

# *Education & Training Programs*

2019 Schedule



**SIRCHIE<sup>®</sup>**

Education & Training

[www.sirchie.com](http://www.sirchie.com)

## Introduction Letter

Dear Future Sirchie Students,

In 2018 SIRCHIE celebrated its 90th year of being in the business of serving the Law Enforcement community. In the very beginning, SIRCHIE manufactured the basic tools of crime scene investigation, producing fingerprinting inks, rollers, cards, fingerprint powder, and fingerprint brushes. The crime scene investigation tool box was quite small and limited to the technology of the times. Now ninety years later, forensic science has grown through research, technological advance, and expanded personnel, and the toolbox thankfully has gotten much bigger.

As forensic technology and techniques have advanced, so has SIRCHIE. And as a part of that advancement, so has the Education and Training division. Starting in the 1980's, SIRCHIE began the Crime Scene Technology training program. At the time, police departments would purchase SIRCHIE's products without ever being trained how to properly use them. In response to the lack of knowledge and to improve crime scene investigation, SIRCHIE launched its training program.

Over the years, the program has grown. The Crime Scene Technology class expanded to include many new technologies and techniques, such as alternate light sources, RUVIS, and DNA collection. Classes on latent fingerprint examination were added, as well as classes in crime scene photography, blood pattern recognition, firearms and tool marks, and footwear evidence. In recent years, classes have even expanded off campus through partnership with host departments. Now SIRCHIE offers an average of 18 off-campus classes each year and look to grow in 2019.

As we enter 2019, we will expand upon our successful forensic courses, adding some additional topics, expanding our hosted off-campus offerings, and finally, expanding our reach even further by launching an on-line offering under the banner of the SIRCHIE ACADEMY. In January of 2019 we will begin offering select short skill based classes that can be taken at anytime and anyplace. These will not replace our full course offerings, but will serve as a complimentary offering allowing those who cannot attend the full courses the ability to learn a few new skills.

Thank you for your interest in SIRCHIE Education and Training and we hope you can take advantage of many of our opportunities. I look forward to having you train with us.

Sincerely,



**Dyer Bennett**

*Vice President of Product Development & Training*



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## Corrections Investigation

This course will cover how to properly conduct an investigation in a corrections environment according to accepted best practices.

**See Page 16 for details!**



## Fundamentals of Riot and Crowd Control

This class will cover the fundamentals of riot and crowd control so that you can be well-prepared for unrest.

**See Page 17 for details!**



## On-the-Road Classes & Free Online Training

### We can come to you: Training classes at your location

Understanding that travel budgets can be tight, we offer a three day version of our flagship Evidence Collection class on location at host department facilities. In the past three years, we've held 42 sessions at departments and agencies around the US and in other countries. While our Evidence Collection class remains the most popular option, some specialty courses are also available.

#### On-Site Training Benefits

- Complete course in three days with same hands on experience as at SIRCHIE
- Ability to conduct a closed in-house course and tailor it to your specific needs
- Build communication and interactions with other local departments through hosted training

#### Offered On-Site Classes

- Evidence Collection and Processing (No. OST100)
- Crime Scene Photography (No. OST200)
- Blood Spatter Documentation (No. OST300)
- Corrections Investigations (No. OST400)



#### Feedback includes

*"The instructors are awesome and really kept the students engaged. One student told me it was a great hands-on training and that the Sirchie training 'blew the State Police Training out of the water.' So far, we've hosted three classes and we're looking to do more in 2017."*

**Officer Chris Bucci, Phoenixville Police Department, PA**

*"Overall, the classes went well and everyone thought the instructors were great. Our students all learned a lot and loved the products."*

**Director Derek Mears, Salt Lake City Police Department, UT**

**If you're interested in hosting training, please contact us at [training@sirchie.com](mailto:training@sirchie.com). Details are below:**

- Minimum number of students: 18
- Cost: \$395 per student for the three-day Evidence Collection Processing Class (No. OST100)
- Please contact us to discuss available specialty classes

### Free Online Training

#### Sirchie Webinars

Since 2013, we've developed and delivered monthly free webinars about popular forensic and topical issues. Subjects have included a series of "Latent Print Basics"; "Basics of Surveillance"; "Arson and Crime Scene Photography"; "Understanding Gun Shot Residue"; and a Narcotics Investigation series on topics including Fentanyl, K2/Spice, Bath Salts, and more. Everyone who attends the live webinar receives a Certificate of Attendance, which they can place in their CV and put toward continuing education.



#### Sirchie Lunch & Learn Series

Sirchie's Lunch and Learn video series is streamed every Friday at 1:00pm EST. These 10-15 minute videos provide valuable information and tips for medical professionals, law enforcement, and fire & arson investigators. Topics covered so far this year include: Evidence Bags (Types and Uses); Understanding Fire & Arson Investigations Tools; Comparison Photography; and Collection Swabs (Types and Uses).



To access our library of Webinars and Lunch & Learns contact us today at 800.356.7311 or [training@sirchie.com](mailto:training@sirchie.com)

# Registration, Travel & Accommodations

## How to Register

To enroll in our classes, please call Patricia Hogan, at 800.356.7311; email us at [training@sirchie.com](mailto:training@sirchie.com); or register online at [www.sirchie.com/training.html](http://www.sirchie.com/training.html). All cancellations made at least 10 business days prior to the beginning date of class will be fully refundable. Cancellations made less than 10 days prior to class are not refundable, but can potentially be transferred to a future date at the discretion of SIRCHIE. All classes are subject to be cancelled due to lack of minimum enrollment, in which case all tuition / fees will be refunded. Upon registration, each person will be confirmed for enrollment. You can register a group for your organization easily via the class pages at [www.sirchie.com](http://www.sirchie.com).

## How to Pay

Payment can be made at [www.sirchie.com/training.html](http://www.sirchie.com/training.html) via credit card (MasterCard, Visa, American Express accepted) or via Purchase Order. Payment is due at the time of your class.

## Where to Stay

Our classes are held at our dedicated training facilities at our corporate headquarters in Youngsville, NC, about 20 minutes outside of Raleigh and close to the Raleigh/Durham International Airport.

There are a number of hotels in the area where we have negotiated lower rates for our students. Contact these hotels directly at the phone numbers below to make reservations at these reduced rates.

