

ACSR-2025, Boise Idaho

March 17-20, 2025

Conference Tentative Agenda*

Monday - March 17 (St. Patrick's Day)

- 7:00-8:00 Registration officially opens – Check in Here for the Conference (Coffee?)
- 8:00-9:00 Welcome Introductions, Vendor/Sponsor Introductions, Logistics
- 9:00-10:30 Guest Speaker Presentations
- 10:30-11:00 Morning Break with Vendors (prizes for participation)
- 11:00-12:00 Guest Speaker Presentation
- 12:00-1:00 Lunch on your Own
- 1:00-3:00 Guest Speaker Presentations
- 3:00-3:30 Afternoon Break with Vendors (prizes for participation)
- 3:30 – 5:00 Guest Speaker Presentations

Dinner on your own, Hospitality to be determined.

Tuesday – March 18

- 7:00-8:00 Registration – Check in Here for the Conference (Coffee?)
- 8:00-10:15 Keynote Presentation – The Investigations and Trial of Chad DayBell
- 10:15-10:45 Morning Break with Vendors (prizes for participation)
- 10:45-12:00 Keynote Presentation (cont.) – The Investigations and Trial of Chad DayBell
- 12:00-1:00 Lunch on your Own
- 1:00-3:30 Guest Speaker Presentation
- 3:30-4:00 Afternoon Break with Vendors (prizes for participation)
- 4:00 – 5:00 ACSR Business Meeting (voting members must attend, non-voting observers welcome)

Dinner on your own, Hospitality to be determined.

- 6:30 - ? Last Piece Society – This informal gathering is an opportunity for forensic practitioners of all experience levels to meet with top forensic experts and share experiences, present interesting or puzzling case observations, review cold cases for fresh perspectives or provide informal reviews without the stress of having a scheduled formal presentation. BRING YOUR OWN PHOTOGRAPHS TO SHOW USING THE PROVIDED LAPTOP PROJECTOR!

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Wednesday – March 19 – Workshops (scheduling to be determined)

8:00-12:00	Morning Workshops
12:00-1:00	Lunch
1:00- 5:00	Afternoon Workshops

Workshop topics may be repeated and are scheduled to include:

- Less Lethal Munitions Examinations
- Evaluation of the Sounds of Gunfire Captured on Recording Devices
- Ejection Pattern Error and Limitations
- Documenting , Collecting and Evaluation of Footwear Evidence
- Documenting , Collecting and Evaluation of Entomology Evidence
- Reconstructing a Scene Together led by Tom Bevel

6:00-? Banquet and Informal get together Hockey Night – See the Idaho Steelheads-an American professional minor league ice hockey team based in Boise, Idaho do battle with the Allen Americans – their Texas based rivals!
Arena style food and beverage will be available.

Thursday March 20

9:00-10:30	Panel Discussion – Expert Testimony Tips, Tricks and Gotcha’s – audience participation is welcome!
10:30-11:00	Morning Break with Vendors (prizes for participation)
11:00-12:00	Guest Speaker Presentation
12:00-1:00	Lunch on your Own
1:00-3:00	Guest Speaker Presentations
	End of Conference - Departure Day

*This tentative schedule may change pending the availability and scheduling requirements of participants.

