

Monday May 22nd

Opening Ceremonies followed by two general session presentations:

East Area Rapist/Original Night Stalker

Lecture, Monday, 1:00pm – 3:00pm, San Carlos I & II

Paige Kneeland, Deputy Sheriff, Sacramento County Sheriff's Department

In June of 1976 an unknown suspect sexually assaulted a resident of Sacramento County. The Sacramento County Sheriff's Department was unaware this would be the first in a series which would span ten years, fourteen law enforcement agencies, and include countless residential burglaries, forty-five sexual assault victims and twelve homicide victims.

The geographic area of the suspect's numerous attacks in Sacramento County led to his moniker, the "East Area Rapist". Two years after his first assault there, he began striking communities in the East Bay Area. In December of 1979 he moved south, killing a couple in their Santa Barbara home. At that time, the crime's connection to the East Area Rapist was unknown. Law Enforcement agencies tracked his continued killings separately from the Northern California crimes, and the suspect became known as the "Original Night Stalker" as he committed eight more homicides between 1980 - 1986.

Over the years, investigators began to theorize there was a link between the northern assaults and the southern homicides. In 2001, DNA linked the "East Area Rapist" cases to the "Original Night Stalker" murders, confirming that theory. But the suspect's identity remains unknown and the case remains unsolved after forty years.

Wrongful Convictions, Conviction Review Units, and Working Together to Free the Innocent

Lecture, Monday, 3:00pm – 5:00pm, San Carlos I & II

Alexander Simpson, Associate Director, California Innocence Project

Luis Vargas, Exoneree, California Innocence Project

In this session, Alexander Simpson, Associate Director of the California Innocence Project, and Luis Vargas, who spent 16 years in prison for a crime he did not commit, will talk about how the work of prosecutors, conviction review units, and law enforcement have worked with the Project to identify and resolve cases of wrongful conviction and innocence. Some of these cases, like the case of Luis Vargas, were reversed after new forensic science techniques---techniques unavailable during the time of the initial investigation and prosecution---helped to exonerate the innocent and correctly identify the guilty. This session will discuss best practices for identifying legitimate claims of innocence, discuss recent research and cases affecting wrongful convictions, and explore how effective post-conviction investigation can ensure greater confidence in the criminal justice system as a whole.

Tuesday May 23rd

Workshops:

Fingerprints 101 for CSI's

Workshop, Tuesday, 8:00am – 12:00pm, Room: San Carlos I

Mike Campbell, Training Coordinator, Ron Smith and Associates

As a Crime Scene Investigator you submit many different types of evidence to the lab. You are an expert on how to properly bag and tag the evidence and deliver it safely and securely to the evidence room. Here is your chance to learn more about the most powerful type of physical evidence available at most crime scenes – latent prints. Through lecture and hands-on practical exercises come and add to your knowledge about the evidence you are processing. LIMIT 25 STUDENTS.

What makes a Latent Fingerprint Have “Value”

Workshop, Tuesday, 1:00pm – 5:00pm, Room: San Carlos I

Mike Campbell, Training Coordinator, Ron Smith and Associates

If you have ever been frustrated getting a report back that says the prints that you submitted are of NO VALUE - this might be the workshop for you. This class is intended for CSI's to learn what an examiner must see present in the latent prints that are submitted to them before “Value” can be associated to a print. Value allows the print to be searched or compared to suspects and elimination prints rather than thrown back into the envelope and returned as NO VALUE. Many agencies ask their CSI's not to submit “Junk” to the examiners without really teaching them what creates “Value” in a latent print. The traditional rule of thumb has always been – if it has ridges submit it, but obviously there is more to it than that. With a few hands-on exercises mixed in, this presentation will attempt to solve the mystery of “Value” and review a few things that a CSI can do to increase the value present in the lifts they submit. LIMIT 25 STUDENTS.

Career & Family Resiliency

Workshop, Tuesday, 8:00am – 10:00am, Room: Los Angeles

Jim Hyde and Susan Feenstra, Sacramento City Police Department

The Career & Family Resiliency Workshop will identify both career & family challenges and trends for the law enforcement professional. The workshop will also focus of strategies to build resiliency in your challenging career and family life. It will also highlight the shared passions of the "Job" and our family. The workshop will be fun and interactive!

Using High Dynamic Range Photography (HDR) and Panoramic Photography for Crime Scene Investigations

Workshop, Tuesday, 1:00pm – 5:00pm, Room: Los Angeles

King Brown, West Palm Beach Police Department

Dawn Watkins, Palm Beach Gardens Police Department Retired

New technology and its application to forensic evidence is at the forefront of any investigation. High Dynamic Range and Panoramic Photography are two of those new techniques to better assist in the capture of crime scene evidence. This workshop will use the hands on approach; students need to bring a digital camera, tripod, cable release and laptop computer. HDR and Panoramic Software will be provided. **LIMIT 25 STUDENTS. Students need to bring a digital camera, tripod, cable release and laptop computer.**

Basic Photography

Workshop, Tuesday, 8:00am – 10:00am, Room: San Francisco

Tony Nguyen, Pomona Police Department

This workshop will be taught from the standpoint of the attendees have simply been handed a new digital camera and do their job with little to no training; it is designed for anyone who is tasked with the responsibility of having to document crime scene, body injuries and evidentiary items. This workshop will give attendees' simple explanation of how cameras work; how the camera lens aperture, shutter, and ISO setting work together for properly exposed photographs. Time permitting we will document a mock crime scene, photographs injuries, fingerprint, and shoe impression. **Attendees are required to bring the following to class: DSLR camera, basic lens and macro lens, L scales (large and small), flash, remote trigger or cable, and tripod.**

Fingerprint Comparison in a Digital Age: A demonstration of Forensic Comparison Software (FCSv5.5)

Workshop, Tuesday, 9:00am – 11:00am, Room: Santa Barbara

Steven Brock, CLPE, Santa Clara County Sheriff's Office

As most practicing latent fingerprint examiners would attest to, comparing latent fingerprints to known exemplars is a complex and challenging process. Years are spent understanding and fine-tuning the skills and experience necessary to arrive at scientifically sound and defensible conclusions. Traditionally, this comparison process has been conducted manually, with the use of drafting tables, magnifiers and ridge counters. More and more this comparison process is now being conducted using an electronic comparison method, making use of one of the many programs and applications available to assist the examiner in completing and documenting this process. This workshop aims to demonstrate the functionality of one of those programs readily available to examiners (Forensic Comparison Software FCSv5.5), that is very easy and intuitive to use, and is very powerful in assisting examiners to efficiently and effectively perform fingerprint comparisons digitally.