Hotel	Phone	Website	Cost
	919.554.6901	<a href="http://www.candlewoodwf.com">www.candlewoodwf.com</a>	Starting from \$80 for 1 Queen room
	919.556.4007	<a href="http://www.sleepinn.com/hotel-wake_forest-north_carolina-NC309">http://www.sleepinn.com/hotel-wake_forest-north_carolina-NC309</a>	Starting at \$79 per night
	919.570.5550	<a href="http://www.ihg.com/holidayinnexpress/hotels/us/en/raleigh/wkfnc/hoteldetail">http://www.ihg.com/holidayinnexpress/hotels/us/en/raleigh/wkfnc/hoteldetail</a>	Starting at \$90 per night
	919.554.0222	<a href="http://hamptoninn3.hilton.com/en/hotels/north-carolina/hampton-inn-raleigh-town-of-wake-forest-RDUWFHX/index.html">http://hamptoninn3.hilton.com/en/hotels/north-carolina/hampton-inn-raleigh-town-of-wake-forest-RDUWFHX/index.html</a>	Starting at \$87 per night

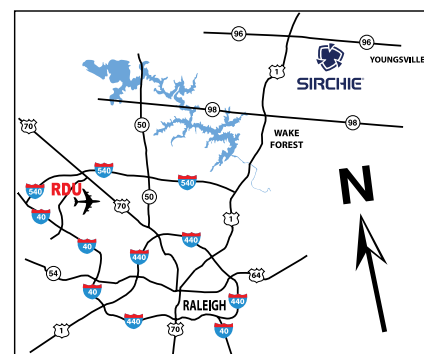
## Transportation

Raleigh is served by several major airlines through the Raleigh/Durham International Airport (RDU). Transportation from the airport and from the hotels to the training site is provided by the student. If you need a rental car, Sirchie can get you a 5% discount with Enterprise.



## Who to Contact

Please call 800.356.7311 or email us at [training@sirchie.com](mailto:training@sirchie.com) if you have any questions or concerns.



Raleigh area map showing RDU and proximity to Sirchie's Headquarters

## 2019 Sirchie Education Calendar

<p><b>January 2019</b></p> <p>Intro to the Science of Fingerprints (Jan. 28-Feb. 1)</p>	<p><b>February 2019</b></p> <p>Evidence Collection Course (Feb. 4-8)</p> <p>Phase 1 Footwear Impressions (Feb. 25-Mar. 1)</p>	<p><b>March 2019</b></p> <p>Forensic Death Investigation (Mar. 4-7)</p> <p>Basic Latent Fingerprint Comparison (Mar. 11-15)</p> <p>Comprehensive Latent Print Comparison (Mar. 25-29)</p> <p>Digital Forensics (Mar. 26-28)</p>
<p><b>April 2019</b></p> <p>Evidence Collection Course (Apr. 1-5)</p> <p>Drone Forensics (Apr. 8-12)</p> <p>Riot and Crowd Control (Apr. 8-12)</p> <p>Firearm and Toolmark ID &amp; Shooting Reconstruction (Apr. 22-26)</p> <p>Oxygen Complete (Apr. 23-25)</p>	<p><b>May 2019</b></p> <p>Advanced Latent Ridgeology (May 6-10)</p> <p>Comprehensive Crime Scene Photography (May 13-17)</p> <p>Corrections Investigation (May 27-31)</p>	<p><b>June 2019</b></p> <p>Advanced Latent Palm Print Comparison (June 3-7)</p> <p>Evidence Collection Course (June 10-14)</p> <p>Oxygen Complete (June 18-20)</p> <p>Arson Investigation for Law Enforcement (June 25-27)</p>
<p><b>July 2019</b></p> <p>Intro to the Science of Fingerprints (July 8-12)</p> <p>Digital Forensics for Educators (July 15-16)</p> <p>Educator Symposium (July 17-19)</p> <p>Phase 2 Footwear Impression (July 22-26)</p>	<p><b>August 2019</b></p> <p>Basic Latent Fingerprint Comparison (Aug. 5-9)</p> <p>Oxygen Complete (Aug. 6-8)</p>	<p><b>September 2019</b></p> <p>Evidence Collection Course (Sept. 9-13)</p> <p>Advanced Latent Ridgeology (Sept. 16-20)</p> <p>Clandestine Grave Discovery (Sept. 17-20)</p> <p>Phase I Footwear Impressions (Sept 30 - Oct. 4)</p>
<p><b>October 2019</b></p> <p>Bloodstain Pattern Documentation (Oct. 21-24)</p> <p>Mastering the IAI Exam (Oct. 28-Nov. 1)</p> <p>Digital Forensics (Oct. 29-31)</p>	<p><b>November 2019</b></p> <p>Evidence Collection Course (Nov. 4-8)</p> <p>Advanced Latent Palm Print Comparison (Nov. 4-8)</p> <p>Drone Forensics (Nov. 11-15)</p> <p>Riot and Crowd Control (Nov. 11-15)</p>	<p><b>December 2019</b></p> <p>Comprehensive Advanced Latent Print Comparison (Dec. 9-13)</p>

# Sirchie Classes

## Evidence Collection Course

Law Enforcement Professionals operate in an increasingly complex environment where budgets are tight, crime scenes are complicated, and the public expects investigations to lead quickly to justice. Knowing this, we offer our Evidence Collection Accelerated Training Program with limited class sizes, covering the scientific methods of collection, identification, evaluation, and preservation of physical evidence. Once you complete this class, you'll have the knowledge to collect evidence effectively to be used in the court of justice.

### You should attend this class if

- You process crime scenes
- You want to learn more about the latest tools and techniques used to process crime scenes
- You want to find as much evidence as possible at crime scene

### Topics include:

- Crime Scene Management
- Crime Scene & Evidence Photography
- Latent Print Processing – Powders
- Latent Print Processing - Chemicals
- Fingerprint Theory & Classification
- Controlled Substances Identification
- Serial Number Restoration
- Firearms, Ballistics, and Gun Shot Residue
- Alternate Lights and RUVIS
- Biological Evidence: Blood, Fluids, DNA
- Digital Forensics
- Footprint and Tire Mark Evidence

### Peace Officer Standards and Training

This class has been approved for a Peace Officer Standards and Training (POST) Credit or for Continuing Police Education Credits in a number of states. Please contact us at 800.356.7311 or [training@sirchie.com](mailto:training@sirchie.com) for more information and a complete list of participating states.

### Course Fee

The Evidence Collection Course (No. CST100) is \$650.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.