Meeting At a Glance

	Monday March 17	Tuesday March 18	Wednesday March 19	Thursday March 20
7:00	Registration Opens			
8:00-8:30	Welcome Introductions – Vendor Recognition	Keynote Presentation: The Chad DaBell Case Prosecutor Robert Wood Detective Ray Hermosillo	Morning Workshops: 1. Less Lethal (Range) 2. Noedel Gun Range 3. Bevel – Lets Recon 4. Young - Bugs 5. Jagmin/Wheat	Panel Discussion: Expert Testimony Tips, Tricks and Gotcha’s
8:30 – 9:15	I’ve Got a Couple of Dead Bodies Here Noedel/Green (45)			
9:15 – 9:45	An Unusual Method of Suicide Alessio (30)			
9:45-10:15	From Evidence to Insight (Rong)			Break with Vendors: Must be present to win!
10:15-10:45	Break with Vendors: Must be present to win!	Alessio Il Clackamas town Center		
10:45 – 11:45	It’s the Little Things Norris	Keynote Presentation: The Chad DaBell Case		
11:45-1:00	Lunch on Own	Lunch on Own	Lunch on Own	Lunch on Own
1:00-1:30	Emotional Wellness in Crime Scene Reynolds	Virtual Investigation and Forensic Training Simulation Hunter	Afternoon Workshops 2. Noedel Gun Range 3. Bevel – Lets Recon 4. Young - Bugs 5. Jagmin/Wheat	Sweden’s New Reality Ekman
1:30 – 3:00		PhotoGUNmetry Brudenell		Zientek - The Impact of Artificial Intelligence on Crime Scene Reconstruction
				Smugeresky - Cold Case Investigations
3:30	Break with Vendors: Must be present to win!	Break with Vendors: Must be present to win!		
3:30 – 4:30	Reconstructing Knowledge-Teaching Reconstruction Houghton	ACSR Business Meeting		
	Dinner on your own	Last Piece Society 6:30	Hockey Night in Boise-ACSR Banquet at the Arena	

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I've Got a Couple of Dead Bodies Here

Karen Green, Green forensics
Matthw Noedel, Noedel Scientific

Abstract

This presentation will discuss the scene reconstruction of a double homicide involving a firearm. Topics that will highlighted include the value of 3D scanning for visualization and demonstrative purposes, the information that can be gleaned post scene from photographs and reports, and reconstructive implications of inaccurate scene data.

Presenters Bio:

Karen Green has been a Forensic Scientist for nearly 30 years. After 16 years with state police agencies, she started Green Forensics and is now a private consultant. She specializes in cases involving DNA analysis and crime scene investigation and reconstruction. She is a past president of the Association for Crime Scene Reconstruction and a past member and current affiliate with the crime scene investigation subcommittee of the Organization of Scientific Area Committees.

Matthew Noedel has worked in forensic science for over 38 years. Currently, he provides consultation and training for criminal prosecution and defense as well as Civil Plaintiff and Defense (typically associated with Officer Involved Shootings). He is a Past President of ACSR a distinguished and certified member of the Association of Firearm and Tool Mark Examiners and a current member of the OSAC Crime Scene subcommittee. Mr. Noedel's primary expertise is in the reconstruction of general crime scenes, shooting scenes and scenes involving bloodstain pattern analysis.

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An Unusual Method of Suicide

Dan Alessio, Oregon State Police Forensic laboratory

Abstract:

This presentation will cover a case where an unconventional method was used to commit suicide and the steps taken to reconstruct the incident.

Presenter Bio:

Dan Alessio has been a Forensic Scientist with the Oregon State Police Portland Metro Forensic Laboratory for 25 years. He has spent his entire career working in the Firearm/Toolmark Section as well as 20 years on the laboratory crime scene response team. He is an active member of the forensic community. He is a member of ACSR, a Life member of the Northwest Association of Forensic Scientists, and a Distinguished member of the Association of Firearm and Tool Mark Examiners and currently serves on that Association's Board of Directors. Additionally, Dan is a member of the OSAC Crime Scene Investigation & Reconstruction Subcommittee. He has also been an instructor for the Bureau of Alcohol, Tobacco, Firearms and Explosives National Firearms Examiner Academy for fifteen years.

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From Evidence to Insight: Crime Scene Reconstruction through the lens of Forensic Chemistry and Physics Laboratory

Phua Rong (Philippines)

Abstract:

The Forensic Chemistry and Physics Laboratory at Singapore's Health Sciences Authority provides comprehensive crime scene reconstruction services tailored to the nation's unique profile. This presentation explores our multidisciplinary approach, integrating various evidence types for source and activity level interpretation. We highlight the critical role of simulation experiments in resolving complex investigative questions and discuss our stakeholder outreach initiatives, including infographics and training courses, to enhance understanding of crime scene reconstruction. Furthermore, we discuss our Laboratory's involvement in the Asian Forensic Sciences Network's crime scene investigation workgroup, detailing collaborative projects and knowledge-sharing initiatives that advance regional expertise in this field.