This workshop is pitched at practicing latent fingerprint examiners with a moderate to advanced understanding of the ACE-V process. No instruction into the steps or basis for the comparison process is intended, this workshop is aimed at informing examiners of a very powerful tool that is available to assist them in their role of comparing latent fingerprint evidence.

Students will be expected to bring a newish laptop with mouse attached (scroll wheel for zooming) OR an android tablet with touch screen capability and a USB port. Internet access will be required either before or during the workshop.

Students should go to <http://forensic-software.com> before the workshop and download the free 90-day trial version of 'Forensic Comparison Software FCSv5.5' by entering a valid email and installing it to their computer.

UV/IR Forensic Photography Workshop

Workshop, Tuesday, 1:00pm – 3:00pm, Room: Santa Barbara

Julio Sousa & Pat Rauh, Forensic Consultants Fuji

Full Spectrum Photography (UV/IR), using the Fujifilm X-T1IR IR in the Ultraviolet and Infrared Spectrum. The discussion and presentation will cover applicable disciplines using proven Photographic and Lighting Forensic techniques. Cameras will be provided for all attendees; limited to 20 people- 2 attendees per camera. You may bring your own X-T1IR and work solo. This will be a hands-on practical application UVIR Forensic workshop. Disciplines addressed either via presentation or in practical setting will include: latent fingerprints, blood spatter, GSR (Gun Shot Residue), under skin bruising, bite mark impressions, tattoo identification, footwear impressions, body identification... all utilizing UV/IR photography.

Lectures:

The 2016 N.I.J Study on 3D Crime Scene Scanning Devices: Key Considerations and Suggested Methodologies

Lecture, Tuesday, 9:00am – 10:00am, Room: San Carlos II

Tony Grissim, Leica Geosystems

In 2016 the National Institute of Justice published the results of a two year study by RTI's Forensic Technology Center of Excellence on the use of laser scanners at crime scenes. This seminal report represents the first time the N.I.J has ever weighed in on what it considers to be key considerations and best practice methodologies for the selection and deployment of laser scanners at crime scenes. The report described as "critical" the need for users of scanning technology to be able to both survive Daubert/Frye hearings and pass ISO 17025 accreditation audits. This presentation will explore key sections of the report and introduce attendees to the fundamentals of how a laser scanner works, what determines the ultimate accuracy of the scan data and specific quality assurance protocols recommended by the N.I.J. Workshop attendees will come away with an understanding of key points made by the report as well as understanding

the difference between laser scanner data which is appropriate for use as demonstrative evidence vs. scientific evidence.

Case Presentations Involving the Use of the Leica 3D Laser

Lecture, Tuesday, 10:00am – 11:00am, Room: San Carlos II

Dietrich Evans, Leica Geosystems

The widespread adoption of 3D laser scanning for crime scene investigation is fundamentally changing how investigators approach crime scene documentation and the output they provide to prosecutors. Laser scanning allows users to quickly and easily capture millions of extremely accurate 3D measurements along with vivid color panoramic photography. In minutes investigators can create detailed and interactive 3D “rapid response products” enabling detectives and command staff to understand the scene far sooner and in far more depth— all without visiting the crime scene and risking contamination. The technology permits amassing a complete record of a scene, not just the subjectively selected “important” points. Determining “who could see what from where?” by introducing witness viewpoints into a 3D scan scene can quickly help to corroborate or disprove witness statements. Powerful shooting reconstruction tools allow bullet trajectories to be virtually extended from ballistic impacts out into the larger scene for shooter positioning. In the courtroom 3D laser scanning exhibits have been widely credited with countering the so-called “CSI effect” by allowing prosecutors to place the jury into the crime scene via a fully immersive 3D environment. This presentation will cover case presentations using the Leica 3D Laser Scanner.

An Overview of NEC’s iBW5

Lecture, Tuesday, 11:00am – 12:00pm, Room: San Carlos II

John Dowden, Senior Product Manager, NEC

NEC’s iBW 5 has a modern user interface and intuitive screens utilizing Microsoft Windows 10, with modern pinch-and-zoom and swipe features now common on all computing devices, including desktop personal computers and tablets. In the bureau office, the crime lab or in the field at the crime scene, IBW can be operated with a tablet. The result is a fresh, new approach to a multi-modal biometrics workstation solution for tenprint and latent print entry, data entry and image enhancement, case submission, quality control, and search verification.

The Human Factor: an Overview of Cognitive Aspects in Forensics

Lecture, Tuesday, 1:00pm – 3:00pm, Room: San Carlos II

Nicole Osborn, CLPE, Los Angeles Police Department

This lecture will describe some basic principles of cognitive bias and will focus on specific academic studies which show the strengths and weaknesses of how experts perceive information

within their field. Attendees will not only walk away with a deeper understanding of human factors but will also be better prepared to answer questions in court regarding bias. This lecture also includes procedural recommendations which can help to limit bias.

Identifying Unidentified Deceased Persons

Lecture, Tuesday, 3:00pm – 5:00pm, Room: San Carlos II

Megan Eschleman, California State Department of Justice

This lecture will feature overviews of California and National Missing Persons Systems, Unidentified Persons Systems, and laws pertaining to the use of them. Guidelines for both Missing and Unidentified Persons Investigations will be provided. *Multiple* case studies will be presented on both Living and Deceased Unidentified Doe cases. California Department of Justice services will be discussed along with various local, state, federal and private resources and databases available for aiding in identification of John and Jane Doe cases.

UV/IR Forensic Photography

Lecture, Tuesday, 10:00am – 12:00pm, Room: Los Angeles

Julio Sousa & Pat Rauh, *Forensic Consultants Fuji*

Full Spectrum Photography (UV/IR), using the Fujifilm X-T1IR IR in the ultraviolet and infrared spectrums. The discussion and presentation will cover applicable disciplines using proven Photographic and Lighting Forensic techniques. Disciplines include latent fingerprints, blood spatter, GSR (Gun Shot Residue), under skin bruising, bite mark impressions, tattoo identification, footwear impressions, body identification applications and more, all utilizing UV/IR photography.

The Importance of Method Validation in Forensic Laboratories

Lecture, Tuesday, 8:00am – 9:00am, Room: Santa Barbara

Danielle O'Neill, Fingerprint Specialist, US Treasury Inspector General for Tax Administration

This lecture will address what Method Validation is and how it can be applied to various disciplines in Forensic Science. The lecture will also cover who requires laboratories to have it and the guidelines. There will be an example of what a validation worksheet could look like as well as how to write a proposal. There will also be an explanation of why it is beneficial for a laboratory to perform method validations.

