It is with great sorrow that ASCLD is sharing information on the passing of Past President Carrie Whitcomb. She lost her battle with Alzheimer's disease on December 30, 2017. Carrie was the President of ASCLD from 1995 - 1996 and the recipient of the Briggs White Award in 2011. Her passing is a tremendous loss for her family and the forensic community. An online memorial has been created to honor Carrie and can be found at http://www.never-gone.com/memorials/carrielou. Her obituary has been provided by her children and includes information on memorial services.

Carrie Louise Morgan Whitcomb, the first female federal crime lab director in the United States and loving mother and grandmother, lost her battle with dementia on December 30, 2017 at the age of 72 surrounded by her children and grandchildren. “Carrie Lou” was born on June 2, 1945 in Hyden, Kentucky to Gillous Colson Morgan and Leona Pace Morgan. The youngest of four children, Carrie was born under the care of the Frontier Nursing Service, an organization she would later honor with the creation of the Mary Breckenridge stamp. She considered herself a ‘tomboy’, and could be found playing in the mountains of Eastern Kentucky, which she treasured dearly her entire life. Her family ran the coal mines in Hyden (not a job for the mild-mannered) and she kept that tough spirit with her for the rest of her life.

Carrie attended Margaret Hall School in Versailles, Kentucky and then The University of Kentucky in Lexington. At the Alabama Department of Forensic Sciences in Auburn, Carrie and a coworker were the first women appointed as state toxicologists by the Alabama legislature. She went on to earn her Masters in forensic chemistry at George Washington University. She started her career as a forensic chemist at the United States Postal Inspection Service (USPIS) Headquarters Laboratory in Washington, DC. When she became the Director of the USPIS Headquarters Laboratory in 1988, she was the first female federal crime lab director in the United States. She served as the president of The American Society of Crime Lab Directors (ASCLD) and managed the USPIS five laboratory system. She then moved to Oviedo, Florida in 1999 to become the Director of the National Center for Forensic Science where she made key contributions to the field of digital forensics before she retired in 2013.

Carrie was known for her unending generosity, kind heart, and infectious sense of humor. Carrie’s quick wit and southern charm made her fast friends with many who had the privilege to know her. Her parents Gillous and Leona, and sisters Ruth Morgan Asher and JoAnn Morgan Lewis preceded Carrie in death. She is survived by her son, Zachary Morgan Parker, her daughter Sarah Anne Parker, her grandsons Colin Morgan Parker and Cameron Hart Parker, and brother Wade Morgan. Funeral Services will be held at 11:30am on Saturday, January 13th 2018 at Mount Pisgah Methodist Church (1100 Mt Pisgah Drive, Midlothian, VA 23113), followed by a reception at the Club House at Abbey Village Circle (800 Abbey Village Circle, Midlothian, VA 23114) from 1-5pm. Ever the scientist, and always mindful of the funding climate even after her death, she asked that donations be made in her honor to The National Center for Forensic Science (https://ncfs.ucf.edu/) in lieu of flowers.

For additional information on Carrie Whitcomb’s career, please visit http://www.uky.edu/Alumni/web/Alumni/alumni/alumalumninet/alumalumni/pub/pdfs/CarrieMorganWhitcombFall2000.pdf to view an article written by Linda Perry in the University of Kentucky (Carrie's alma mater) Alumnus Magazine.

Ray Wickenheiser
ASCLD President
In Memory of ASCLD Past President Carrie Whitcomb

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ASCLD LEADERSHIP ACADEMY

REGISTRATION IS NOW OPEN for the 5th annual ASCLD Leadership Academy to be held in Spring 2018. Twelve weekly, online webinars will be offered from February to April and will cover a wide range of essential leadership topics for forensic science supervisors and managers. The Academy will then finish with two intensive days of on-site, hands-on instruction at the ASCLD symposium in Atlanta, Georgia.

The 2018 Academy will again focus on providing quality instruction to new supervisors in the forensic science field and supervisors who have previously had limited opportunity for structured forensic management education and training. Between affordable registration costs and high quality instructors, ASCLD is confident that laboratories will see a valuable return on investment in a time when training budgets are lean across the US.