### Class Dates for 2019:

- February 4-8
- April 1-5
- June 10-14
- September 9-13
- November 4-8



## Sirchie Classes

### Phase 1 Footwear Impression: Detection, Recovery & Identification

Footwear impression evidence is the most overlooked evidence at crime scenes. Criminals will often wear gloves but rarely do they remove their shoes or intentionally destroy evidence left by their shoes. Tom Adair stated in Evidence Technology Magazine that many European police agencies report footwear evidence is collected in over 70% of their cases but this evidence is often not collected at American crime scenes. Students will get hands-on training for processing, photographing, lifting, casting, and preservation of footwear impression evidence.

**Instructor: Johnny Leonard**

**You will leave this class knowing:**

- How to obtain known footwear standards
- How to cast 3-d footwear impressions and the processing of 2-d footwear impressions
- How to understand the wear, class, and unique characteristics of footwear impressions

#### Course Fee

This Course (No. FTW100) is \$650.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.

#### Class Dates for 2019

February 25-March 1, September 30-October 4



### Phase 2 Footwear Impression: Examination, Comparison, & Identification

Tom Adair stated in Evidence Technology Magazine that footwear impressions can tell us about both the criminal and the crime. He continues that we may be able to determine the make and style of the shoe and even the identity of the shoe to the exclusion of all others in the world. Students will receive hands-on training in examining, comparing and identifying footwear evidence.

**Instructor: Johnny Leonard**

**You will leave this class knowing:**

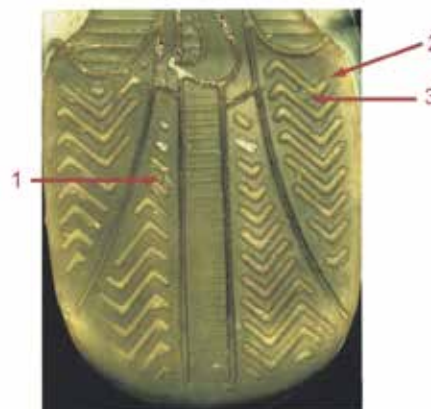
- How to apply ACE-V during footwear impressions
- How to compare questioned impressions with known standards
- Understanding SWGTREAD guidelines

**Requirements:** Student must have completed Sirchie's Phase 1-Footwear Impression Course, or a basic Detection, Documentation, Collection and Preservation of Track Evidence Course. Crime Scene Investigation Courses will also be accepted.

#### Course Fee

This Course (No. FTW200) is \$650.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.

**Class Dates for 2019:** July 22-26





## Sirchie Classes

### Comprehensive Crime Scene Photography

Investigators and witnesses can describe scenes, sometimes in great detail. However, photographs can tell the story better with objectivity. They freeze time and leave a permanent record of the scene. Despite its advantages, photography remains the least understood and developed skillset for arson and crime scene investigators. Failure to obtain images of evidence while at the crime scene or in a lab, will likely result in the photograph not being accepted by the court and deemed unsuitable for presentation to the jury.

#### Instructor: David Pauly

David retired from The U.S. Army Criminal Investigation Command as a Special Agent-in-Charge/Commander and Forensic Science Officer. He performed duties in over a dozen states and frequently worked with local, state, and federal agencies. He holds a Master of Forensic Science degree from The George Washington University, is a 1998 graduate of the FBI National Academy, and is currently the Director of Applied Forensic Science at Methodist University in Fayetteville, N.C.

#### You will leave this class knowing:

- How to take proper crime scene photographs in a variety of environments
- How to present crime scene photos in judicial and administrative proceedings
- How to train other professionals in taking photographs

#### Course Fee

This course (No. CCP300) is \$650.00 per student, which includes tuition, study materials, and lab fees. Transportation, food, and lodging costs are the student's responsibility. Students will receive a certificate upon completion.

**Class Dates for 2019:** May 13-17



### Bloodstain Pattern Documentation

Bloodstain Pattern Analysis is only useful if the patterns are captured and sampled properly. In conjunction with Bevel, Gardner & Associates, Inc., we're pleased to offer this class to introduce the student to the nature and value of bloodstain pattern evidence, teach how to recognize basic pattern types, and demonstrate through practical exercise the roadmapping method of documenting bloodstain pattern evidence.

#### Instructor: Ross Gardner

Ross M. Gardner worked for the United States Army Criminal Investigation Command (USACIDC) as a felony criminal investigator for nearly twenty years. He retired as a Command Sergeant Major and Special Agent in 1999 after serving a total of 24 years in US Army law enforcement. Subsequently, he served four years as the Chief of Police for the City of Lake City Georgia, a small suburban Atlanta police department. Currently, he is now retired and active in independent consulting.

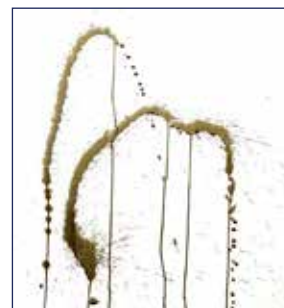
#### You will leave this class knowing:

- How to recognize basic bloodstain pattern types
- Familiarity, through practice, with a proven method of documenting bloodstains for future analysis

#### Course Fee

This course (No. BPA100) is \$550.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.

**Class Dates for 2019:** October 21-24



## Sirchie Classes

### Firearm, Toolmark ID & Shooting Reconstruction

This advanced course will introduce the methods used by firearm and toolmark examiners. Students will examine large caliber fired bullets, such as .45 caliber; rifle and various shotshell components; large caliber cartridge cases; and types of toolmarks, including pry bars, screwdrivers, and knives. Students will learn how examiners obtain class information that may aid investigators in searching for a firearm or tool which was used in a crime, including how a fired bullet, cartridge case, or tool may be matched to a particular firearm or tool. The class will also explore the reconstruction of shooting incidents, covering range determinations, direction of fire and gunshot residue identification.

#### Instructor: Don Mikko

Don spent most of his career as a Special Agent in the United States Army Criminal Investigation Command (USACIDC). For over 22 years, he worked in the United States Army Crime Laboratory (USACIL) and since 1990, he has been a Forensic Firearm and Toolmark Examiner. He is certified by the Association of Firearm and Toolmark Examiners (AFTE) in all three forensic disciplines: firearms, toolmarks, and gunshot residue.

#### You will leave this class knowing:

- Anatomy of a firearm and how characteristics of the firearm are matched to a projectile and cartridge
- Analysis of tool marks through observation, casting, and comparison.
- Documentation methods and techniques for shooting scenes: including projectile size determination, bullet trajectories, and distance determination.

#### Course Fee

This course (No. FSR100) is \$725.00 per student, which includes tuition, study materials, and lab fees. Transportation, food, and lodging costs are the student's responsibility. Students will receive a certificate upon completion.

