of Footwear Impressions<br>Lecture           | Footwear Standards<br>Lecture                                    | Case Note / Analysis<br>Lecture      | Comparison Exercises   |                                     |
| Hour 7 | Photography Exercises                                    | Footwear Standards Exercises                                     | Footwear Searches / SICAR<br>Lecture |  |                                     |
| Hour 8 |  | Analysis of standards and known shoes                            | Design / Analysis<br>Case Exercises  |  |                                     |

### RECOMMENDED READING

*Bodziak, William J. Footwear Impression Evidence: Detection, Recovery, and Examination; 2nd ed. 2000, CRC Press LLC, Boca Raton, Florida.*

### HOST A CLASS

Desks or tables for each participant, including room to work on cases, PowerPoint projector and screen, and two tables for the instructor. The room should have ample lighting, the ability to darken the room and chairs for 24 attendees. An area suitable for processing items with chemicals (indoors or outdoors) and an area suitable for casting with dental stone (best if it is outdoors, depending upon the weather).

### I.A.I. APPROVED TRAINING HOURS

This course provides 36 training hours and is approved for IAI Certification and re-certification.

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