2018 Academy Calendar

LEADERSHIP – Ben Swanholm
February 22 – Leadership
March 1 – Leadership
March 8 – Transition from Peer to Supervisor and Conflict Management
March 15 – Cultural Change and Self-Leadership

COMMUNICATION – Col. Tim Scanlan
March 22 – Communication Styles
March 29 – Personality and Conflict Management
April 5 – Team Building
April 12 – Communication as a Leadership Tool for Laboratory Issues

Laboratory Operations – Jody Wolf & Jeremy Triplett
April 19 – Strategic Management
April 26 – Process & Performance Management
May 3 – Quality Management & HR/Legal Management
May 10 – Customer/Stakeholder Management

CAPSTONE
May 20 – 21, 2017: In-person workshop at the 2017 ASCLD Symposium, Atlanta, Georgia

For additional information or to register for the academy, please go to http://www.ascld.org/meetings-and-training/ascld-leadership-academy/
ARIZONA’S COLD CASE CONFERENCE

This cutting edge two-day seminar will provide practitioners with a comprehensive overview of cold case homicide investigations. Local and national experts’ presentations designed for detectives, prosecutors, and lab analysts who work forensic cases. The seminar includes relevant case studies, methodologies, cutting-edge DNA technology and techniques. Discover successful ways to approach victims and suspects in cold cases. Learn how the Maricopa County Attorney’s Office Cold Case detectives and prosecutors can work with law enforcement to ensure successful prosecution.

Date: February 5 – 6, 2018
Time: 7:30 a.m. – 5:00 p.m. each day
Location: Black Canyon Conference Center
9440 N. 25th Avenue
Phoenix, AZ 85021

To Register: azhia.com/training.html
Seating is Limited
Dear Forensic Science Professionals,


The topic of “bias” and its implications for forensic practice has been hotly debated and researched in forensic and academic circles over the last decade. The 2009 National Academy of Sciences (NAS) report on the state of forensic science in the USA and the 2016 President’s Council of Advisors on Science and Technology (PCAST) report on forensic science recommend that forensic practitioners address issues relating to bias in forensic science and provide evidence to the fact finder that they have done so.

This workshop uses an engaging and innovative mixture of lectures, case examples, and practical activities to educate participants on the theoretical concepts and practical implications of bias within forensic science. Participants will receive instruction on the various types of bias, how to identify its presence, how to mitigate
its influence, methods on how to sequentially unmask data, procedures used to identify task-relevant information, concepts for the appropriate management of case-specific contextual information and how to appropriately document critical decision pathways.

This workshop is primarily aimed at forensic science practitioners both scene or laboratory based, especially those involved in the early identification, collection and interpretation of evidence. It is however designed to benefit anyone who produces, uses or relies upon forensic science for decision making purposes within the justice system, including judges, district attorneys, defense lawyers, and detectives.

The workshop is $395 per person.

For registration, please visit: http://www.cedarcrest.edu/forensic/18/2.htm

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45th Annual ASCLD Symposium

Advancing Forensic Science requires leadership, which includes taking initiative, motivating employees, and applying resources creatively to the complex problems presented by today's forensic casework and issues. Leaders lead by example and encouragement, building on success and learning from their past experiences and that of others.

Please join us in Atlanta, Georgia, May 20-24th for the 2018 ASCLD Symposium where you will learn about exciting initiatives to advance forensic science. New and experienced managers and directors will be presented with innovative tools to sharpen their leadership skills. Presentations from experts and leaders, both inside and outside the forensic science community, will cover various aspects of leadership. Our goal is to invigorate you with techniques and information to increase your leadership capacity in both life and occupation.

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Hotel Information

Atlanta Marriott Marquis

Located in the heart of downtown Atlanta, within walking distance to renowned Atlanta attractions including the Georgia Aquarium, World of Coca-Cola and College Football Hall of Fame, the Atlanta Marriott Marquis is unparalleled in its splendor and convenience. The indoor MARTA access provides fast rail access to the Hartsfield-Jackson Atlanta International Airport, while the downtown location offers first-class opportunities for experiencing Atlanta.

During your stay, enjoy the iconic cocktail lounge Pulse, dine at the unique restaurants including Sear and High Velocity, and pamper yourself in the state-of-the-art full-service spa.