**Class Dates for 2019:** April 22-26



### Clandestine Grave Discovery and Processing

Searching for a clandestine or hidden grave can be key in a homicide or wrongful death investigation where a body has not been discovered. This course will teach the student key signs for identifying what might be a possible outdoor clandestine grave site, including visual clues, searching techniques, and tools that can be used to assist. The course will also show preparation of a possible grave site for proper forensic excavation, including site protection and initial marking / documentation.

#### Instructor: Bryan Brendley

#### Course Fee

This course (No. CGR200) is \$450.00 per student, which includes tuition, study materials, and lab fees. Transportation, food, and lodging costs are the student's responsibility. Students will receive a certificate upon completion.

**Class Dates for 2019:** September 17-20



## Sirchie Classes

### Forensic Death Investigation

When a questionable or unattended death occurs, how do you determine the cause? Was it homicide, suicide, accidental, or natural? What is the key evidence to look for in determining cause of death? And when the cause is determined, how do you document the scene, and what story does the evidence tell that supports the cause of death conclusion?

**Instructor: TBD**

#### Course Fee

This Course (No. FDI100) is \$550.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.

**Class Dates for 2019:** March 4-7



### Digital Device Forensics

This 2 day course is designed to introduce the investigator to the domain of digital forensics.

With over 9 billion wireless subscriptions worldwide as of 2016, every criminal investigation involves information that can be captured from a digital device, including phones and tablets. Understanding what information can be obtained from these devices, as well as how to collect and preserve the information legally is critical.

This course will cover various digital devices, how wireless and cellular networks operate, and review data and information that can be obtained from carriers, devices, and the web. Attendees will be introduced to free open-source as well as various market available tools that they will be able to apply in investigations.

**Instructor: Stephen Pearson**

#### Course Fee

This Course (No. DDF100) is \$600.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.

**Class Dates for 2019:** March 26-28, October 29-31



### Oxygen Complete

Students will obtain a start to finish education on the use of Oxygen Forensic® Detective. The course adds to the Basic and Expert course by introducing advanced methods of Smart Device collections and data analysis. Students will examine collect and analyze data from iOS, Android, and Windows Phone smart devices. Students will work to obtain physical images, understand file system formats, storage methods and evidence locations. Students receive training and instruction on Cloud Storage and extraction techniques using Oxygen Forensic® Detective. SQLite database data is extremely important to today's smart device examinations. Not only will students receive training on the SQLite database format and creating SQL queries, but Property Lists, recovering deleted data, write-ahead-logs, shared-memory-files and interpreting database artifacts using the SQLite Viewer and secondary tools are covered.

**Instructor: Stephen Pearson**

#### Course Fee

This Course (No. DOX200) is \$2,399.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.

**Class Dates for 2019:** April 23-25, June 18-20, August 6-8



# Sirchie Classes

## Drone Forensics

This 5 day course is designed to take the investigator deep into the world of Drone Forensics. The use of Drones is growing rapidly and expanding to criminal enterprises and terrorist organizations. Police Corrections Facilities and deployed militaries are dealing with drones on a regular basis. Read the news today and you are likely to find an article discussing the malicious use of a Drone. Strategies and techniques to properly collect and examine these devices are not widely known, leaving investigators with the following challenges: How do you collect Drones? How do you extract data from these devices? How do you report the information? How do you prove criminal intent and associate it to an individual as opposed to the wind pushing the device off route?

Many investigators today stop after retrieving videos, then hope they have software to extract them. Drones do much more than record video, they can transport illegal payload like drugs and weapons, but also deliver munitions or act as the projectile!

This course will cover all of these questions and more and will give you the skills to Collect, Preserve, Examine, and Report (CPEER) the hidden intelligence within a Drone. In addition, you will leave with the skills necessary to testify in court putting the bad guys in jail.

**Instructor: Stephen Pearson**

### Course Fee

This Course (No. DRN200) is \$2,495.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.

**Class Dates for 2019:** April 8-12, November 11-15



## Digital Forensics for Educators

The world of cyber forensics is exploding and the job opportunities for people involved in cyber forensics grow daily. Students in high school and college need to understand the need for professional cyber forensic technicians and managers. This two-day course is designed to introduce teachers and educators to a curriculum that explores digital forensics. The labs designed for the teacher/educator will allow a student to explore the world of cyber forensic investigations using established legal frameworks and scientific digital forensic discovery.

This course will cover various digital device concepts, including how data is stored and transmitted on a network, why forensic programs can find deleted data on electronic media, and how that information can be used in civil and criminal investigations. Teachers/Educators will be provided free open-source tools and the lesson plans to use the tools in a classroom training environment.

**Instructor: Stephen Pearson**

### Course Fee

This Course (No. DFE100) is \$500.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.

**Class Dates for 2019:** July 15-16



# Sirchie Classes

## Introduction to the Science of Fingerprints

The science of fingerprint identification is based on the uniqueness and permanence of friction ridge structures. Therefore, the ability of the technician to accurately classify and identify fingerprint patterns is essential.

The student will learn fundamental techniques of fingerprint pattern interpretation and how this information is used to accurately classify, compare, and identify fingerprints.

**Instructor: Johnny Leonard**

### Curriculum

- Arch, Loop, and Whorl recognition and classification
- Scars and Amps recognition and classification
- NCIC classification formula
- The ACE-V methodology of fingerprint comparison and identification & its relationship to scientific method
- Inked fingerprint comparison exercises
- Glossary of Fingerprint Terms

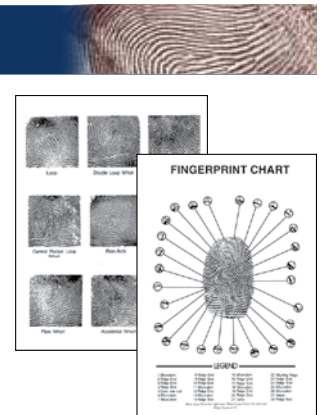
This course is taught using numerous methods of instruction combining lectures with hands on assignments, Q&A, reinforcing quizzes, and practical exercises.

**Note:** This course is not a latent print comparison class, and uses inked fingerprints. This training is vital for any individual who wishes to pursue a career as a fingerprint examiner and is a prerequisite for enrollment in the Latent Fingerprint classes.

### Course Fee

The tuition fee for the Introduction to the Science of Fingerprints course (No. CFC100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.