Presenter Bio:

Mr. Phua Zai Rong is a Senior Forensic Scientist with the Health Sciences Authority. He currently serves as the technical leader overseeing the disciplines of crime scene reconstruction and bloodstain pattern analysis in the Forensic Chemistry and Physics Laboratory. Concurrently, he holds the position of vice-chairman for the crime scene investigation workgroup of the Asian Forensic Sciences Network. Mr. Phua holds a Bachelor's degree with First Class Honours in Chemistry and Biological Chemistry from Nanyang Technological University, Singapore.

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It's the Little Things

Clint Norris

Abstract:

In a reconstruction, details matter. On May 2, 2019, Robert Moody shot and killed Bobby Nunez. He didn't deny it; in fact, he called 911. In subsequent interviews, Mr. Moody claimed he shot in self-defense. But did he? Was this a case of self-protection or was this cold-blooded murder? The ensuing reconstruction sought to understand and interpret the evidence in order to determine if the sole narrative of events was consistent with the limited amount of evidence available. In the final analysis, details pertaining to the position/location of the body and certain bloodstains bathed the reconstruction and interpretation of events in clarifying bright light. In this presentation, I will explain the events and evidence, detail the processes used in the reconstruction, discuss some "light bulb moments," and address some lessons learned throughout the process.

Presenter Bio:

Clint Norris is an investigative agent with the New Mexico State Police out of Las Cruces. Clint has been employed by the NMSP for going on 17 years and has worked as a full-time crime scene investigator for nearly 12 of those years. He finds the reconstructive/analytical nature of his work to be the most fascinating and rewarding and enjoys being able to shed as much light and truth on a matter as possible.

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A Conversation About Emotional Wellness in Investigations

Casson Reynolds

Abstract:

This presentation will be an open conversation about the struggles, emotions, and challenges we all face in a criminal investigation and the need to separate ourselves from the trauma filled work. The goal of this presentation is to recognize common areas of stress and emotional triggers and provide ways to relax, escape, and balance your life.

Presenter Bio:

Casson Reynolds is the instructor/developer in Crime Scene Investigations and Reconstruction for the North Carolina Justice Academy as a part of the North Carolina Department of Justice. He has a Master of Science degree in Criminal Justice and is a PhD Candidate in Forensic Science. He is a Certified Senior Crime Scene Analyst through the IAI, the current president of the Association for Crime Scene Reconstruction (ACSR), the current Chair of the Board for North Carolina International Association for Identification (NCIAI), and is a Board Member of the American Academy of Forensic Science Standards Board (ASB) in Bloodstain Pattern Analysis. He is an adjunct professor of forensic science with the University of North Carolina Wilmington, an instructor with Foxen Forensic Laboratories, and a Subject Matter Expert with Bevel, Gardner & Associates.

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Reconstructing Knowledge: Innovative Approaches to Teaching Forensic Reconstruction Techniques in Higher Education

Amie Houghton
Program Director, Forensic Investigations - Utah Valley University

Abstract:

This presentation explores innovative methodologies for teaching forensic reconstruction techniques within higher education, emphasizing the integration of theoretical knowledge and practical application. As forensic science continues to evolve it is imperative that educational institutions adapt their curricula to prepare students for the complexities of real-world forensic scenarios. This session will outline a comprehensive framework that incorporates hands-on practical exercises, case studies, and interdisciplinary collaboration, highlighting the importance of critical thinking and problem-solving skills in forensic investigations. Attendees will gain insights into how Utah Valley University has incorporated various techniques to enhance student engagement and learning outcomes within their forensic degree program. By fostering an interactive learning environment, this presentation highlights strategies being used to effectively teach forensic reconstruction, ultimately preparing the next generation of forensic professionals to meet the demands of a dynamic field.