265 Peachtree Center Avenue
Atlanta, GA 30303
(404) 521-0000

Hotel Rate

- The room rate for this event is $135.00 plus taxes and fees
- The contracted rate will be available until 5 PM EST, Friday, April 27, 2018

Reservation Process

Online:
- Click here to book your hotel reservation

Phone:
- Please contact the reservations desk at (404) 521-0000
- Make sure that you reference that you are attending the ASCLD Symposium

The room rate cut-off date is 5 PM, EST, Friday, April 27, 2018.

Last year the room block sold out early, so don't delay in making your hotel reservations!
Make your Reservation - https://aws.passkey.com/event/49236454/owner/321/home
https://www.ascldsymposium.com/education

Before the show, get caught up on the latest news: http://www.evidencemagazine.com/

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Bronze Sponsors

★

JOB OPPORTUNITIES (Hiring now)

Due to an recent upgrade with the newsletter software, visit http://www.ascld.org/jobs2 to link and view details about job announcements listed below.

- Forensic Scientist (Biology), Center for Forensic Sciences, Syracuse, Expires: February 2, 2018
- Forensic Chemist I/II, NMS Labs, Fayetteville, NC, Expires: April 1, 2018
- Forensic Specialist, City of Santa Monica, Santa Monica, CA, Expires: January 26, 2018
- Latent Fingerprint Examiner, MIAMI-DADE POLICE DEPARTMENT (MDPD), Doral, Florida, Expires: January 25, 2018
- Forensic Chemist, Georgia Bureau of Investigation, Decatur, Expires: February 28, 2018
- Forensic Biologist – Crime Lab Scientist, Georgia Bureau of Investigation, Decatur, GA & Moultrie, GA, Expires: February 28, 2018
The Need for Safety Officers and a Health and Safety Committee

The elements of a Chemical Hygiene Plan (CHP) have been the subject over the last few weeks. Previous topics have been 1) the need for SOPs (Standard Operating Procedures), 2) Criteria for Implementing Control Measures, 3) requirement to ensure that fume hoods and other protective equipment are functioning properly and identify the specific measures the employer will take to ensure proper and adequate performance of such equipment, and 4) Required Information to be provided to lab personnel working with hazardous substances. This week’s topics are 5) the circumstances under which a particular laboratory operation, procedure or activity requires prior approval from the employer or the employer’s designee before being implemented, and 6) Designation of personnel responsible for implementing the CHP, including the assignment of a Chemical Hygiene Officer and, if appropriate, establishment of a Chemical Hygiene Committee.

5) The circumstances under which a particular laboratory operation, procedure or activity requires prior approval from the employer or the employer’s designee before being implemented. Prior to any new work being conducted in a lab that uses a hazardous chemical, prior approval must be acknowledged. Prior approval would normally come from the Chemical Hygiene Officer (CHO) or Safety Officer in your lab. Many procedures use chemicals that require special considerations. Additionally, some labs may not have the proper storage or work area for its use. Also, the chemical must be added to the chemical inventory, all personnel who will work with or come in contact to the chemical must read the Safety Data Sheet (SDS). If a chemical is to be added to the chemical inventory, it must be on the list. Having a plan where an employee has read the SDS and understands the hazards by signing a review sheet or some other acknowledgement is a good way to improve compliance. Additionally, ordering and purchasing hazardous chemicals should go through one person or a team so that proper storage locations, policies, and procedures can be appropriate for chemicals ordered.
6) Designation of personnel responsible for implementing the CHP, including the assignment of a Chemical Hygiene Officer (CHO) and, if appropriate, establishment of a Chemical Hygiene Committee. Designating a person, such as a CHO or Safety Officer for day-to-day administration of chemical issues is paramount and crucial for accreditation. A CHO will provide reports at the department Safety Committee meetings on chemical hygiene activities performed. Additionally, a CHO will work with others to develop, review and approve Standard Operating Procedures which detail all aspects of proposed laboratory activities that involve hazardous materials. A Chemical Hygiene Committee, commonly known as a Safety Committee (or Health and Safety) in forensic labs is also a requirement for accreditation. Health and Safety committee members should establish a committee structure and process and develops an action plan for the year that identifies a few priority health and safety issues to work on. The concerns would be addressed at safety committee meetings and the executive management meeting(s).