Real Time Gunshot Residue Results – a Powerful New Investigative Tool in your Arsenal

Lecture, Tuesday, 10:00am – 12:00pm, Room: San Francisco

Jan Johnson, Forensic Pieces

When are GSR results most useful – real time in the field or months later in court? Now, you don't have to choose, you can have both. Attendees will practice sampling hands and surfaces and conduct an immediate detection with the XCAT Detection System. In addition, attendees will learn how these samples can be retained and SEM tested for the confirmatory result. This lecture will address collection efficiency, best sample, and analysis/interpretation of results.

Anticipating Resistance to Change While Becoming Accredited: How to Manage and Approach the Process

Lecture, Tuesday, 8:00am – 9:00am, Room: San Carlos II

Allen Brogdon, Senior Forensic Specialist, Glendale Police Department

Law enforcement and forensics are entities of today's society that is often scrutinized in public opinion and also within the court system. Due to highly publicized negative cases distributed through media, high exposure of forensic television shows to the public and a lack of universal consistency/structure with forensic practicing laboratories, a necessity for forensic laboratories to become accredited will be eminent. This presentation will explain the anticipated internal resistance from staff during the conversion of a non-accredited laboratory to an accredited entity with the possibility of external resistance as well. By examining the anticipated resistance, we will provide preempted techniques to help ease the process of becoming an accredited laboratory. In addition, providing suggestions for the accrediting bodies to help encourage laboratories going through the process.

OVER MY DEAD BODY! How to Process a Death Scene

Lecture, Tuesday, 1:00pm – 3:00pm, Room: San Francisco

Stephany Fiore, MD, Santa Cruz County Sheriff-Coroner's Office

Interactive case-based presentation on when and how to collect evidence at a homicide death scene. The attendees will be presented with a variety of homicide death scenes, from sexual assault to an arson-cover up to child neglect, and will be allowed to participate in an interactive discussion on when and how to properly collect evidence under different circumstances. The presenter wishes to stress the importance of establishing a relationship with your local Coroner/Medical Examiner's office and a working relationship with the Forensic Pathologist who will be examining the bodies in order to better understand each other with regards to the evidence collection.

Forensic Anthropology: How to Use Anthropology from the Crime Scene to the Court Room

Lecture, Tuesday, 3:00pm – 5:00pm, Room: San Francisco

Lauren Zephro, PhD, Santa Cruz County Sheriff's Office

This presentation will provide an overview of forensic anthropology, how to select and what to expect from a forensic anthropologist. Cases will be presented that detail the contribution of forensic anthropology from the crime scene through laboratory analysis, including estimation of biological profile, skeletal trauma, identification, interval since death, crime scene recovery and reconstruction. To facilitate a clearer understanding of results and significance, common terms used in forensic anthropology reports and their definitions will also be discussed.

Brady v. Maryland: Digging Deeper

Lecture, Tuesday, 11:00am – 12:00 pm, Room: Santa Barbara

Michael Chamberlain, Deputy Attorney General, California Department of Justice

Does that failed proficiency three years ago qualify as *Brady* material? Did it ever? What kind of information implicates *Brady* anyway? What is *Brady*? What about confidential material from an employee personnel file? Why am I still on the DA's "*Brady* List?" Who should I ask about *Brady*—the DA or my agency's own lawyer? These questions and more will be addressed in this presentation, the goal of which is to demystify the important but often misunderstood law surrounding *Brady v. Maryland*.

The Law of Expert Witness Testimony: Significant Changes are Afoot

Lecture, Tuesday, 4:00pm – 5:00pm, Room: Santa Barbara

Michael Chamberlain, Deputy Attorney General, California Department of Justice

A majority of Justices on the United States Supreme Court have signaled several important changes in how trial courts must consider the admissibility of expert witness testimony. And, to the extent that the Supreme Court has been less than clear with its guidance on these topics, state courts—including the California Supreme Court—have stepped in and drawn some new and bright lines. Specifically, courts no longer accept that experts can freely reference any hearsay information as a basis for an opinion. And, the Constitution's confrontation clause no longer tolerates expert recitation of "testimonial" hearsay. This presentation will describe these trends in depth, and explain what measures can be taken to ensure that your expert testimony complies with both rules of evidence and constitutional limitations.

New technology for contactless latent print detection

Lecture, Tuesday, 3:00pm – 4:00pm, Room: Santa Barbara

Normann Kreuter, CEO, German eForensics GmbH

EVISCAN is an innovative high-tech workstation that enables contactless evidence analysis. Forensic experts can detect, enhance and digitally preserve latent fingerprints and latent print evidence from non-porous surfaces. EVISCAN acquires latent fingerprints contactless and without any necessary prior treatment. The fingerprint residues are purely optical scanned and

transferred into a built-in image enhancement software. Substrates, prints and DNA remain 100% in their original condition and therefore can be re-examined even years later. Excellent results are ready for examination or AFIS-upload immediately. EVISCAN is developed in cooperation with German Criminal Police Offices to engineer a product that fits the requirements of today's crime scene investigators. During the presentation, Normann will elaborate on the advantages and limitations of such new technology and share insights from the first customer projects in Germany and the US.

Wednesday May 24th

Workshops:

Fingerprint Comparison in a Digital Age: A demonstration of Forensic Comparison Software (FCSv5.5)

Workshop, Wednesday, 8:00am – 10:00am, Room: Los Angeles
Steven Brock, Santa Clara County Sheriff's Office

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Using UV/IR Photography to Recover Invisible Evidence

Workshop, Wednesday, 1:00pm – 5:00pm, Room: Los Angeles

King Brown, West Palm Beach Police Department

Dawn Watkins, Palm Beach Gardens Police Department Retired

As technology evolves the importance of capturing forensic evidence becomes more and more important to the case solvability. New advances in Ultra-violet and Infrared photography have brought invisible evidence to the forefront of the investigation. This workshop will delve into Ultra-violet and Infrared spectrum of photography, gunshot residue, blood stains and other types of the alternate wave length photography. Several of the latest technology cameras will be on hand for student interaction. **LIMIT 25 STUDENTS.**

Evidence Photography: Multiple Flashes, Light Boxes, and Tricks of the Trade

Workshop, Wednesday, 8:00am – 10:00am, Room: Santa Barbara

Tony Nguyen, Pomona Police Department

Take control of your lighting! This is essentially an introduction to commercial table top product photography workshop. The basic concepts of studio product photography (in our case - items of evidence) will be taught. Attendees will have a chance to work with multiple flashes (portable flashes, studio strobes and hot lights), soft boxes, ring light and DIY gears. **Attendees are required to bring the following to class: DSLR camera, basic lens and macro lens, L scales (large and small), flash, remote trigger or cable, and tripod.**