Presenter Bio:

Amie Houghton serves as the Program Director for the Forensic Investigation degree program at Utah Valley University. She teaches various courses at UVU which include: Introduction to Forensic Science, Crime Scene Investigation Techniques, Complex Scene Analysis and Reconstruction, Forensic Photography, Forensic Pathology and Medicolegal Death Investigations. Amie was integral in obtaining FEPAC accreditation for the forensic program at UVU, where the Forensic Investigation degree was the first of 2 programs in the U.S. to become accredited in a CSI discipline. Amie has an extensive background in crime scene investigation, analysis and reconstruction, which she obtained from over a decade of working in federal law enforcement.

Prior to her appointment at UVU, Amie was a Special Agent with the Naval Criminal Investigative Service. During her 11+ years of experience with NCIS, she conducted felony level criminal investigations for the Department of the Navy within the US and overseas, including Afghanistan. She worked homicide, suicide, natural death cases; property crime; adult and child sexual assault. She worked counter terrorism/force protection issues by supporting US Naval ships visiting foreign ports within the Middle East, in addition to counterintelligence operations in Afghanistan. In 2013, she joined a specialized unit within NCIS, Office of Forensic Support, where she served as forensic consultant for Marine West, Camp Pendleton, CA. In this capacity she supported all Marine Corps bases in the western US. She provided consultation on major or complex crime scene investigations/analysis. She also provided training to NCIS personnel and local law enforcement

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focused on skills associated with CSI. In 2015, she was promoted to Supervisory Special Agent for the Pacific Region in the Office of Forensic Support. She supervised Forensic Consultants who provided support in the western US and Far East regions for the DoN.

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Keynote Presentation: The Long and Winding Road-A Review of the Investigation and Trial of Chad DaBell

Prosecutor Robert Wood

Detective Ray Hermosillo

Abstract:

The Vallow–Daybell doomsday murders are a series of killings—including child murder, filicide and spousal murder—committed by an American couple, Lori Vallow Daybell and Chad Daybell, who led a Mormon religious group described by the journalists as a "doomsday cult." The case was set in motion when Lori's daughter, Tylee Ryan (16), and younger adopted son, Joshua Jaxon "J. J." Vallow (7), disappeared respectively on September 9 and September 23, 2019. Their remains were found in Rexburg, Idaho, on June 9, 2020; they had been buried on property belonging to Chad, who was Lori's lover at the time of their deaths and had become her husband by the time their bodies were found.

Presenter Bio:

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Virtual Investigation Unit (VR Forensics Training Sim)

Jordan Hunter, Darick Cochrane

Abstract:

Jump into a whole new training simulation and join the Virtual Investigation Unit to learn how to document a scene as a CSI team member. As many as four students can jump into a simulation together to gather data and discover evidence in two life-like environments; an apartment and alleyway, both of which have unique evidence. As a team we are focused on four goals: realism, ease-of-use, fun, and polished.

Presenters Bio:

Darick Cochrane and Jordan Hunter are Video Game Development and Animation seniors at Utah Valley University (Orem, UT). Darick has worked on multiple student-lead projects for the university, creating unique and complex interactions for users, especially when using hand-tracking in VR. Jordan has an background in 2D interaction design and has worked with different UVU staff and students to bridge 2D and 3D interaction design as this technology becomes more important to more industries.

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What is PhotoGUNmetry?

Aaron Brudenell

Abstract:

PhotoGUNmetry is the name of a combination of techniques used to analyze imagery (both still and video) to evaluate possible firearms and related evidence from shooting incidents or other criminal activity involving real guns or their replicas. Data from social media, surveillance, and other sources can be compared to reference firearms and information on recovered ammunition to assist in the evaluation of evidence related to criminal investigations. This information can be used for other forms of forensic intelligence gathering.

Presenter Bio:

Aaron is an ATF trained Firearm Examiner and Shooting Reconstruction expert with 30 years of forensic experience involving over 1000 firearm and/or shooting incident related cases. Aaron has worked for 4 accredited government crime laboratories and as a consultant has provided forensic analysis to plaintiff/prosecution and defense attorneys in both civil and criminal cases throughout the US. Aaron has served as assessor for multiple Laboratory Accrediting Bodies engaged in the accreditation of forensic laboratories and participated on numerous committees involved in policy making and the science of the fields of pattern/impression evidence.

