

# Tuesday

## **Basic Bloodstain Documentation – LECTURE**

**Bonnie Wilder-Estes**

A brief presentation on basic bloodstain identification and documentation of those bloodstains (without the use of laser measuring devices).

## **A Historical Perspective of 100 Years of Crime Scene Investigations – LECTURE**

**King Brown**

**Dawn Watkins**

**Owen McDonnell**

This lecture will delve into the history of crime scene investigations during the past 100 years. It will include changes in equipment, processing techniques, evidence gathering and famous cases from 1915 until current times.

## **Using CSIPix Software for Latent Print Comparison – WORKSHOP**

**King Brown**

**Dawn Watkins**

**Owen McDonnell**

Using CSIPix Software for Latent Print Comparison is a hands on class which requires each student to bring a laptop computer to class and the ability to load the CSIPix Software. Class will include practical exercises in the identification of latent fingerprint evidence.

### **REQUIRED EQUIPMENT:**

**Laptop Computer with ability to load software.**

## **Crime / Collision Documentation – WORKSHOP**

**Michael Wilson**

This workshop covers how to orderly and systematically document the location of evidence items as found at a scene.

## **Indanedione vs. Ninhydrin – LECTURE**

**Bonnie Wilder-Estes**

Introduce those who haven't been exposed to the chemical Indanedione for processing of prints on porous items.

## **Jeremy Hauck – Homicide Case Study - LECTURE**

**Bonnie Wilder-Estes**

The case involved an 18 year old male that killed his mother and stored her body in a freezer while fleeing to another state.

# Wednesday

## **Documentation of Crime Scenes Through Diagramming – WORKSOP**

**King Brown**

**Dawn Watkins**

**Owen McDonnell**

Documentation of Crime Scenes Through Diagramming will discuss the various methods for diagramming and documentation of the scene. The class will include practical exercises in various diagramming methods.

## **Reducing Erroneous Exclusions – WORKSHOP**

**Penny Dechant**

The exclusion decision is a fairly recent change in latent print comparisons, and the discipline is still struggling with how to handle exclusions. Erroneous exclusions are being discovered with surprising frequency in latent print units around the country. Many labs have begun to verify their exclusion decisions, and this has resulted in errors finally being noticed. Recent research into the decisions of latent print examiners show that erroneous exclusions are common and inevitable. So, what training have you had in exclusions? What is enough for an exclusion? What is your lab's standard for exclusion? Is your lab implementing any new Quality Assurance policies to address this problem?

This workshop will review the policy changes that Arizona DPS has implemented in their latent print unit to reduce erroneous exclusions. Examples of erroneous exclusions from casework will be presented along with information on circumstances that might make an erroneous exclusion more likely. Hands-on comparison exercises will demonstrate a practical approach to exclusion decisions. This class is intended for latent print examiners who routinely conduct comparisons.

## **I Just Got My Subpoena, Now What? – LECTURE**

**Joseph Matvay**

A presentation on what to do to prepare for courtroom testimony.

## **Preparing To Pass The Tenprint Fingerprint Certification Test – WORKSHOP**

**Sara Inez Schreiber**

This workshop will go over the Tenprint Fingerprint Certification Test requirements and discuss the format of the test itself. We will review the required reading listed for the test and practice with sample questions. Also, we will go over the Henry Classification System, discussing what parts of the system are especially pertinent to the test. There will be sample comparisons and classification exercises. Attendees should feel free to ask questions and bring their CV for review.

### **Lifting Prints Off Unusual Surfaces – WORKSHOP**

**King Brown**

**Dawn Watkins**

**Owen McDonnell**

Have you ever tried to lift a latent fingerprint in the blowing wind? Have you ever had so many lifts it took hours to tape and lift? Have you ever had your tape rip? How about those creases? Have you ever not had your knife, fingernails, scalpel, or teeth available to cut your tape? How would you like to be able to pull and tear your tape in a single motion? Tricks and tips for lifting latent prints will teach you the famous *Texas Tear* and other known tears. We will give you some fantastic applications and lifting techniques to help you recover those difficult and illusive latent prints. This class will use roll tape, strip tape, Accutrans, and various powders. This will be a hands-on workshop. Class for beginners to advanced.

### **The Correct Method of Documenting Injuries for Court and Certification – WORKSHOP**

**Michael Wilson**

This workshop will give the attendee an overview of the correct method to properly document injuries for use in court and how to satisfy the requirements to pass this section of the Forensic Photographer practical examination.

### **Blood Stain Pattern Analysis Testimony – An Example – LECTURE**

**Joseph Matvay**

A video will be shown of the instructor testifying in court about blood stain pattern analysis. It is an example of how he testified on that day and the questions that were posed. The class will discuss blood stain pattern analysis testimony.