Oh Henry! Need to Know Formula Essentials

Workshop, Wednesday, 10:00am - 12:00pm, Room: Santa Barbara

Cyrena Viellieux-Matsutani, Contra Costa County Sheriff's Office

This workshop is designed to provide a person with the knowledge on how to create, and interpret, the Henry Classification formula. This course will contain a breakdown of each stop of the Henry formula with worksheets being provided to attendees for practice. This is a great course to take for all of those wishing to obtain certification as there are Henry formula questions on the examinations. **MAX 16 STUDENTS. Required Equipment: Magnifier**

Basic Fingerprint and DNA Collection/Preservation

Workshop, Wednesday, 1:00pm – 3:00pm Room: Santa Barbara

Cindy Hull- C. K. Hull & Associates- Forensic Consulting Services

This “hands-on” workshop emphasizes on the basic knowledge of fingerprints, fingerprint processing using powder, DNA collection, proper safety protocols, evidence preservation and

packaging, case documentation and court preparation of collected evidence. LIMIT 12 STUDENTS

Nighttime and Low Light Photography

Workshop, Wednesday, 3:00pm – 5:00pm, Room: Santa Barbara

Tony Nguyen, Pomona Police Department

This workshop will give the attendees a chance to learn how to photograph when faced with low-light conditions. Learn the camera settings, lens selection, flash and other options for improving your images in low lighting conditions. Time permitting we will document using painting-with-light, laser reconstruction, photographing items of evidence at night, and bluestar/luminol photography. **Attendees are required to bring the following to class: DSLR camera, basic lens, flash, remote trigger or cable, and tripod.**

Evaluating New Fingerprint Powders

Workshop, Wednesday, 3:00pm – 5:00pm, Room: San Francisco

Tara Fahey, Santa Clara County Sheriff's Office

Practice your processing techniques with different kinds of fingerprint powders. Including fingerprint powders that can help deal with multi-colored surfaces and the pesky wind at crime scenes (pressed fingerprint powder)

Lectures:

The Do's and Don'ts of Creating a Curriculum Vitae

Lecture, Wednesday, 8:00am – 9:00am, Room: San Carlos I

Michele Triplett, King County Sheriff's Office

Defense attorneys are taught that a CV is the easiest part of an expert witness to attack. Don't give attorneys ammunition against you before you've even begun your testimony. This presentation will help you create a CV that demonstrates your expertise and professionalism without over exaggerating your qualifications.

Testimony: Articulating Difficult Concepts

Lecture, Wednesday, 9:00am – 10:00am, Room: San Carlos I

Michele Triplett, King County Sheriff's Office

Several sources have given recommendations on how to best articulate conclusions, however, most of these sources only address 1-4 concepts (100% certain, zero error rate, absolute, to the exclusion of all others). A more comprehensive reference list would be extremely beneficial for practitioners. This presentation will reference over 15 sources and attempt to clarify over 30 concepts (to include: Is uniqueness a necessity to identify to a sole source? What are the limitations on conclusions? Is it possible that someone else left this impression?)

Working Towards Accreditation

Lecture, Wednesday, 10:00am – 11:00am, Room: San Carlos I

Michele Triplett, King County Sheriff's Office

Accreditation does not need to be daunting or expensive, it's a means of showing others you have quality assurance measures to identify weaknesses and continually improve. This presentation outlines the main concepts of accreditation which can help non-accredited labs move towards, or give accredited labs opinions to increase efficiency. This presentation is not strictly for managers, quality is the responsibility of every forensic practitioner regardless of their position.

The Complexity of Fingerprint Comparisons

Lecture, Wednesday, 11:00am – 12:00pm, Room: San Carlos I

Michele Triplett, King County Sheriff's Office

The complexity of a fingerprint comparison has historically been given little attention. However, identifying the complexity can determine the time and quality assurance measures needed for each specific situation, which helps measure competence, productivity, and appropriate staffing. Measuring the complexity of a comparison can also be extremely useful when testifying because it gives practitioners the ability to educate the courts appropriately.

An Overview of Bloodstain Pattern Analysis with a Case Study

Lecture, Wednesday, 1:15pm – 4:45pm, Room: San Carlos I

Calvin Gaziano and Marrkel Smith, Fremont Police Department

The lecture will discuss multiple aspects of bloodstain pattern analysis. Topics include the biology of blood, characteristics of blood, the classification of various patterns, reconstructive analysis, and the documentation of bloody crime scenes. An unusual case study of a bloodstained scene will also be presented.

Staged Crime Scenes: Are They Real or Simply Incidental?

Lecture, Wednesday, 8:00am – 10:00am, Room: San Carlos II

Jan Johnson, Forensic Pieces

Most law enforcement agencies have encountered a potentially staged crime scene, some with a sinister motive behind their appearances and others of a more benign incidental nature. The average investigator, detective or crime scene technician or analyst probably knows little about empirical data or theories regarding staged crime scenes and is simply trying to efficiently process a scene during a death investigation. This lecture will equip the attendee to recognize the characteristic “red flags” that are so often present but frequently overlooked within the crime scenes, which would allow the investigator to tell the difference between the incidentals versus sinister staging events. A systematic approach to evaluating the scenes will be presented which, if applied, should enable the attendee to identify the staged scene and to properly discern whether the staging is benign or sinister in origin. Come and solve a few cases as we learn to “find the red flags.”

Trace Evidence: More Than Meets the Eye

Lecture, Wednesday, 10:00am – 12:00pm, Room: San Carlos II

Edward “Chip” Pollock and Faye Springer, Sacramento County District Attorney’s Laboratory of Forensic Services

This lecture discusses the scope of forensic trace evidence and will cover aspects of its collection, examination, and uses in the reconstruction of criminal cases. A general overview of gunshot residue, paint, hair, fiber, and glass evidence will include insight into the analytical methods used in their examination, answer questions as to what their analysis can tell you, and provide interesting case examples that demonstrate their utility and value as associative evidence in forensic cases.

Interesting Cases Involving Trace Evidence

Lecture, Wednesday, 1:00pm – 2:30pm, Room: San Carlos II

Edward “Chip” Pollock and Faye Springer, Sacramento County District Attorney’s Laboratory of Forensic Services

A general overview of gunshot residue, paint, hair, fiber, and glass evidence will include insight into the analytical methods used in their examination, answer questions as to what their analysis can tell you, and provide interesting case examples that demonstrate their utility and value as associative evidence in forensic cases.

A Case Review: What Happens When DNA Doesn’t Solve Your Case

Lecture, Wednesday, 2:30pm – 3:30pm, Room: San Carlos II

Philip Hess and Faye Springer, Sacramento County District Attorney’s Laboratory of Forensic Services

Three suspects were burglarizing homes in a quiet neighborhood in the early hours of the morning. The police chased the suspects who crashed their car and fled on foot. Police apprehended one suspect but the other two stole a car in the neighborhood and continued fleeing. The police chased them onto the freeway until they exited the highway. Soon after, the suspects ran a red light and crashed the Ford F-150 they were driving, broadsiding a sedan and killing a father and his young daughter. The suspects fled from the truck and were apprehended in the neighborhood by police. Now the question is... who was driving? The problem is, the suspects are identical twins!