**Class Dates for 2019:** January 28-February 1, July 8-12



## Basic Latent Fingerprint Comparison

Combining lecture and latent print practical exercises, the emphasis in this course is placed on print orientation to improve each student's comparison skills. Exercises are designed to provide the student with real life case work training experience.

**Minimum Requirement:** Each student must have attended and completed Introduction to the Science of Fingerprints Course to be accepted in this course.

**Instructor: Johnny Leonard**

### Curriculum

- The ACE-V methodology of fingerprint comparison and identification & its relationship to scientific method
- Level 1, level 2, and level 3 detail in latent print comparisons
- Latent print orientation and comparison search clues
- Fingerprint pattern interpretation and their uses in the comparison of latent fingerprints
- Palm print orientation and palm print search clues in latent print comparisons
- Daubert and post Brandon Mayfield issues

### Course Fee

The tuition fee for the Basic Latent Fingerprint Comparison course (No. LFC100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.

**Class Dates for 2019:** March 11-15, August 5-9



## Sirchie Classes

### Comprehensive Advanced Latent Print Comparison

How proficient are your individual comparison skills as pertaining to latent print casework? Are erroneous exclusions a problem in your skill set? If you are a manager, are erroneous exclusions a problem in your latent print work unit? This class was developed to help improve latent comparison competency and knowledge whether you are already a Certified Latent Print Examiner or if you are preparing to take the exam in the near future. A broad and exhaustive level of complex latent print exercises were carefully compiled to improve the level of expertise for examiners. You will not find another class like this one anywhere.

**Minimum Requirement:** Each student must have at least one year of Latent print experience to be accepted in this course.

**Instructor: Johnny Leonard**

#### Curriculum

- Reducing erroneous exclusions in casework
- Maximizing accurate latent comparison skills
- Developing confidence in your comparison decisions
- Real life casework type comparison exercises

#### Course Fee

The tuition fee for the Comprehensive Advanced Latent Print Comparison course (No. CLP100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.

**Class Dates for 2019:** March 25-29, December 9-13



### Advanced Latent Ridgeology

Combining lecture and latent print practical exercises, emphasis is placed on comparison techniques for comparing difficult and complex latent finger and palm prints. Exercises are designed to provide the student with real life case work training experience.

**Minimum Requirement:** Each student must have attended and completed a Basic Latent Fingerprint Comparison Course to be accepted in this course.

**Instructor: Johnny Leonard**

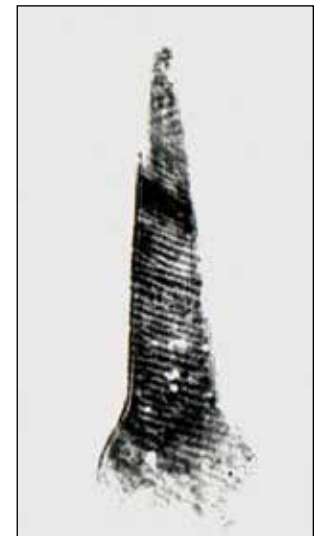
#### Curriculum

- The ACE-V methodology of fingerprint comparison and identification & its relationship to scientific method
- Level 1, level 2, and level 3 detail in latent print comparisons
- Latent print orientation and comparison search clues
- Fingerprint pattern interpretation and their uses in the comparison of latent fingerprints
- Palm print orientation and palm print search clues in latent print comparisons
- The analysis of distorted and complex latent prints
- Daubert and post Brandon Mayfield issues

#### Course Fee

The tuition fee for the Advanced Latent Ridgeology course (No. AFP100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.

**Class Dates for 2019:** May 6-10, September 16-20



## Sirchie Classes

### Advanced Latent Palm Print Comparison

Many students have expressed the difficulty in comparing latent palm prints and asked for a course that addresses this and simulates routine case work type training. This course was developed to meet these needs through combining lecture and latent print practical exercises.

**Minimum Requirement:** Each student must have attended and completed a Basic Latent Fingerprint Comparison Course to be accepted in this course.

**Instructor: Johnny Leonard**

#### Curriculum

- The ACE-V methodology of fingerprint comparison and identification & its relationship to scientific method
- Palm print topography and its use in comparisons
- Palm print points of direction, areas, and zones
- Major and Minor Flexion Creases
- Palm print orientation and palm print search clues in latent print comparisons

#### Course Fee

The tuition fee for the Advanced Latent Palm Print Comparison course (No. PPC100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.

**Class Dates for 2019:** June 3-7, November 4-8



### Mastering the IAI Latent Print Exam

Examiners who are preparing to take the Latent Print Certification exam are often concerned with the comparison phase of the exam. Their concerns center on running out of time and not completing the necessary 12 identifications in the allotted 8 hours. This class is offered to help latent examiners overcome this fear.

Emphasis is placed on recognizing valuable search clues when comparing latent finger and palm prints.

Valuable tips are shared to help improve time management skills during the exam. Numerous timed exercises containing latent prints similar in difficulty to the IAI exam are administered and evaluated.

Additional information is provided to aid students during the pattern recognition and written portions of the exam.

**Minimum Requirement:** Each student must have at least one year of Latent print experience to be accepted in this course.

**Instructor: Johnny Leonard**

#### Curriculum

- How to overcome anxiety about the test
- Time management skills that work
- How to maximize your comparison skills
- Learning to work smarter and not harder

#### Course Fee

The tuition fee for the Mastering the IAI Exam course (No. MCP100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.

**Class Dates for 2019:** October 28-November 1



## Sirchie Classes

### Corrections Investigation

Just because offenders are behind bars doesn't mean that crime stops. Corrections investigators need to have a broad understanding of several types of crime, how to identify it, how to identify, collect and preserve evidence, and how to present this evidence as a case. Various criminal activities will be reviewed, including drug crime, aggravated assault and homicide, sexual assault, and illegal contraband obtainment and distribution.

This course will cover how to properly conduct a criminal investigation according to accepted best practices. Students will be exposed to identification techniques for developing latent fingerprints, body fluid identification and DNA collection, and proper crime scene documentation through photography. In addition to these traditional skills, because digital evidence is becoming more prevalent in prisons, this course will also introduce investigators to open-source tools that can be used to extract digital evidence from cell phones as well as captured drones to be used in investigations.

**Instructor: Dave Pauly & Stephen Pearson**

#### Course Fee

The tuition fee for the Corrections Investigation course (No. COR100) is \$1,995.00 per student which includes study materials. Students will receive a certificate upon completion.