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Courtroom Testimony Roundtable

Panel Participants – to be Determined

Abstract

Each attending participant will be given a simple questionnaire (can be identified or anonymous) regarding testimony woes. The panel will review these and attempt to provide real world solutions to the difficult but fair questions we may be asked in court.

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Clackamas Town Center Mall Shooting

Dan Alessio, Oregon State Police Forensic laboratory

Abstract:

In December 2012 a masked gunman entered the Portland area Clackamas Town Center Mall and began shooting. This presentation will cover the events leading up to and during the incident.

Presenter Bio:

Dan Alessio has been a Forensic Scientist with the Oregon State Police Portland Metro Forensic Laboratory for 25 years. He has spent his entire career working in the Firearm/Toolmark Section as well as 20 years on the laboratory crime scene response team. He is an active member of the forensic community. He is a member of ACSR, a Life member of the Northwest Association of Forensic Scientists, and a Distinguished member of the Association of Firearm and Tool Mark Examiners and currently serves on that Association's Board of Directors. Additionally, Dan is a member of the OSAC Crime Scene Investigation & Reconstruction Subcommittee. He has also been an instructor for the Bureau of Alcohol, Tobacco, Firearms and Explosives National Firearms Examiner Academy for fifteen years.

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The Impact of Artificial Intelligence on Crime Scene Reconstruction and Investigations: Opportunities, Challenges, and Ethical Considerations

Dan Zientek

Abstract:

Artificial Intelligence (AI) is transforming the landscape of forensic science and crime scene investigations, offering groundbreaking opportunities for precision and efficiency. This presentation explores the evolving role of AI tools in forensic photography, evidence analysis, and scene reconstruction, emphasizing how these technologies enhance investigative capabilities. Specific attention will be given to AI-based crime scene reconstruction tools, predictive analytics, and automated evidence processing to highlight the benefits of real-time decision-making and improved accuracy.

However, alongside these advancements come significant challenges. A primary focus will be on the emergence of deepfake technology, which has raised new questions about the integrity of video evidence. The ability to manipulate audio-visual content using AI presents both investigative risks and legal dilemmas, demanding new standards for evidence authentication. This session will explore both the potential and limitations of AI, while proposing strategies to mitigate misuse.

Attendees will leave with practical insights into the current capabilities of AI, best practices for incorporating these tools into investigations, and an understanding of the ethical and legal implications that accompany AI-powered forensics.

Presenter Bio:

Assistant Chief Dan Zientek began his career in law enforcement in 1991 as a Texas peace officer. While in Harris County, he was promoted to Sergeant, working the streets as part of patrol, the DWI task force, and investigations. In 2006, Dan transferred to the Montgomery County Sheriff's Office to be closer to his hometown of Magnolia. He quickly moved from patrol to the Criminal Investigation Division. By 2008, Dan was selected to be part of the newly formed Major Crimes Unit, focusing on homicide and serious bodily injury cases. During this time, Dan was deputized by The US Marshall's office as a part-time Federal task force officer; as part of the FBI safe street task force, he contributed to the investigations of bank and armed robberies. Dan continued to be promoted through the ranks to Lieutenant overseeing Major Crimes , Persons crimes, Crimes against Children, Sex Crimes and Internet Crimes Against Children, before accepting a captain's position with Montgomery County Constable Pct. 3.

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In his captain role, Dan was third in command of the department and was over the day-to-day operation of all divisions including civil, records, patrol, property and evidence management. In 2022 Dan accepted a position as Assistant Chief of Police for Humble Police Department to serve as second in command of the department. Dan is in an administrative role to oversee all divisions to include, jail, property and evidence, crime lab, dispatch, patrol, criminal investigations, internal affairs, training division, animal control and traffic division along with business operations such as project management and budgeting. During his first year he has expanded the technology of the department and implemented programs that have increased apprehension of criminals while increasing officer safety, increased hiring and retention of officers, and expanded community programs. During following years he has brought newer technologies to the department to make Humble Police Department one of the most advanced technology departments in the country to include a real time crime center, drone first responder program and accident and crime scene reconstruction using 3d lidar and photogrammetry.