Jane B. Northup  
Quality Assurance Officer  
RI State Crime Laboratory  
Certified Chemical Hygiene Officer

OSHA 29 CFR 1910.1450  

The National Registry of Certified Chemists  
http://nrcc6.org

OSHA Occupational Safety and Health Training  

OSHA Fact Sheet:  

CHP Template:  

Examples of CHPs:  
University of California, Santa Barbara: http://www.ehs.ucsb.edu/labsafety-chp  
University of Rhode Island: http://web.uri.edu/ehs/files/ChemicalHygienePlan.pdf

Crime Lab Safety Plans:  
Raleigh/Wake City County, Bureau of Identification: https://www.forensicmag.com/article/2004/06/osha-and-forensic-laboratory

In 2018, the Forensic Science Training Institute will be offering a week-long course in Advanced Fabrics Bloodstain Pattern Analysis Training on March 19-23. The class size is limited to twelve, so please register early to ensure your seat.

For registration and full details on the course requirements, visit the Forensic Science Training Institute website here: http://www.cedarcrest.edu/forensic/16/1.htm

Recorded Training:  
Episode 9 Podcast!!  
Just Blood Spatter

In episode nine of Just Science, funded by the National Institute of Justice’s Forensic Technology Center of Excellence [Award 2016-MU-BX-K110], we spoke with Dr. Marc Smith, from the Georgia Institute of Technology. Dr. Smith’s NIJ funded research in blood spatter has connected computational fluid dynamics with empirical studies to improve the understanding of blood spatter onto solid, slanted surfaces. His work looks at many variables, including droplet size, speed, surface roughness and wettability. Listen and Subscribe HERE.

Subscribe to the channel at:
- Google Play
- iTunes
- Stitcher
ASCLD/RTI Backlog Series

Archival versions of the ASCLD/RTI Backlog Series can be found at the following links:

- The Paradox of Backlog Reduction – How Doing Less Can Be Doing More
- Taking the First Steps Toward Backlog Reduction
- Managing Customer Expectations and Education
- How to Increase Your Staff without Increasing Budget
- Efficiency Improvements
- Developing a Statewide Approach to Backlog Management
- Case Acceptance Policies and Guidelines

ASCLD/RTI Rapid DNA Series

Archival versions of the ASCLD/RTI Rapid DNA Series can be found at the following links:

- Rapid DNA: The QAS and NDIS
- Rapid DNA: Arizona DPS and Richland County, SC
- Rapid DNA: Booking Stations and CODIS

ASCLD/RTI DNA Standards and Guidelines Webinar Series

SWGDAM Interpretational Guidelines


Proposed Quality Assurance Standards (QAS) changes


Quick Links to ANAB

ANSI-ASQ National Accreditation Board (ANAB)

ANSI-ASQ National Accreditation Board (ANAB) is a member of the ANSI-ASQ National Accreditation Board family of brands and the new home of ASCLD/LAB. ANAB provides accreditation for ISO/IEC 17025 forensic test laboratories and ISO/IEC 17020 forensic inspection agencies and a wide variety of training, workshops, and academic programs.


ONLINE

Cost: $200

Forensic ISO/IEC 17025 Internal Auditor Training

February 6-9, 2018
San Diego, CA
Cost: $850

May 8-11, 2018
Cary, NC
Cost: $850

Forensic ISO/IEC 17025 Assessor Training (Testing)

January 8-12, 2018
Largo, FL
Cost: $1,195

April 9-13, 2018
Springfield, VA
Cost: $1,195

Practical Applications for Forensic Measurement Confidence

March 13-14, 2018
Alexandria, VA
Cost: $600

Root Cause Analysis for Forensic Service Providers (Web-based)

January 29-February 1, 2018

## Online Workshops

**Forensic Measurement Confidence (Web-based)**
- January 16-18, 2018
- Cost: $395

**Forensic ISO/IEC 17025 Preparation for Testing Laboratories**
- January 8-10, 2018
- Largo, FL
- Cost: $695
- April 9-11, 2018
- Springfield, VA
- Cost: $695

*Web-based courses also available.*

**ISO/IEC 17020 and Audit Preparation for Forensic Agencies**
- April 11-12, 2018
- San Francisco, CA
- Cost: ASQ member $650, non-ASQ member $700
- October 15-16, 2018
- Cincinnati, OH
- Cost: ASQ member $650, non-ASQ member $700

**Roadmap to Transition: Forensic AR 3028**
- Available as an on-site course
  
  Contact training@anab.org or 414-501-5466 for more information

For more information about these workshops, contact training@anab.org or 414-501-5466 for more information. For registration, click the links for each training course above.