A Case Review of a Double Homicide Case Involving a Mother and Children

Lecture, Wednesday, 3:30pm – 5:00pm, Room: San Carlos II

Mark Waldo, Eddie Nunez, and Mike Judson, Santa Ana Police Department

The case of a 44-year-old Arizona mother, Marilyn Kay Edge, who murdered her 10-year-old daughter, Faith and 13-year-old (special needs) son, Jaelen in a Santa Ana hotel room by subduing the two children using cough syrup and then drowning them in a bath tub. All after losing custody of the children to her ex-husband in Georgia. This case review will take you from the child custody court order in Georgia, to Arizona, to the murders in Santa Ana and the mother's attempted suicide in Costa Mesa, California. All from the perspective of the handling Detectives and Lead Forensic Investigator.

A Case Review of Staged Crime Scenes

Lecture, Wednesday, 10:00am – 12:00 pm, Room: Los Angeles

King Brown, West Palm Beach Police Department

Dawn Watkins, Palm Beach Gardens Police Department Retired

Crime Scene Staging is coming to the forefront of the investigative process, to determine if a scene is staged requires a keen eye and investigation experience.

Techniques for Charting Latent Prints

Lecture, Wednesday, 8:00am – 9:00am, Room: San Francisco

Tara Fahey, Santa Clara County Sheriff's Office

Tackling how to digitally chart prints (Latent, Tenprints, etc.) for documentation in casework or for court.

Private vs Government Bias: An Analyst Perspective

Lecture, Wednesday, 9:00am – 10:00am, Room: San Francisco

Cindy Hull- C. K. Hull & Associates- Forensic Consulting Services

From government employment to private practice, a look into the biases encountered over twenty one years as a fingerprint examiner. What viewpoints were encountered and the importance to staying true to your discipline.

Latent Print Photography: Beyond the Visible Spectrum

Lecture, Wednesday, 10:00am – 11:00am, Room: San Francisco

Danielle O'Neil, Fingerprint Specialist, US Treasury Inspector General

This lecture will explain how we tend to solely use the visible spectrum in photography of latent prints, but there are two other spectrums that can be useful. The Infrared and Ultraviolet light spectrums can be used for latent print photography. Many laboratories use RUVIS which is short wave UV but this lecture will show you how long wave reflective ultraviolet light can be beneficial when visualizing and photographing latent impressions. The lecture will also cover how IR spectrum can be used reflectively as well as with specialized powders in order to visualize and capture latents.

Preparing for a Career in Forensics

Lecture, Wednesday, 11:00am – 12:00pm, Room: San Francisco

Mark Waldo, Santa Ana Police Department

Thinking of starting a career in Forensics or thinking of promoting within your agency? Whether you are a student or currently in the field this lecture will review the basic preparation needed to land that position, which is sometimes overlooked. Will review the Do's and Don'ts, from entry level to promotion, from application to oral interview.

RAN Board: The Technical Subcommittee Process

Lecture, Wednesday, 1:00pm – 2:00pm, Room: San Francisco

Michael Kampen, Sergeant, Los Angeles County Sheriff's Department Cal-ID Unit

Angie Vargas, Operations Assistant III, Los Angeles County Sheriff's Department Cal-ID Unit

The Remote Access Network (RAN) of the Cal-ID System was developed to give agencies throughout California access to electronic submission and returns of fingerprints. Counties could set up local RAN Boards to approve the spending of funds on AFIS equipment and operational costs. The Los Angeles County Cal-ID Unit and RAN Board have established a local RAN Advisory Committee. The committee, referred to as the Technical Subcommittee, allows local agencies to propose effective uses for AFIS funds. The Technical Subcommittee has enabled the local Cal-ID Unit to establish an effective and mutually beneficial working relationship between all law enforcement agencies in Los Angeles County. This presentation will explain how the process works.

Thursday May 25th

Workshops:

Shooting Incident Reconstruction

Workshop, Thursday, 1:00pm – 2:00pm, Room: San Carlos I

Mike Giusto, Assistant Program Manager, Department of Justice- California Criminalistics Institute

Philip Hess, Criminalist IV, Sacramento County District Attorneys Laboratory of Forensic Services

This two-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.

Firearms Safety and Handling in a Crime Laboratory and Crime Scene Environment

Workshop, Thursday, 3:00pm – 5:00pm, Room: San Carlos I

Mike Giusto, Assistant Program Manager, Department of Justice- California Criminalistics Institute

Mike will provide the students with hands-on firearms safety and handling. He will supply a variety of firearms and instruct the students on how to secure each weapon. Handguns, rifles, shotguns, and black powder firearms will be covered. This workshop is a valuable tool for anyone processing crime scenes or working within the property function, as it will allow them to ensure the weapons are secure and bring them a more manageable comfort level when working with firearms.

Transitioning from Tenprint to Latent

Workshop, Thursday, 1:00pm – 5:00pm, Room: Santa Barbara

Cindy Hull, Owner, C.K.Hull & Associates

Cyrena Viellieux-Matsutani, Contra Costa County Sheriff's Office

This workshop is intended for attendees with a background in tenprints who wish to expand their latent print knowledge and skills. It will begin with an overview of the tenprint essentials associated with latent print examinations, and will teach attendees the appropriate techniques and

examination processes necessary to make the transition from Tenprint Examiner to Latent Print Examiner. MAX 25 STUDENTS. **Required Equipment: Magnifier & Pointer.**

UK Casting Techniques

Workshop, Thursday, 8:00am – 10:00am, Room: San Francisco

Cindy Hull- C. K. Hull & Associates- Forensic Consulting Services

This “hands-on” workshop will expose students to a casting product making headlines in the forensic world. Students will cast shoe impressions and experience the fast-setting and easy use of this casting material. LIMIT 12 STUDENTS

Lectures:

Fire Death Investigation and how people die in fires.

Lecture, Thursday, 8:00am – 12:00pm, Room: San Carlos I

Patrick Wills, Captain/Investigator, Long Beach Fire/ATF Arson Unit (retired)

This class will focus on the aspects of field fire death investigation featuring the following: How the human body reacts to fire. Basic fire science. Accidental deaths. Arson/Homicide. Toxicology issues. Fire and fire death statistics. How human behavior in fires of children and adults. Fire scene safety. Identification of evidence and photographing fire complex fire scenes. The class will include actual case studies of fire death investigations.