Dan holds multiple certifications through TEEX Forensic Science Academy, including Forensic Investigator I and II, Major Crimes Investigator, and Property and Evidence Management. He is TCOLE certified as a Master Peace Officer, Special Investigator and Instructor, and has received over 5000 hours of training in crime scene forensics, criminal investigations and leadership. He attended the prestigious FBI National Academy program in Quantico, VA as well as the FBI-LEEDA leadership program. In Texas leadership circles, Dan has completed the Bill Blackwood Leadership Command College (aka LEMIT, or the Law Enforcement Management Institute of Texas) through Sam Houston State University, publishing a white paper on accountability in criminal investigations. Dan completed the Law Enforcement Command Officer Program through Texas Police Chief Association in 2024. Dan holds an associate degree from Lone Star College, a Bachelor of Science in Criminal Justice from Sam Houston State University, and a Master of Science degree from Sam Houston State University in Criminal Justice Leadership and Management. Currently Dan is Enrolled in the Doctorate of Leadership Studies at Louisiana State University - Shreveport.

In 2008, Dan became an adjunct instructor for TEEX Forensic Science Academy, a division of Texas A&M University. He assisted in the development of investigative courses as both a subject matter expert and a course evaluator. Dan currently teaches Criminal Investigations, Death Investigations and Forensic Photography to crime scene investigators and detectives and has presented at multiple conferences about accountability, trending technologies, leadership, crime scene and criminal investigations.

Dan currently serves as President on the Texas Division of the IAI board and social media coordinator for the International Association for Identification. He also serves as a board member for the Association for Crime Scene Reconstruction as well as on the board and legislative committee for the Texas Association of Property and Evidence Inventory Technicians. He has worked with state representatives to create new laws and testified before state legislative committees in support of law enforcement interests.

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In his spare time, Dan hosts a radio show/podcast that interviews subject matter experts about current and future issues affecting law enforcement, forensics and crime scene investigations with listeners in 30 different countries.

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Battling Sweden's New Reality: From a Peaceful IKEA Nation to Explosions and Gun Violence

Johan Ekman

Abstract:

In the last 15 years, Sweden, a small nation with 10 million inhabitants in peaceful northern Europe, has experienced a dramatic surge in shootings and explosions. This presentation will provide a brief overview of Sweden, its police structure, and the rise of criminal networks fueling this violence. The focus will be on the types of explosives and firearms involved, and how Swedish forensics is addressing these challenges through method development and training. By enhancing forensic techniques on the scene and expanding the knowledge of forensic investigators, Sweden aims to improve investigative outcomes and better combat this growing threat.

Presenter Bio:

I am a forensic expert at the Swedish Police Authority, where I lead the development of forensic investigative methods and operations for shooting incidents. With 12 years of experience as a crime scene investigator (CSI), following earlier experience as a patrol officer.

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Title: Cold Case Investigations – “Why seemingly irrelevant items that are collected now become important evidence later.”

Detective Steven "Smugs" Smugeresky
Montgomery County Department of Police, Gaithersburg, Maryland
Steven.Smugeresky@montgomerycountymd.gov

Abstract:

Cold case investigations are complicated in nature. First, the investigator reads through the case file, they review and evaluate existing evidence, identify living witnesses, and study victimology. Through the original gathering of evidence and obtaining information from witnesses, a suspect was possibly developed but may have been presented to be prosecuted due to lack of usable evidence. All criminal investigations rely on evidence to prove guilt of a suspect. This can include placing an individual(s) at the crime scene or, likewise, eliminating possible individuals as suspects. Evidence in criminal investigations can come in all shapes and forms. Fingerprints and DNA are two types of evidence that can assist in identifying a suspect. Though fingerprints and DNA are powerful evidence, they can only make an identification if that person's fingerprints or DNA are in the Automated Fingerprint Identification System (AFIS) or the Combined DNA Index System (CODIS). This is usually where an investigation may grow cold. What can be done next? Technology is always advancing in the field of forensic science to potentially develop leads for cases that have hit the “cold” wall. One of these advancements is Forensic Investigative Genetic Genealogy, more commonly known as FIGG. This presentation will inform the audience of the basic steps to evaluating a cold case & existing evidence. The presenter will make recommendations based on their experiences on how to identify cases for potential SNP testing, and the investigative process involved in FIGG.