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## Forensic Science in the News

**Frances Glessner Lee revolutionized forensic science by building mini crime scenes**

In the weeks leading up to International Women’s Day, we will be sharing excerpts from “Brazen: Rebel Ladies Who Rocked the World,” by Pénélope Bagieu. In these illustrations, we’ll learn about space pioneers and queens, doctors and athletes. This week, we’re bringing you a look at Frances Glessner Lee, a forerunner of forensic science.

**How the next generation of forensic scientists are being trained in Preston**

He said: “The Forensic Science and Criminology course launched in 2000 and students genuinely love it. Being able to teach the practical elements in this way is just one of the things that sets us apart.

**Formerly disgraced DC crime lab eliminates rape kit backlog**

Three years after D.C.’s DNA lab lost its accreditation, the city is touting a total turnaround. The Department of Forensic Science is back up to speed and unlike other cities its size, D.C. has no rape kit backlog, officials say.

**Experts hired to present 3D animation of shots allegedly fired by FBI agent at LaVoy Finicum’s truck**

Federal prosecutors have hired a specialist to do a 3D depiction of two shots allegedly fired by an indicted FBI agent at the truck of Oregon standoff spokesman Robert “LaVoy” Finicum two years ago.

**Top 7 Cyber Forensic Tools**

“Torture the data and it will confess to anything” Ronald Coase.

**ADRI hosts forensic art exhibition to launch spring programs**

The Arts and Design Research Incubator (ADRI) kicks off its spring semester programming lineup with a five-day exhibition of forensic art, Jan. 15-19. ADRI research associate and forensic artist Jenny Kenyon will host the exhibition, "Beyond Bones and 'CSI': The Modern Role of the Forensic Artist," showcasing how the scope, role and education of the forensic artist are adapting to new demands, new technologies and new fields of study.

**DC police chief aims to ‘step up our game’ in identifying violent criminals**

Crime is down as a whole across the District, according to recent statistics. D.C.’s police chief is convinced there are only a small group of criminals causing the majority of the violence, and he is targeting their guns.

**DA wants all rape kits tested, but crime labs warn that results likely won’t be helpful**
In response to a new federal Department of Justice guideline, District Attorney Summer Stephan said she's pushing crime labs to test their entire inventory of rape kits and is going as far as adjusting her own budget to help pay for the analyses.

**Former crime lab in Middletown being turned into unique kind of cafe**

With a big boost from area unions, the New Britain Township-based Peace Valley Holistic Center is turning the former Bucks County crime lab in Middletown into a Starbucks-like cafe that will be open to the public and run by special education students.

**South Carolina's Top Cop Wants New $54 Million Crime Lab**

South Carolina's top law enforcement agency says it needs a new $54 million crime lab, but there are disagreements among lawmakers on how to pay for it.

**Regional crime lab to buy robotic work station**

The Anoka County Board has accepted a 2017 DNA capacity enhancement and background reduction program grant from the U.S. Department of Justice, Office of Justice Programs, totaling $150,000 effective Jan. 1, 2018, through Dec. 31, 2019.

**And Justice For None: Inside Biggest Law Enforcement Scandal in Massachusetts History**

For years, her drug of choice was liquid methamphetamine; she discovered a big bottle of it in the fridge of her lab. When she polished off the meth oil, Farak switched to cocaine, helping herself to big and small chunks of the seizures cops sent in. It was absurdly easy to do so.

**Calif. cop cleared in fatal OIS of homeless veteran who grabbed at duty belt**

A crime lab examiner found blood on Tabares' pants that matched Darland's DNA, according to the D.A.'s office.

**Cannabis oil openly sold by Iowa stores without state permits, despite legal questions**

Iowans who want to buy cannabis oil to treat a range of ailments don't have to wait a year for state officials to set up a tightly regulated distribution system – because versions of the products already are for sale on store shelves.

**Kentucky State Police: ‘Junk’ cars and outdated equipment are putting our troopers in danger**

The commissioner also listed other needs, including updated equipment for the state crime lab and increasing the salaries of dispatchers, lab scientists and commercial vehicle inspectors.

**Judge Dismisses 2001 Murder Charge Over Lack of Evidence**

The charge against Richard Burkhart, 38, was dismissed last week after Cascade County prosecutors said they did not have enough evidence to convict Burkhart of killing William Ledeau with a hammer in November 2001, the Great Falls Tribune reported.