**Class Dates for 2019:** May 27-31



### Arson Investigation for Law Enforcement

When is fire not an accident? To determine this, the fire scene must be treated as a crime scene. In this course, students will learn how to properly document the scene as well as identify and collect key evidence for expert review and court submission. This course is aimed at law enforcement and related professionals that desire a working knowledge of fire investigation.

Students attending this course will learn the fundamentals of fire science, recognition of fire behavior including burn patterns and aftermath, and develop skills for documenting the fire scene through photography and sketching. Practical exercises in scene documentation and evidence collection will supplement the lecture.

**Instructor: Ken Andrews**

#### Course Fee

The tuition fee for the Arson Investigation for Law Enforcement course (No. ARS200) is \$395.00 per student which includes study materials. Students will receive a certificate upon completion.

**Class Dates for 2019:** June 25-27





## Riot and Crowd Control Classes

### Fundamentals of Riot and Crowd Control (3-day course)

*When crowds are at their worst, how do you make sure your officers are at their best?*

Citizens have a constitutional right to protest, and a responsibility to be orderly and respectful. Law enforcement's role is to protect that right, but also to protect the safety of citizens and property that may be affected by an unruly or violent protest. The key is how to do both well.

This class will cover the fundamentals of riot and crowd control so that you can be well-prepared for unrest.

#### We will cover:

- Crowd Management principles
- Planning and preparation for rallies, protests, and crowds
- Recommended equipment and how to use them
- Tactical formations for crowd control, as well as techniques and procedures

**Taught by experienced instructors, Karl de la Guerra and Chris Owens of First Line Security and Training, LLC. (FLST)**

#### Course Fee

This course (No. OST400) is \$700.00 per student, which includes tuition, study materials, and lab fees. Transportation, food, and lodging costs are the student's responsibility. Students will receive a certificate upon completion.

#### Scheduling Classes at Your Location

Call us at 800.356.7311 or email us at [training@sirchie.com](mailto:training@sirchie.com) to inquire about scheduling this on-site class (minimum enrollment will be 15 students with a maximum enrollment of 25 students).



### Train the Trainer: Riot and Crowd Control (5-day course)

*When crowds are at their worst, how do you make sure your officers are at their best?*

Citizens have a constitutional right to protest, and a responsibility to be orderly and respectful. Law enforcement's role is to protect that right, but also to protect the safety of citizens and property that may be affected by an unruly or violent protest. The key is how to do both well.

***This class will not only cover the fundamentals of riot and crowd control, it teaches you how to train other officers: you'll be able to take this knowledge back to your department and make sure your officers are well-prepared for unrest.***

#### We will cover:

*Crowd management principles, Planning and preparation, Equipment requirements and use, Public formations, Tactical techniques and procedures, Instructional techniques, Student-training opportunities*

**Taught by experienced instructors, Karl de la Guerra and Chris Owens of First Line Security and Training, LLC. (FLST)**

#### Course Fee

This course (No. RCC200) is \$1,600.00 per student, which includes tuition, study materials, and lab fees. Transportation, food, and lodging costs are the student's responsibility. Students will receive a certificate upon completion.

**Class Dates for 2019:** April 8-12, November 11-15



# Sirchie Classes

## Forensic Symposium for Educators



Thanks to shows like CSI and Forensic Files, interest in forensic science has risen dramatically. Through a combination of lectures, exercises, and hands-on lab work, educators will leave our Symposium armed with real-world experiences and interactive lessons they can use in their classrooms. Lectures and activities are formatted so what is learned can be conducted by the educator as a laboratory or individual class lesson.

### Instructors:

Jim Gocke, Dave Pauly, David Alford & Dyer Bennett

### Topics and activities will include:

This year's symposium will allow students to follow tracks according to their interests. Some workshops will be shared by everyone and others will be a choice. Each workshop will encompass a single lesson plan that can be adapted to a 45 minute classroom setting and/or lab.

## 2019 Educators Symposium Curriculum

### Forensic Anthropology and Entomology



### Arson Investigation



### DNA Collection and Analysis



### Trace Evidence (hair, fiber & soil)



### Course Fee

The tuition fee for the Forensic Symposium for Educators (No. ESF100) is \$300.00 per student.

**Class Dates for 2019:** July 17-19

## Student Testimonials

### Don't take it from us, hear it from Sirchie Alumni!

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great atmosphere, Great in...  
This class is extremely thorough. Gi...  
...ately recommend. The...  
...standar

*"This course was better than my six week NJSP C.S. Certification course." – August 2016*

*"Yes, I would recommend. I already sent a memo to administration stating that all CSIs should take this class." – August 2016*

*"This class is a must for all CSI. More of our department's CSI will be attending in the future." – May 2016*

*"I believe every officer that investigates crime scenes NEEDS this course." – March 2016*

*"I would highly recommend this course: Every law enforcement agency should know forensics and evidence collection." – April 2016*

*"Awesome class! Don't change anything. I learned better with hands-on and practicing than memorizing and studying." – August 2016*

*"This class should be taught to all LEOs" – April 2016*

*"Great atmosphere, Great instructors, Great Products for LEOs." – August 2016*

*"This class is extremely thorough. Great instructors and hands-on experience" – May 2016*

*"Would definitely recommend. The courses, facilities, and products are top notch." – August 2016*

*"This course has set a new standard for me on how training should be conducted. The hands-on exercises are how things should be taught." – May 2016*

*"The life experiences of these instructors is absolutely outstanding" – May 2016*

*"I would tell other law enforcement officers that the course is a must" – May 2016*

*"Instructors have a wealth of knowledge and passion in their specialties, which makes it easier to understand." – August 2016*

*"Awesome class. Hands-on is a great way to put into practice what was taught." – August 2016*

*"Absolutely I would recommend this class! It was highly recommended to me and I found it very informative." – August 2016*

*"Amazing class! Instructors were incredible." – March 2016*

*"I feel more confident after the training" – April 2017, Evidence Collection*

*"Great class and the instructors were some of the best I've ever had." – June 2017, Evidence Collection*

*"I learned more than in my Evidence Technician Certification class." – June 2017, Evidence Collection*

*"Had a great time at this class and hope to return again for more classes." – November 2017, Evidence Collection*

*"This course is beneficial to processing evidence at crime scenes, particularly small departments that don't have dedicated crime scene personnel." – June 2017, Evidence Collection*

*"There's a lot of methods and products available that most officers and departments are not aware of. This course presents those methods and gives you a basic understanding of how to do them" – June 2017, Evidence Collection*

*"Good course for beginners as well as veteran CSI officers." – June 2017, Evidence Collection*

*"More departments need this information to do the job better." – April 2017, Evidence Collection*

*"Hands-on is the best way to learn and it is not death by powerpoint." – April 2017, Evidence Collection*

*"Yes, I would recommend this course. After 7 years of investigating, I learned many things I never knew." – April 2017, Evidence Collection*

*"Great instructors, well-prepared, kept class engaged and very knowledgeable." – July 2017, Evidence Collection*

**Please note:** These quotes are from course evaluations, but we do not release the names of our students for their protection and the work they do.