Learning Objectives:

1. To obtain a basic understanding of the first steps when initiating a cold case investigation.
2. To obtain the basic understanding of past versus current evidence evaluation and testing
3. Receive an introduction to the new game changer of SNP technology & Forensic Investigative Genetic Genealogy (FIGG).
4. To obtain a basic understanding of the investigative process used in a FIGG case.
5. Receive an overview of a FIGG case study(s) from beginning to end.

Presenter:

Education: I Graduated in 1997 from Allentown College of St. Francis De Sales with a bachelor's degree in Human Services. Allentown College has since achieved University status and is now De Sales University.

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Career: I was sworn in as a Montgomery County Police Officer in 2002. I am Currently assigned to the Cold Case and Missing Persons Unit after spending 19 plus years in patrol-based units. I hold other duties as the Co-coordinator of the Montgomery County Police Peer Support Team, a Field Training Officer, and a Maryland Police Training Commission Certified instructor. I hold 10 plus years of family history research/genealogy experience (mostly self-taught). I hold multiple certificates of course completion in the following subject matters: Homicide and death investigation, unresolved homicide investigation, CDS investigations, and gang investigation.

Awards: Montgomery County Chamber of Commerce Honorable Mention of Valor Award (2005); Montgomery County Public Schools Lt. Queen Award for dedicated Community and School service (2010); Montgomery County Police Commendation (2018); & 3 Montgomery County Chamber of Commerce Unit Citations (2005, 2016, 2019). The Lieutenant Colonel G. Warren Howes Ethical Leadership Award (2019) presented by the Montgomery County Police Alumni Association for dedication to Cold Case investigations, Peer Support, and community policing. The J. Thomas Manger Award for Excellence & Leadership (2019) presented by the Montgomery County Police Foundation for leadership and excellence in Cold Case Investigations, and Community Policing. The Potomac River Rapist Task Force Citation (Montgomery County Police Department) and The Medal of Merit from the Chief of Police from Metropolitan Police Department (one of the highest awards given to allied Police Departments from the Metropolitan Police Department) (2020). A Commendation Award for assistance in investigations from the Chapel Hill Police Department in North Carolina (2021). The Chief's Award (Montgomery County Police) (2023).

Other Note Worthy: Conducted a Webinar for SAKI (Sex Assault Kit Initiative program) (2019), Presented at the 20th Annual Mid-Atlantic Cold Case Homicide Investigator's Conference in 2019. Appeared on an episode of the documentary series call "Bloodline Detective" (Episode: Rockville Horror). Presented to a Senior level Criminal Justice Class at George Mason University (2022). Presented at The Delaware State Police Homicide Conference (2022). Presented at The American Academy of Forensic Science 75th Anniversary Conference (2023). Presented at the 34th International Symposium on Human Identification (ISHI) (2023).

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WORKSHOP TOPICS

Less Lethal Weapon Investigations (Range off site)

Rick Wyant, M.S.

Less Lethal weapons are being increasingly utilized in routine law enforcement operations. Investigators should be aware of the wide variety of evidence that can result from deployments of impact munitions, conducted electrical weapons (TASERs) and others. Students will be exposed to common platforms and obtain both classroom and range demonstrations.

R.T. Wyant, WD Forensic

Rick has been a firearms examiner since 1995 and studying and evaluation less lethal weapons since 2003. He has extensive experience investigated anHis work culminated in a text “Risk Management of Less Lethal Options” ISBN: 978-1-4665-6303-2, CRC Press May 2014.