**VA Document: Gunman Who Killed Deputy Had Fled Mental Ward**

The gunman who killed a Colorado sheriff's deputy escaped from the mental health ward of a VA hospital in Wyoming in 2014 but was located and returned, according to a Veterans Affairs document obtained by The Associated Press Tuesday.

**Funding, drug complexity add to backlog in forensic labs**

There is a backlog of nearly 29,700 drug samples — nearly a year's worth submitted by hundreds of law enforcement agencies across the state — waiting for testing at Alabama Department of Forensic Sciences labs.

**Swatting is 'a potentially deadly crime' that's become 'extraordinarily common'**

Swatting is when someone makes a call to a police department with a false story of a crime in progress — often with killing or hostages involved — in an attempt to draw a large number of police officers to a particular address. It's often related to online gaming, such as when SWAT teams arrived as a gamer in Colorado was live-streaming.

**Woman Exonerated After Being Convicted Twice in Killing**

A Nevada woman who was twice convicted of a 2001 murder and sexual mutilation that she maintained happened while she was more than 150 miles away was exonerated Friday by a state judge in Las Vegas.

**'Accidental' X-Mas Eve Shooting Ruled Homicide After Autopsy, Girlfriend Arrested**

An autopsy and some follow-up detective work disproved a woman's account of an accidental self-inflicted gunshot death of her boyfriend on Christmas Eve in suburban Louisiana, authorities said.

**5,000 Rape Kits Result in 1,300 DNA "Hits" in Florida**

These recently processed kits have resulted in nearly 1,400 hits in a federal DNA database.
that forensic scientists have in common, regardless of discipline, and then separate those duties into their relevant tasks.

You may be asking yourselves why we are doing this if we already have existing exams. The ABC is constantly striving to improve our exams and part of that is making sure that they are testing the jobs that people are actually performing. We will select participants based on the following (in no particular order): geographic area, experience, gender, and availability. These distinctions are recommended so that the entire community is properly represented.

You do not need to be a current ABC certificant to participate. The training will be held in conjunction with the AAFS meeting in Seattle. An additional hotel night and per diem costs will be covered by the ABC, however there will be no additional compensation for work absences. So please take a moment to fill out the survey found via this link:


We look forward to working with you.

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New Narcotics Protection Kit as You Face the Dangerous Opioid Epidemic

We designed this single-use kit following DEA & CDC guidelines

Small amounts of Fentanyl can cause an overdose, a significant threat to you & your department. We designed this kit to help you stay safe.

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Bode Cellmark Forensics provides advanced forensic solutions offering crime labs ways to reduce their workloads and budgets.

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- Sexual Assault Kit Backlog Reduction Program streamlines processes to eliminate backlogs of untested sexual assault kits.
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DNA databanking collecting and automate processing. The Bode Buccal 2 is a DIRECT COLLECTION SYSTEM that requires minimal training. There is NO Transfer Step Required.

Independent Validation Services are customized to meet your laboratory’s needs. Validation services provide completely unbiased analysis on your equipment, chemistries, or process.

Formation of the CFSO: 

CFSO is an association of six forensic science professional organizations:

- American Academy of Forensic Sciences;
- American Society of Crime Lab Directors;
- International Association for Identification;
- International Association of Forensic Nurses;
- National Association of Medical Examiners; and
- Society of Forensic Toxicologists - American Board of Forensic Toxicology.

These professional organizations together represent more than 21,000 forensic science professionals across the United States.

Read the CFSO Newsletter here.

Grant Assistance for DNA

Introduction

This course is designed primarily for practitioners who routinely examine blood stained clothing and other textiles and are required to assess, interpret, and report on bloodstain patterns as part of those examinations. The course is delivered through a combination of “face to face” instruction and self-directed learning. A minimum 80 hours of structured learning activities is required, inclusive of a 40 hour “face to face” residential component. The course will review the underpinning principles of BPA, and apply these principles to the
analysis and interpretation of bloodstains on clothing and other textiles. When examining clothing, the practitioner must be mindful of influences such as the fibre type, texture, treatments, all of which may affect the final appearance of bloodstains. The primary focus of the course is to develop those skills required for the examination of bloodstain patterns found on clothing items, including the use of microscopy to discriminate between spatter and transfer bloodstains.