## Sirchie Instructors

Sirchie instructors have decades of experience in law enforcement, criminal investigation, forensic science, and education. This experience at the local, state and federal levels gives them not only insight into proper methods of evidence collection and preservation, but experience with specific cases in which the physical evidence collected led to the conviction of suspects.

### David Alford

David Alford is a retired FBI Special Agent with over 20 years of experience and served as one of the founded members of the FBI Evidence Response Team (ERT). He has investigated domestic and international violent crimes and bombings, including the Polly Klaas kidnapping and murder, the Unabomber's cabin and the 9/11 Pentagon scene. In the six years before the FBI, he was a Forensic Serologist, Hair and Fibers Examiner and Bloodstain Pattern Analyst for the Kentucky State Police Crime Lab.



### Dyer Bennett

As VP of Product Development & Training at Sirchie, Dyer works with industry experts to develop and update the latest in forensic product technology. His broad technical knowledge covers many forensic disciplines, including latent print development, digital forensics, shooting reconstruction, and alternate light sources. He brings a unique perspective to training with intimate knowledge of how the forensic tools are made and how they work.



### Johnny Leonard

Johnny Leonard is a retired Deputy Director of the City-County Bureau of Identification in Raleigh, NC and is both an I.A.I. Certified Latent Print Examiner and Footwear Examiner. He has also worked for the FBI and the NC State Bureau of Investigation. He has been a latent fingerprint examiner for the past 30 years and has over 40 years of fingerprint experience. He has been a fingerprint instructor for the past 33 years and has trained hundreds of students in the science of fingerprints.



### Andy Parker

Currently, Andy is the Deputy Director of the City-County Bureau of Identification (CCBI) in Raleigh, N.C. Since 2002, he managed the Laboratory Division, the Identification Division, and served as a Latent Print Section Supervisor and Examiner for the CCBI. Prior to moving to Raleigh, Andy was a Crime Scene Investigator for the Tallahassee Police Department after serving seven years as a Law Enforcement Officer with the Florida Department of Law Enforcement. Andy is also a graduate of the FBI's National Academy.



### James Gocke

Jim Gocke holds a Fellowship in Forensic Medicine at the Armed Forces Institute of Pathology and a Master of Forensic Sciences from The George Washington University, in addition to a Juris Doctorate from West Virginia College of Law. He served as Vice President/General Counsel and Director of Education and Training at Sirchie from 1979 to 2015. He now serves as an Independent Contractor for Sirchie.



### David Pauly

David retired from The U.S. Army Criminal Investigation Command as a Special Agent-in-Charge/Commander and Forensic Science Officer. He performed duties in over a dozen states and frequently worked with local, state, and federal agencies. He holds a Master of Forensic Science degree from The George Washington University, is a 1998 graduate of the FBI National Academy, and is currently the Director of Applied Forensic Science at Methodist University in Fayetteville, N.C.



### Bryan Brendley

Bryan Brendley is a faculty member in the Forensic Biology program at Guilford College and chair of the Biology Department. Prior to coming to North Carolina he served as a sworn state conservation officer in Pennsylvania. Bryan teaches classes on Forensic Anthropology, Forensic Cell Biology/Histology, Cold Case Analysis, bloodstain patterns, ballistic trauma, and drowning investigations. He regularly guest lectures at both Campbell University School of Law on expert testimony and at Elon University School of Law on Crime Scene Analysis. He graduated from the College of William and Mary with degrees in biology and history, and holds an earned doctorate from The Pennsylvania State University. He is a member of the AAFS, NCIAl and the NCHIA. Bryan also has "served" as a US Navy spouse for over 21 years and volunteers his time regularly at the High Point Police Crime Lab.



### Ross M. Gardner, MA

Ross M. Gardner worked for the United States Army Criminal Investigation Command (USACIDC) as a felony criminal investigator for nearly twenty years. He retired as a Command Sergeant Major and Special Agent in 1999 after serving a total of 24 years in US Army law enforcement. Subsequently, he served four years as the Chief of Police for the City of Lake City Georgia, a small suburban Atlanta police department. Currently, he is now retired and active in independent consulting.



## Sirchie Instructors

### Curt Clark

Mr. Clark is a veteran of the US Army Reserve where he served as a Military Police Officer, a former Patrol Officer and CSI with Bowling Green (KY) PD, and a current CSI with Scottsville (KY) PD. Mr. Clark has completed advanced training in Crime Scene Photography, Shooting Reconstruction, and Evidence and Property Management. He has conducted training at Bowling Green PD as well as with his current and surrounding departments in Kentucky.



### Dave MacNeil

Dave is currently a Detective for the Watertown (MA) Police Department, with responsibilities for investigating major crimes, managing the day-to-day operations of the crime lab, and serving as the department's photographer. With over 30 years of experience in law enforcement and a graduate of the FBI Academy, he also instructs crime scene investigation at the local, state, and federal level, including the U.S. DOJ Law Enforcement Training, the National Forensic Academy, and Boston University's School of Forensic Science.



### Doug Young

For over 23 years, Doug has served as Crime Scene Investigator for the Thorton Police Department (CO), gaining extensive experience in Crime Scene Examination and Reconstruction, Latent Print Processing and Comparison, and Shooting Reconstruction. Doug is certified as a crime scene investigator through the International Association for Identification and serves as a member of the crime scene certification board for the Rocky Mountain Division of the IAI.



### Matt Baldwin

For over 20 years, Matt has worked in law enforcement with 18 years spent with the Biddeford Police Department in Maine. Since 2002, he's been a Crime Scene and Evidence Technician and has been an Instructor in the field for over 10 years. Matt enjoys training smaller departments to emphasize the importance that with the proper tools, techniques and training, rural departments can still accomplish as much as larger, more equipped agencies.