### **Light Theory – LECTURE**

**Michael Zontini**

We will discuss the basics of light and how light can be used to help find evidence. We will discuss ultraviolet, visible, and infrared theory and applications.

### **Beware of Delta – LECTURE**

**Penny Dechant**

When all of your characteristics surround the delta, how close is too close to call? The similarities of latent print characteristics are not as specific in relation to the delta and therefore, reduce the reliability for comparison. This lecture will show examples of close non matches around the delta obtained from searches through fingerprint databases.

# Thursday

## **Use of Pattern Matching Technology – WORKSHOP**

**Michael Zontini**

Shoe print impressions found at the scene can be helpful in an investigation if the print can be identified. At the end of this class you will become familiar with pattern matching technologies, such as SICAR, to help aid in the identification of unknown prints found at the scene.

## **HRD and Panoramic Photography – WORKSHOP**

**King Brown**

**Dawn Watkins**

**Owen McDonnell**

Forensic Photography has been evolving ever since the very first forensic photograph was taken over 100 years ago. The evolution has continued from film to almost entirely digital photography in forensics. With this age of digital photography investigators now have an advantage over film with the ability to capture forensic images and being able to view them right after an image has been taken. Now the photographer can see if the image captured has the needed detail to make an excellent forensic image. With the use of computers and digital cameras investigators are able to adjust the overall tonal range of an image using the HDR (High Dynamic Range) techniques.

*“Reproducing the full range of tones or brightness values seen by the human eye is one of the most fundamental challenges in photography.”*

This workshop will delve into the use of HDR Photography Techniques and Panoramic Photography Techniques in Forensic Investigations and for the preservation of Evidence. Each student will receive an evaluation copy of Photomatix Pro 5 Software & PTGui Software.

### **REQUIRED EQUIPMENT:**

**Digital Camera with settings to bracket images**

**Tripod**

**Cable / Shutter Release**

**Laptop Computer**

## **Firearms Safety at a Crime Scene & In a Crime Lab Environment – WORKSHOP**

**Mike Giusto**

This workshop is a safety orientation for those who handle or process firearms, either at crime scenes, in their lab, or receive and release evidence. Different firearms actions, types and calibers are covered. Inert (“dummy”) cartridges will be used to demonstrate the proper clearing of guns. Black powder guns (cap & ball, flint lock, and muzzle loaders), as well as fully-automatic guns will also be addressed.

## **What If I Don't Agree? Conflict Resolution in Latent Print Analysis – WORKSHOP**

**Heather Conner**

**Penny Dechant**

Do examiners disagree? What do examiners do when there are disagreements? Disagreements over conclusions may lead to conflict between examiners. Procedures adopted by two Arizona agencies for conflict resolution will be addressed. Discussion of the pros and cons of these procedures will be held. Workshop participants will draft procedures for conflict resolution. Actual latent prints that have resulted in disagreements or which have gone through the conflict resolution process will be presented.

### **REQUIREMENT:**

**Attendees will need to bring magnifiers and pointers.**

## **Trouble Shooting Isn't The Same As Shooting the Trouble – LECTURE**

**Bruce M. Wiley**

Through case studies, demonstration, and class discussion some successful techniques and tactics will be presented to aid the "last responders" to gain or regain control over the scenes we are responsible to investigate, evaluate, and preserve for trial. Come ready to participate and bring your horror stories!

## **Enhancements of Bloodstains – WORKSHOP**

**Bonnie Wilder-Estes**

Provide a brief presentation on the different chemicals that can be used to enhance bloodstains at crime scenes. This class will have hands on activities using various chemicals.

## **Basic Bullet Trajectory Reconstruction – WORKSHOP \*LAW ENFORCEMENT ONLY\***

**Mike Giusto**

This four-hour workshop is designed to introduce the forensic scientist and law enforcement crime scene responder to general reconstruction concepts in the investigation of shooting incidents. An emphasis will be on the reconstruction of bullet paths through commonly encountered materials, including sheetrock, glass, wood, upholstered furniture, and vehicle sheet metal. The instructors have organized this workshop into a practical approach to reconstructive techniques that can be applied during the direct investigation. Basic recognition, documentation, collection, and preservation techniques will be discussed and demonstrated. Students are encouraged to bring photography equipment for documentation.

## **Basic Analysis & Comparison of Friction Ridge Impressions – WORKSHOP**

**Jon T. Stimac**

This 4-hour workshop is designed for the recently hired forensic science professional that – once trained to competency – will be responsible for comparing friction ridge impressions.