Sound and Cadence of Gunfire (Range off site)

Matthew Noedel, Noedel Scientific

With ever increasing audio and video from security systems throughout (such as Ring cameras etc) their use in reconstruction has become prolific. This workshop will explore how the audio record of gunfire can be evaluated and determine the limits and abilities of such examinations. Live fired will be employed and captured on video then an analysis will be conducted of the collected data.

Time permitting, an evaluation of the ejection patterns generated during the course will be considered.

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WORKSHOP TOPICS

The Use of Forensic Entomology in Criminal Investigations

Doug Young – Triad Forensics

Forensic entomology, the application of insect science to legal investigations, has emerged as a pivotal tool in unraveling the mysteries of time and circumstance surrounding death. This lecture delves into the intricate world of forensic entomology, shedding light on its methodologies, significance, and evolving role in modern criminal investigations.

This presentation will begin with an overview of the life cycles of various insects, particularly those that play a crucial role in forensic scenarios. We will explore the distinct stages of decomposition and how entomological evidence can be harnessed to estimate postmortem intervals with frequent precision.

A significant portion of the lecture will be dedicated to case studies where forensic entomology has played a pivotal role in solving crimes. From determining the location of death to identifying the presence of drugs or toxins through insect analysis, these cases underscore the versatility of entomological evidence in forensic investigations.

The lecture will also touch upon the challenges faced by forensic entomologists, including factors influencing insect behavior, environmental variables, and the need for standardized protocols.

Furthermore, the ethical considerations surrounding the use of insect evidence in legal settings will be examined, emphasizing the responsibility of forensic entomologists to communicate findings clearly and objectively in court.

In conclusion, this lecture aims to provide a comprehensive understanding of forensic entomology's role as a valuable forensic science tool. By delving into its intricacies, real-world applications, and ongoing advancements, participants will gain insights into the evolving landscape of forensic investigations and the critical role insects play in solving crimes.

Doug began his career in law enforcement and training as a crime scene investigator in 1993 with the Gibson County Sheriff's Office in Southwestern Indiana. During his time with the Sheriff's office, Doug received extensive training in the area of crime scene investigation.

In 1998, Doug accepted the position of Sr. Crime Scene Specialist with the Austin, Texas Police Department. As a Sr. Crime Scene Specialist, Doug worked alongside the major crime's units within the Austin Police Department, to include but not limited to Homicide, Robbery, Sex Crimes and the Cold Case Unit. It was during this time that Doug also received extensive training and hands-on experience in the area of Bloodstain Pattern Analysis and Crime Scene Investigation, Analysis and Reconstruction.

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Having the opportunity to advance his career and return to Indiana where he grew up, Doug took the position of Chief of Police with the Oakland City Police Department in 2002. While serving as Chief of Police, Doug also worked as a Deputy Coroner for the Gibson County Coroner's Office, affording him the opportunity to advance his training in Medicolegal Death Investigations.

Enjoying the teaching and training aspect of crime scene investigation, Doug began sharing his knowledge and experiences with colleagues by presenting training classes and workshops on various forensic topics, both domestically and internationally. In 2004, Doug founded Triad Forensics LLC. to provide training, case review and crime scene response services.

In 2007, Doug moved to Thornton, Colorado where he began working as a Sr. Criminalist with the Thornton Police Department.

DRAFT

**ACSR-2025, Boise Idaho
March 17-20, 2025
Conference Tentative Agenda***

WORKSHOP TOPICS

Let's Reconstruct a Double Murder

Tom Bevel

You will receive a redacted report from the defense expert or from the prosecution with the request to evaluate the opinions offered.

Using BGA's investigative question, (IQ) worksheets you will apply the scientific method to develop viable hypothesis, collect data that is germane to the IQ, identify expectations for each hypothesis, test and repeat for each hypothesis and form an opinion. We will end with a class discussion and answer period.

Presenters Bio:

President, Bevel, Gardner & Assoc. Inc.

A Forensic Education Group with Case Analysis Experts.

Best Practices for Footwear Collection and Examination

Jeff Jagmin Washington State Patrol Crime Laboratory

Natasha Wheatley

This classroom workshop will provide the best practices for the collection preservation and processing of footwear impressions in the field and how they are used in a forensic laboratory.