An Eye for Detail: 3rd Level and Going the Extra Fingerprint Comparison in a Digital Age

Lecture, Thursday, 10:30am – 11:30am, Room: San Carlos II

Steven Brock, CLPE, Santa Clara County Sheriff's Office

This lecture is the presentation of two recent latent print case studies from our unit. The first latent print case highlights the benefits of using 3rd level detail where present in latent impressions, and shows a few lessons that can be learnt for latent print examiners and crime scene examination personnel alike. The second case study shows the benefit of taking a few extra steps in the processing of a 20001 CVC (Hit and Run) case, where some extra effort on behalf of both crime scene examiners and latent print examiners ended in a positive outcome for the case investigation.

The Paradigm Shift: Changing Philosophies

Lecture, Thursday, 8:00am – 9:30am, Room: San Carlos II

Michele Triplett, King County Sheriff's Office

Forensics is in the midst of a paradigm shift. Old philosophies gave good conclusions, but not good enough. Errors for fingerprint conclusions were infrequent but could have been prevented. Newer philosophies are emerging to make conclusions stronger, more accurate, and more scientific. This presentation will discuss the flaws in old school philosophies of fingerprint comparisons, and changes being made to improve conclusions.

Alternative View on Exclusions

Lecture, Wednesday, 9:30am – 10:30am, Room: San Carlos II

Michele Triplett, King County Sheriff's Office

Are erroneous exclusions considered insignificant errors? Is the erroneous exclusion rate higher than desired? This presentation will discuss the importance of accurately excluding a person as the source of a latent fingerprint, and discuss key protocols that will lead to accurate exclusions.

Identifying the Unidentified

Lecture, Wednesday, 1:00pm – 2:30pm, Room: San Carlos II

Bob Hunter, Deputy Coroner Investigator/Unidentified Persons Coordinator, San Bernardino County Sheriff-Coroner

Procedures and case studies in the identification of unidentified death cases. What you should expect from your Coroner/medical examiner investigators. What information is available and how to obtain it.

Testimonial Issues in a Post-PCAST World

Lecture, Thursday, 3:00pm – 4:00pm, Room: San Carlos II

Rachelle Babler, CLPE, San Diego Crime Laboratory

This lecture will focus on the PCAST report and its findings with latent print examination and how the defense may attempt to use it during cross-examination. In addition, this lecture will review some contentious cases that have occurred in San Diego (post PCAST release) and how an examiner can prepare themselves for rigorous testimony.

Anatomy of ACE-V: Contributions of Dr. Glenn Langenburg to Fingerprints

Lecture, Thursday, 4:00pm – 5:00pm, Room: San Carlos II

Rachelle Babler, CLPE, San Diego Crime Laboratory

Dr. Glenn Langenburg is a fingerprint examiner, researcher, lecturer, and private consultant. He currently works as a supervisor at the Minnesota Bureau of Criminal Apprehension Forensic Science Laboratory and also as an instructor and consultant for his company, Elite Forensic Services. Glenn is recognized as a leading researcher and expert in several aspects of

fingerprints including the application of forensic statistics, sufficiency thresholds, probabilities, Daubert issues, cognitive issues, and more. Glenn developed the GYRO system, used during the analysis of a latent print, which has been a useful tool to examiners internationally. Glenn has also testified in several evidentiary hearings, but it was his thesis that led him on a journey of the critical analysis and study of the ACE-V process. The presenter will cover a summary of Glenn's background, his research and studies, the impact it has made in fingerprints, and how valuable his research can be during testimony.

Forensic Odontology: Identifications and More

Lecture, Thursday, 8:00am – 9:00am, Room: Los Angeles

Duane E. Spencer, DDS, FACD, D-ABFO Forensic Dental Consultant

This presentation will be an overview of the field of Forensic Odontology, focusing mainly on dental identifications. It will include numerous identification cases including several northern California disasters (1982 Caldecott Tunnel fire, 1989 Loma Prieta earthquake, 1991 East Bay firestorm, 2010 PGE pipeline explosion).

Court Testimony: I Just Got My Subpoena, Now What?

Lecture, Thursday, 9:00am – 12:00pm, Room: Los Angeles

Joseph Matvay, Las Vegas Metro Police Department (Retired)

A presentation on what to do to prepare for your first courtroom experience - and what to do while you are on the witness stand.

Some Interesting Cases Involving Suicides

Lecture, Thursday, 1:00pm – 3:00pm, Room: Los Angeles

Joseph Matvay, Las Vegas Metro Police Department (Retired)

A “slide show” presentation exhibiting some interesting and unusual suicides that the presenter has been involved with.

The use of alternate light sources and ParaDNA for screening biological fluids

Lecture, Thursday, 3:00pm – 5:00pm, Room: Los Angeles

Allyce McWhorter, Applications Specialist, Foster + Freeman

Jason Cole, Technical Sales Specialist, Foster + Freeman

Alternate light sources are tools that allow examiners to locate and process otherwise invisible evidence that includes fingerprint evidence, trace evidence (hairs, fibers, gunshot residue, and

body fluids), and bodily injuries. Biological fluids typically require additional screening to be completed before proceeding with STR analysis. In this workshop we will discuss alternate light source examination as the first, presumptive stage of the screening process followed by an innovative way to profile, screen and/or triage biological samples as a confirmatory test before STR analysis. Handouts will be provided and practical exercises will be conducted.

Tenprint Testimony Tips, Tricks & Q&A

Lecture, Thursday, 8:00am – 9:00am, Room: Santa Barbara

Cyrena Viellieux-Matsutani – Contra Costa County Office of the Sheriff

This lecture will offer tips and tricks on how to best prepare yourself as a Tenprint Expert Witness. It will cover some of the most common questions and tactics utilized by the defense in discrediting your abilities and/or the science. The instructor will offer suggestions on how to appropriately respond to specific types of questions. This lecture will be an open discussion where participants are encouraged to share their own experiences and any suggestions to others in the field.

Toxic Leadership and Supervision in Forensics

Lecture, Thursday, 9:00am – 10:00am, Room: Santa Barbara

Mark Waldo, Santa Ana Police Department

Toxic leadership is detrimental to law enforcement and the field of forensics. In this lecture, we will discuss the differences between a Leader, Supervisor and Manager. This presentation will highlight the qualities of a good leader and how bad supervision can create a toxic work environment. We will also review how to transition into a supervisory role while maintaining the support from subordinates and command staff.

The Truth Is Stranger Than Fiction: A Bloodstain Interpretation Case To Remember

Lecture: Thursday, 10:00am – 11:00am, Room: Santa Barbara

Philip Hess, Criminalist IV, Sacramento County District Attorney's Laboratory of Forensic Services

A review of a bloodstain interpretation case. A man rented out a hotel room for a week under another man's name and credit card. At the end of the week, no one checked out of the room with the front desk. The hotel staff entered the room to clean it and found blood in every room, on every wall, floor, and piece of furniture... but no body was found.