### Ken Andrews, CFI-IAAI, ATF retired

Ken was a member of ATF's elite National Response Team (NRT) and an ATF Certified Explosives Specialist for 18 years. He has conducted investigations related to fire and explosions involving vehicles and residences as well as large industrial and commercial scenes. Ken has also instructed fire and explosion investigators nationally and internationally. During his career with ATF, he was a regular instructor at the National Fire Academy, Federal Law Enforcement Training Center and the International Law Enforcement Academy in Bangkok, Thailand.



### Stephen Pearson

Stephen Pearson combines more than 29 years of law-enforcement experience with in-depth expertise in today's most pervasive Internet, computer, and digital device technologies. Stephen developed computer forensic tools and coursework for the US Army Military Police School, as well as served as a computer investigator with Pulaski County Sheriff's Office (FL). As a founder of High Tech Crime Institute, he has developed and conducted courses for NATO, the Federal Government, and various law enforcement agencies. Stephen holds B.S. in Computer Information Science as well as an MBA. He is also a Microsoft Certified Systems Engineer, an US Army Master Instructor, and a certified Cellebrite Trainer, in addition to holding various other certifications for digital investigation.



### Don Mikko

Don spent most of his career as a Special Agent in the United States Army Criminal Investigation Command (USACIDC). For over 22 years, he worked in the United States Army Crime Laboratory (USACIL) and since 1990, he has been a Forensic Firearm and Toolmark Examiner. He is certified by the Association of Firearm and Toolmark Examiners (AFTE) in all three forensic disciplines: firearms, toolmarks, and gunshot residue.



### Karl de la Guerra

Karl de la Guerra, a thirty-eight year veteran of the protective services industry, is Chairman & Chief Executive Officer of Karl de la Guerra, Inc., an international security consulting and protective services training company based in Charlotte, North Carolina. Karl's experience is a combination of military law enforcement, civilian law enforcement and international corporate security management. Beginning his career in the United States Air Force in 1979 as a law enforcement specialist, Karl was selected as a protective services officer providing personal bodyguard services to numerous senior ranking military officials and government dignitaries. This selection was a direct result of his certification in police SWAT and completion of a variety of tactical operations courses.



### Chris Owens

T. Chris Owens is a Co-Founder and Chief Instructor of First Line Security & Training (FSLT). In 1987, Chris started his law enforcement career as a dispatcher/jailer with the Lee County Sheriff's Office. Throughout his career, he has supervised Criminal & Narcotics Investigative Divisions, Special Operations (overt and covert) and acted as a Team Leader on Special Response Teams. Owens has over 4,000 training and instruction hours combined: he is a certified Senior Instructor in Firearms Training/Range Master, Defensive Tactics, Radar, Driver Training (EVOC), Chemical Munitions, Less-Lethal Munitions, and more. He also holds instructor certification in SWAT and Riot & Crowd Control.

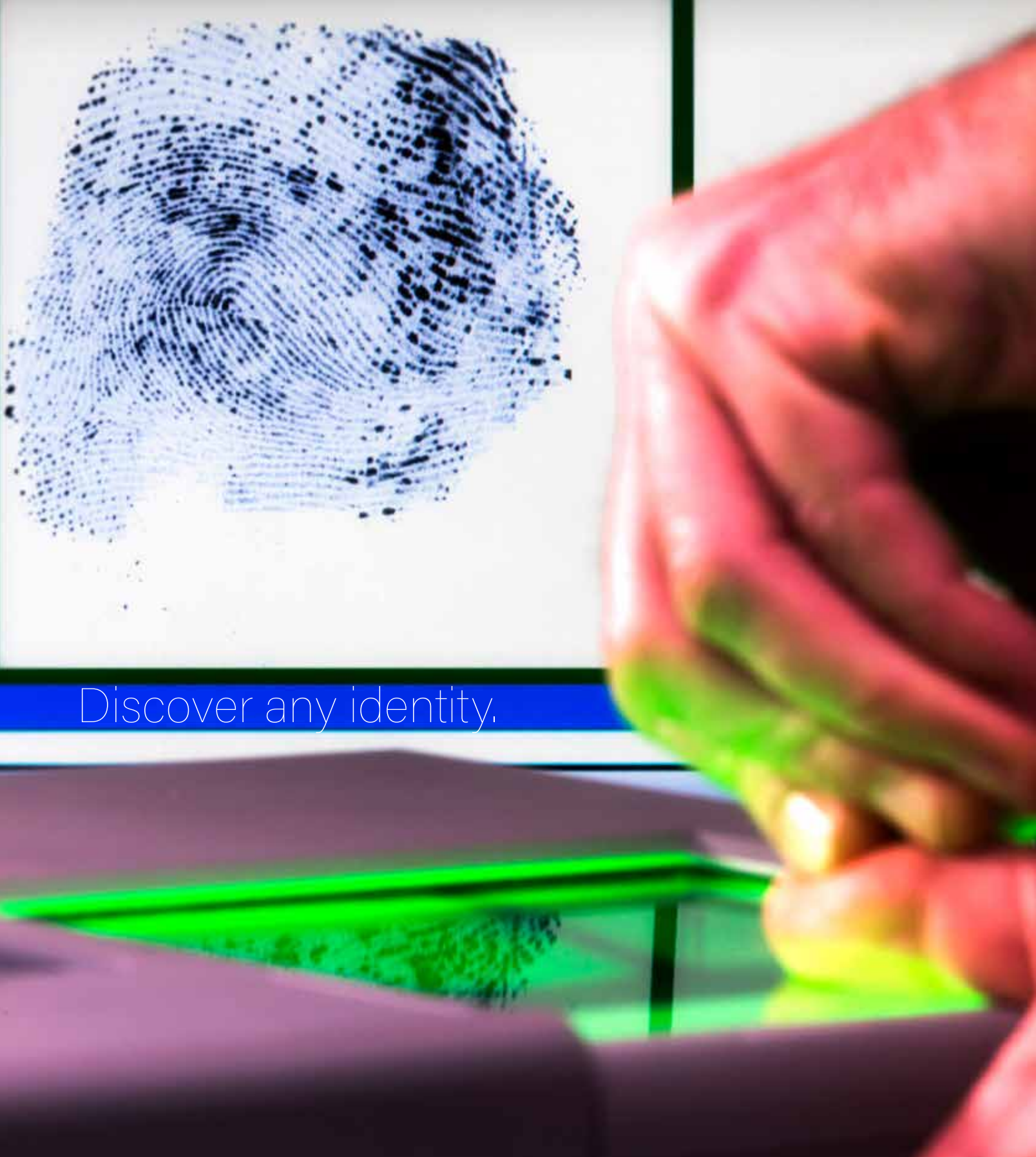




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