Discussion, lectures, and practical exercises are among the techniques used to enhance the student's understanding of what makes a fingerprint useable in the identification process. From determining the basics of fingerprint patterns (level I), to the friction ridge characteristics used to individualize (levels II and III), each step of this workshop will enable the student to effectively assess the value of, and conduct basic comparisons of fingerprint evidence.

This workshop focuses primarily around the use of several different practical exercises, each designed as a step-by-step process to increase the student's application of the analysis and individualization process. In turn, this makes for a more efficient and accurate analyst. Additionally, this workshop supplements the International Association for Identification's *Friction Ridge Skin Identification Training Manual* (fulfilling the goal and objectives of section B: 10-Print Comparisons).

### **REQUIREMENTS:**

**Fingerprint Magnifiers are required (there will be numerous 1:1 comparison exercises)**

**A portable lamp/light is not required but should be considered.**

## **The Travis Alexander Homicide Case – LECTURE \*LAW ENFORCEMENT ONLY\***

**Heather Conner**

Jodi Arias was convicted in 2013 of the first-degree murder of Travis Alexander. In June of 2008, Alexander was found deceased in the shower stall. A camera found in the washing machine, a palm print on the bathroom wall, and hair from the bathroom tied Arias to the scene. Arias' account of her actions changed several times, ending in a self-defense claim. Case photographs, interviews with Arias, and trial testimony will be reviewed.

## **Case Presentation – Homicide or Suicide, You Decide! – LECTURE**

**King Brown**

**Dawn Watkins**

**Owen McDonnell**

It is January 1<sup>st</sup>, just after check-out time in an upscale, small condo used to celebrate the New Year. Management is concerned about hearing dogs barking inside the condo and the tenant not having checked out or having called for a late check-out. Per policy the local police are contacted and key themselves into the condo to investigate. Two dogs are identified roaming free within the condo and the only occupant of the room is found in the bathroom, hanging from a shower head with a dog leash around her neck. The usual process of the law enforcement investigation begins and you have the ability to solve this case.....the questions is.....WILL YOU? What would you have done? Are you the investigator of the judge and jury? Come attend this lecture and be prepared to participate in unraveling the case of Sheena!

# FRIDAY

## **Firearms Safety at a Crime Scene & In a Crime Lab Environment – WORKSHOP**

**Mike Giusto**

This workshop is a safety orientation for those who handle or process firearms, either at crime scenes, in their lab, or receive and release evidence. Different firearms actions, types and calibers are covered. Inert (“dummy”) cartridges will be used to demonstrate the proper clearing of guns. Black powder guns (cap & ball, flint lock, and muzzle loaders), as well as fully-automatic guns will also be addressed.

## **Latent Print Search & Comparison Techniques – WORKSHOP**

**Jon T. Stimac**

This condensed 4-hour workshop-version of the RS&A course is designed to assist forensic science professionals who are presently comparing friction ridge evidence, yet feel they could increase their skills and knowledge through participation in a formalized workshop.

Numerous practical exercises, supplemented by lectures and discussion are among the techniques used to enhance the students understanding of the identification methodology. From determining useful target areas, to the friction ridge characteristics used to individualize (Levels II and III), each step of this workshop will enable the student to effectively analyze, compare and evaluate developed friction ridge evidence.

This workshop focuses primarily on the use of several different practical exercises, each designed as a step-by-step process to increase the student’s application of the identification methodology. In turn, this makes for a more efficient and accurate analyst. Additionally, this course complements the International Association for Identification’s *Friction Ridge Skin Identification Training Manual* (supplementing the goal and objectives of the Supervised Comparison Training, Section C, D, E, F & G).

The objective of this workshop is to provide each participant with an increased understanding of the friction ridge science with emphasis on locating, analyzing, comparing and evaluating latent fingerprints. Phalange, crease and palm print analysis and comparison may also be discussed.

This abbreviated workshop is designed for the intermediate-level student; it is not an introductory-level workshop. Tenured analysts will benefit from both the workshops content and the practical exercises, but attendees without prior comparison experience or at a basic-level of comparison experience should satisfy that level of training prior to participating in this workshop. Students with experience levels between six months and 20+ years have attended the complete 40-hour course.

### **REQUIREMENTS:**

**Fingerprint Magnifiers are required (there will be numerous 1:1 comparison exercises)**

**A portable lamp/light is not required but should be considered.**

## **Reviving the Dead; Techniques for Cold Cases – LECTURE**

**Bruce M. Wiley**

Utilizing case studies and discussion methods, this lecture will breathe “life” into the cold cases common to all agencies. Be prepared to discuss successes and failures with the class.