What IBIS and NIBIN Can Do For You

Lecture, Thursday, 10:00am – 11:00am, Room: San Francisco

Mark Babione, Salinas Police Department

Are you tired of the lengthy wait for ballistic evidence examinations and results? It is no fun waiting for IBIS correlations or gun test fire links. Maybe it is time to examine your options and take control of the timeliness and focus of ballistic leads. Imagine having shooting correlations in a week and gun test fires in two. What impact would that have on case investigations, search warrants, suspect apprehension and preliminary hearings? No, you haven't been smoking weed or had too much to drink at this conference.

This will be a straight forward discussion about a medium sized department's success by streamlining evidence procedures and administrating its own IBIS ballistic lab, unwittingly mirroring ATF's new lab model. The procedures of rapid intake, processing, examination, entry, result retrieval and dissemination. What might be needed to make IBIS quickly and effectively work for your agency or county?

RAN Board: The Technical Subcommittee Process

Lecture, Thursday, 11:00am – 12:00pm, Room: San Francisco

Michael Kampen, Sergeant, Los Angeles County Sheriff's Department Cal-ID Unit

Angie Vargas, Operations Assistant III, Los Angeles County Sheriff's Department Cal-ID Unit

The Remote Access Network (RAN) of the Cal-ID System was developed to give agencies throughout California access to electronic submission and returns of fingerprints. Counties could set up local RAN Boards to approve the spending of funds on AFIS equipment and operational costs. The Los Angeles County Cal-ID Unit and RAN Board have established a local RAN Advisory Committee. The committee, referred to as the Technical Subcommittee, allows local agencies to propose effective uses for AFIS funds. The Technical Subcommittee has enabled the local Cal-ID Unit to establish an effective and mutually beneficial working relationship between all law enforcement agencies in Los Angeles County. This presentation will explain how the process works.

Get Involved with Your Association

Lecture, Wednesday, 1:15pm – 2:15pm, Room: San Francisco

John Thompson, Dean Emeritus, CSDIAI

Darrell Klasey, Dean of the North, CSDIAI

Doug Coleman, Dean of the South, CSDIAI

Ask Not What Your Association Can Do For You – Ask What You Can Do For Your Association. Three experienced Life Members of the California State Division – International Association for Identification (CSD-IAI) will offer insight into becoming involved with the Association – your Association. What's CSD-IAI all about? A brief history of the CSD-IAI will lead into descriptions of various committees and offices that are available to members wishing to become more involved with the running of the Association. Members are encouraged to bring their questions, as all questions will be answered. If you've been wondering if CSD-IAI

committee work or a leadership role is for you, then this is the presentation you won't want to miss.

Breaking up is easy: The uncoupling of serological and DNA tests of blood exposed to UV light

Courtney Lionudakis Perez, California State University Sacramento

Allison Mallory, California State University Sacramento

There are a variety of tests used by the forensic community to confirm whether or not a human blood sample is present at a crime scene. These tests include presumptive, semi-confirmatory, and confirmatory tests. The presumptive test Hemastix is sensitive for any kind of blood, however not specifically human blood. Semi-confirmatory tests such as HemaTrace test specifically for the presence of human hemoglobin. Confirmatory testing is done by extracting DNA from a blood sample, amplifying it, and generating a profile. To date, however, there has been no research discussing whether or not these tests are correlated. Typically, if the presumptive test is positive but the semi-confirmatory test is negative, it is assumed that human blood is not present and confirmatory testing is not done. We looked into whether or not outside factors affecting blood stains could uncouple these tests. We exposed human blood samples to UV light to see if UV light would uncouple common tests for blood. Despite each sample having a positive presumptive test, we began getting negative semi-confirmatory tests after prolonged UV exposure. In addition, profiles generated from DNA testing decreased in amount of full loci detected beginning at 24 hours.

Latent Print Photography: Beyond the Visible Spectrum

Lecture, Thursday, 3:30pm – 4:30pm, Room: San Francisco

Danielle O'Neil, Fingerprint Specialist, US Treasury Inspector General

This lecture will explain how we tend to solely use the visible spectrum in photography of latent prints, but there are two other spectrums that can be useful. The Infrared and Ultraviolet light spectrums can be used for latent print photography. Many laboratories use RUVIS which is short wave UV but this lecture will show you how long wave reflective ultraviolet light can be beneficial when visualizing and photographing latent impressions. The lecture will also cover how IR spectrum can be used reflectively as well as with specialized powders in order to visualize and capture latents.

Friday May 26th

Workshops:

Shooting Incident Reconstruction

Workshop, Friday, 8:00am – 10:00am, Room: San Carlos I

Mike Giusto, Assistant Program Manager, Department of Justice- California Criminalistics Institute

Philip Hess, Criminalist IV, Sacramento County District Attorneys Laboratory of Forensic Services

This two-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.

Lifting Prints Off of Difficult Surfaces

Workshop, 1:00pm – 5:00pm, Room: San Carlos II

Jason Cole, Technical Sales Specialist, Foster and Freeman

This hands-on workshop is designed to give experience to the students by using various powder applications and lifting techniques. The best way to become proficient is by doing it! After attending this class, students will be able to lift latent prints off almost any surface; such as tape, feathers, wet, textured, multi-contoured, and unusual surfaces that a print has been developed on. We will also discuss the proper way to fill out a latent lift card.

Lectures:

Bloodstain Pattern Analysis: A Case Review and Testimony

Lecture, Friday, 10:00am – 12:00pm, Room: San Carlos I

Joseph Matvay, Las Vegas Metro Police Department (Retired)

Actual video courtroom testimony dealing with blood stain pattern analysis – the direct examination and the cross examination.

PCAST Panel Discussion and a Discussion of the Changes in the Wording of Conclusions with Respect to Latent Print Reporting

Lecture, Friday, 1:00pm – 3:00pm, Room: San Carlos I

Thomas Wortman, Latent Print Branch, U.S. Army Criminal Investigation Laboratory

Tim Fayle Fingerprint Identification Director, Santa Clara County Sheriff's Office

This panel discussion will talk over the current trends and issues in reporting conclusions in latent print reports and testimony. We will also discuss the PCAST report and its influence on the pattern matching disciplines.

An Eye for Detail: 3rd Level and Going the Extra Fingerprint Comparison in a Digital Age

Lecture, Friday, 3:00pm – 4:00pm, Room: San Carlos I

Steven Brock, CLPE, Santa Clara County Sheriff's Office

This lecture is the presentation of two recent latent print case studies from our unit. The first latent print case highlights the benefits of using 3rd level detail where present in latent impressions, and shows a few lessons that can be learnt for latent print examiners and crime scene examination personnel alike. The second case study shows the benefit of taking a few extra steps in the processing of a 20001 CVC (Hit and Run) case, where some extra effort on behalf of both crime scene examiners and latent print examiners ended in a positive outcome for the case investigation.

