

# RON SMITH AND ASSOCIATES, INC.

## COMPLEX LATENT PRINT EXAMINATION

Pasadena, CA | June 3-7, 2019



**Class Instructor:**  
Debbie Benningfield,  
CLPE

**5 Day Course**

**40 Training Hours**

**\$600.00 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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SEQUENTIAL TRAINING  
CURRICULUM](#)



**GO TO NEXT PAGE FOR  
COURSE BROCHURE**

### CLASS CONTACTS

Jonathan Schmidt, Forensic Specialist  
Pasadena Police Department  
626-744-6678  
[jschmidt@cityofpasadena.net](mailto:jschmidt@cityofpasadena.net)

### CLASS LOCATION

Pasadena Police Department  
207 N. Garfield Avenue  
Second Floor Large Assembly Room  
Pasadena, CA 91101  
Class Times: 08:00 AM to 05:00 PM

*\*\*Park in the parking structure off Ramona Ave on  
the west side of the police department.  
Enter through the front lobby.*

### 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**  
180 North Fair Oaks Avenue  
Pasadena, CA 91103  
626-403-7600  
[CLICK FOR ONLINE RESERVATION](#)

**Residence Inn**  
21 W. Walnut St.  
Pasadena, CA 91103  
[CLICK FOR ONLINE RESERVATION](#)

### TARGET AUDIENCE

This course is primarily designed for the more experienced examiner by advancing to the comparison of more complex prints, e.g., distorted, multiple impression overlay, tonal reversed, etc. However, it still allows less experienced examiners gain valuable "time under the glass" by starting with the less difficult comparisons then proceed to the more complex prints at their own pace. Familiarity with basic fingerprint terms such as delta, core, pattern area, ridge events are important to understand prior to attending this course.

### SPECIAL NOTES FOR STUDENTS

Magnifier(s), ridge counters, pen, red thin sharpie pen and paper. It is highly recommended that at least a 5x power magnifier be brought to the class.

Dress is business casual

### 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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### COURSE DESCRIPTION

This course is designed to assist the examiner in understanding the complexity of friction ridge detail. Students will learn valuable searching smart skills that can be applied for all areas of friction ridge examination. An overview of the detail of friction ridge skin of the fingers and palms and then will progress into the areas of tonal reversal, mirror prints, overlapping prints, distorted prints, etc. Even with the most challenging friction ridge detail, there are usually visual clues that can be used in the analysis and comparison process. Step by step instructions and practical exercises in the ACE-V Methodology will give the students more insight to assist them in properly analyzing these complex prints.

Not all friction ridge detail left behind at crime scenes are from the hand area. Did you ever consider that it could have come from friction ridge detail found on the foot? Did you know that our feet have friction ridge detail that has unique features? A presentation will be given to discuss the unique friction ridge detail found on our feet.

Part of the scientific process is documenting the analysis based on observed "objective" data. Students will be presented the SWGFAST Documenting the ACE-V Standard and then will be given a practical exercise containing various latent prints to document their analysis.

How do Frye, Daubert and Kumho affect you? What are some of the questions you can expect at a "Daubert Hearing?" What resources do you have available to assist you in responding to a Plaza style challenge to the science of fingerprints? What is a Plaza challenge? What resources do you have available for your personal development in the science? What resources do you have at your disposal in establishing guidelines for your latent print unit? All these questions and more will be answered during this intense week of presentations, comparison exercises, conducted both individually and as a group (bring those magnifiers), and a "hands on" application of much of the material presented.

What has happened since the National Academy of Science (NAS) in their released report? We will be discussing the impact this report has had and continues to have on examiners.

Students will receive instructions on:

- \* Searching Smart techniques
- \* Palm Print location/orientation
- \* Analyzing complex prints such as tonal reversed, image reversed, overlay, pressure distortion issues, etc.)
- \* Footprint Ridge Detail
- \* Daubert issues
- \* SWGFAST ACE-V Methodology Standard
- \* SWGFAST Documentation Standard

### TARGET AUDIENCE

This course is primarily designed for the more experienced examiner by advancing to the comparison of more complex prints, e.g., distorted, multiple impression overlay, tonal reversed, etc. However, it still allows less experienced examiners gain valuable "time under the glass" by starting with the less difficult comparisons then proceed to the more complex prints at their own pace. Familiarity with basic fingerprint terms such as delta, core, pattern area, ridge events are important to understand prior to attending this course.

### SHOULD BE ABLE TO PERFORM

At the conclusion of this course students will know the value of searching smart and using visual clues to help analyze complex prints. They will learn how to document their findings using the SWGFAST Documenting the ACE-V Standard. They will also hear about the challenges in the legal system and their impact on their work as examiners. Finally, the students will learn about the IAI Latent Print Certification Program and the importance of achieving certification.

### MUST BRING TO CLASS

Magnifier(s), ridge counters, pen, red thin sharpie pen and paper. It is highly recommended that at least a 5x power magnifier be brought to the class.

Dress is business casual as the course will be conducted in a professional environment and facility.

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## COMPLEX LATENT PRINT EXAMINATION

### DAILY SCHEDULE

	Day 1	Day 2	Day 3	Day 4	Day 5
Hour 1	Instructor & Student Introduction	Fingerprint Analysis	Footprint Ridge Detail	SWGFAST Documenting the ACE-V Process Presentation	Daubert Trilogy NAS Report
Hour 2	Scientific Basis of Friction Ridge detail	Palm Print Orientation & Location Exercise	Complex Print Presentation (distortion, tonal reversed, print overlay)		
Hour 3	SWGFAST ACE-V Methodology				
Hour 4					
Noon	Lunch	Lunch	Lunch	Lunch	Lunch
Hour 5	Technical Reviews vs. Administrative Reviews	Palm Print Analysis / Comparison Exercise	Complex Print Presentation (distortion, tonal reversed, print overlay)	Documentation Exercise	Legislative Updates
Hour 6	Searching Smart				Final Exam
Hour 7	Fingerprint Analysis				Review of Digit and Palm Print Exercises
Hour 8		Class Exercise	Presentation of Certificates		

### HOST A CLASS

AV: Overhead Projector, Audio, Computer screen, writing board or tablet

Seating: Ample seating for each student to spread out their comparison material

Lighting: Plenty of bright natural and/or overhead lighting sufficient to perform detailed comparisons

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

This course provides 40 training hours and is approved for IAI Certification and re-certification.