Fingerprinting “Down Under”: The Comprehensive Australian Fingerprint Training Program

Lecture, Friday, 8:00am – 9:00am, Room: San Carlos II

Tim Fayle, CLPE, Fingerprint Identification Director, Santa Clara County Sheriff's Office

The Australian Training program for fingerprint examiners is an intensive and comprehensive training, spanning a minimum of 4-5 years. After successfully completing rigorous experts testing, an examiner is awarded a Certificate of Expertise in the Science of Fingerprints from an independent accrediting board – a certification that is mandated in Australia for a fingerprint examiner to function as an expert. The presenter started in the fingerprint field in Australia and completed this training program, and will discuss the process – and even how some of the ideas from the Australian training program could potentially be incorporated into an agency's own training program.

Courtroom Questions for Latent print Examiners

Lecture, Friday, 9:00am – 10:00am, Room: San Carlos II

Tim Fayle, CLPE, Fingerprint Identification Director, Santa Clara County Sheriff's Office

There are a myriad of questions that latent print examiners can face when testifying, and the better prepared an examiner is, the more likely they are to answer those questions effectively. Often times examiners are required to defend the science of fingerprints and the reliability of their conclusions. This presentation aims to discuss the most common lines of questioning that the presenter and many other examiners have indicated that they have faced in court previously, and some suggestions on how to answer those lines of questioning. Topics covered include: qualifying, ACE-V, ridgeology, Madrid bombing, bias, NAS, PCAST, Daubert, Frye, and others.

The Ethical Use of Social Media in Law Enforcement

Lecture, Friday, 10:00am – 12:00pm, Room: San Carlos II

Nathan Steele, DPREP, LLC

Employee misuse of technology is becoming a serious problem in law enforcement agencies and needs to be addressed. This class will educate the individual officer, internal affairs investigator, supervisors, managers and law enforcement Association leadership about the common mistakes made while using various methods of technology. These mistakes can seriously jeopardize an individual's career and future employment in law enforcement. Numerous case studies and practical examples will be utilized during the class to reinforce the teaching points.

Anticipating Resistance to Change While Becoming Accredited: How to Manage and Approach the Process

Lecture, Friday, 11:00am – 12:00pm, Room: Los Angeles

Allen Brogdon, Senior Forensic Specialist, Glendale Police Department

Law enforcement and forensics are entities of today's society that is often scrutinized in public opinion and also within the court system. Due to highly publicized negative cases distributed through media, high exposure of forensic television shows to the public and a lack of universal consistency/structure with forensic practicing laboratories, a necessity for forensic laboratories to become accredited will be eminent. This presentation will explain the anticipated internal resistance from staff during the conversion of a non-accredited laboratory to an accredited entity with the possibility of external resistance as well. By examining the anticipated resistance, we will provide preempted techniques to help ease the process of becoming an accredited laboratory. In addition, providing suggestions for the accrediting bodies to help encourage laboratories going through the process.

Falsely Accused, A Mother's Nightmare (part 2)

Lecture, Friday, 1:00pm – 2:00pm, Room: Los Angeles

Cindy Hull- C. K. Hull & Associates- Forensic Consulting Services

A Fresno case that shook the world of the Neylon family. In December 2015, a mother of three was falsely accused of a crime she didn't commit. This presentation will walk you through the family's nightmare, the Defense's struggles and a fingerprint consultant's perspective.

Bloodstain Pattern Recognition: Identify the pattern and solve the crime!

Lecture, Friday, 2:00pm – 4:00pm, Room: Los Angeles

Jan Johnson, Forensic Pieces

STOP right here! Come and try your skills at bloodstain pattern recognition and see if you can reconstruct the events that took place and their sequence. These four cases are specifically selected to stimulate the attendees brains and solve the most asked questions in forensic cases.....the Who, What, When, Where and How. This lecture and practical application of skills will appeal to both the novice and the seasoned crime scene analysts; investigators and detectives whose job it is to solve the puzzles and unlock the mysteries that bloodstain patterns have to offer. Some will get the solutions correct others will be horribly wrong.....but it's free and there is no penalty for being wrong in the training class. So come and learn.....once the answers are revealed the attendees will hopefully never make the same mistake again and did I mention this is free.

The Use of Selected Metals for the Development of Latent Prints using Vacuum Metal Deposition.

Lecture, Friday, 8:00am – 9:00am, Room: Santa Barbara

Brian Orr, Bellevue Police Department

Vacuum Metal Deposition (VMD) is a long established technique used for the development of latent prints. Because different surfaces involve different plating chemistry, it is necessary to try other evaporative metals. This presentation will discuss the effectiveness of using different evaporative metals. This lecture will include; selecting the right evaporation metals, how substrates can affect the condensation of evaporated metals, single metal and multi metal processes, and health and safety issues.

Leadership and Self Reflection

Lecture, Friday, 9:00am – 10:00am, Room: Santa Barbara

Paul E. Troxel, ENP, Placer County Sheriff's Office – Dispatch Services Manager

This presentation is a facilitated discussion about leadership, organizational culture and impacts of leadership in our organizations. The discussion and video clips used will help to identify leaders, what are good traits and what are not good traits of a leader. The course will also examine a “boss” vs a “leader” and discuss the impacts of both in the workplace. The discussion on organizational culture will exam what culture exists and what potential impact does that have on leadership. Throughout the discussion the attendees can expect to share their experiences and challenges to gather additional tools for handling challenges in their workplace. The use of multi-media, video and discussion from the group will present some thoughts and ideas to the attendees to continue to build upon their leadership foundation.

Shooting Reconstruction Case Review

Lecture, Friday, 10:00am – 12:00pm, Room: Santa Barbara

Jan Johnson, Forensic Pieces

Come and test YOUR mind and your skill sets and try to solve the shooting incident puzzles. This lecture is designed to make the attendees use unbiased analytical thinking and the application of the scientific method to solve the case study mysteries, which are real and do have a correct solution. The techniques employed in processing a shooting crime scene can be viewed as applied physical science and, as such, the various methods and techniques are well known, routine, readily verified, and repeatable. There are a number of different skills and a base of knowledge that are utilized by individuals that perform shooting reconstruction and these will be covered and illustrated in the case studies. Will you be able to dodge the bullet and catch the complex relationships between the various aspects of a shooting case where single forensic findings may be accounted for by multiple possible scenarios or be a victim of your own thought process on your own case. Come to the class and test your skills!