**FORESIGHT 20/20**

Greetings from the Project FORESIGHT team. We invite you to join us and submit data for the past fiscal year. FORESIGHT is a business-guided self-evaluation of forensic science laboratories across the globe. The participating laboratories represent local, regional, state/provincial, and national agencies. Faculty from the WVU College of Business and Economics provide assistance, guidance, and analysis. We link financial information to work tasks and functions. Laboratory managers can use these functions to assess resource allocations, efficiencies, and value of services—the mission is to measure, preserve what works, and change what does not.

**FORESIGHT is open to any forensic laboratory that completes and submits a LabRAT form. There is no charge for participation.** Attached you will find an example of an individualized report prepared for a participating laboratory.

To participate, simply complete the attached LabRAT workbook and submit to Paul Speaker at email paul.speaker@mail.wvu.edu. Please send any questions to the same email address. For additional information, please visit the program web site http://be.wvu.edu/forensic/foresight.htm. We are targeting a submission date of December 15, 2017.

**NIJ Forensic Science R&D Reports for ASCLD Crime Lab Minute Vol 11**

These research reports have been submitted by the National Institute of Justice (NIJ) especially for their relevance to crime laboratory activities. ASCLD has not reviewed nor does it necessarily endorse the findings of this research.

**NIJ-FBI Fingerprint Partnership Identifies 200 Missing Persons**

In March of this year, a new collaboration between the National Institute of Justice and the FBI Laboratory. Fingerprints from unidentified missing persons are sent to the FBI where a new technology, known as Next Generation Identification, along with enhanced processing protocols, is improving
The new year is upon us. Invest in yourself in 2018 by attending one of the upcoming programs hosted by the WVU Center for Executive Education.

**Forensic Management Academy**

**September 9 - 14, 2018**

Allegheny County Medical Examiner’s Office Pittsburgh, PA

**Lean Six Sigma Certification for Forensic Science Professionals**

**March 20 - September 11, 2018**

Via online webinar with one face-to-face class held on September 11, 2018, from 9 a.m. – 5 p.m. in Pittsburgh, PA at the Hyatt Regency Pittsburgh International Airport.

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The Fingerprint Sourcebook is Now Available in Spanish

NIJ has released a Spanish-language version of The Fingerprint Sourcebook, which aims to be the definitive resource on the science of fingerprint identification. The Sourcebook was prepared by the International Association for Identification and topics covered include the anatomy and physiology of friction ridge skin; techniques for recording exemplars from both living and deceased subjects; AFIS; latent print development, preservation and documentation; equipment and laboratory quality assurance; perceptual, cognitive and psychological factors in expert identifications; and legal issues.

**Forensic Identification Using Individual Chemical Signatures**

NIJ-funded researchers developed an approach to translate chemical signatures recovered from personal objects such as phones into a lifestyle sketch of the owner, using mass spectrometry and informatics approaches.

**Quantifying Error Rates for the Measurement of Human Skeletal Remains**

NIJ-funded researchers revised forensic anthropology procedures to include an “error metric” for the measurement of human skeletal remains. This article summarizes findings from that study.

**Designing Methods to Identify Evolving Designer Drugs**

This article describes an NIJ-supported research project focused on issues of resolution and discriminatory capabilities needed to increase the reliability and selectivity of forensic evidence and analytical data for new bath salt-type drugs of abuse.

**Standardized Process Developed for Identifying Dyes in Fibers**

This article summarizes method with the twofold purpose of producing a novel, reliable, and useful microfluidic system for fabric dye extraction and increasing the knowledge needed to guide criminal justice policy and practice related to the forensic analysis of dyed fabric.

**The Most Important Features for an Effective Sexual Assault Response Team**

Sexual Assault Response Teams (SART) hold the promise of improving victim experiences, increasing prosecution rates, and reducing the prevalence of sexual assault. To understand...
For more information on the Forensic Management Academy and Lean Six Sigma programs, please visit business.wvu.edu/execed or email Martina Bison-Huckaby at Martina.Bison-Huckaby@mail.wvu.edu.

National Institute of Justice’s latest Graduate Research Fellowships in Science, Technology, Engineering, and Mathematics. NIJ has made 20 new awards in 2017 for STEM fellows, totaling $960,861 for graduate students working towards advancing NIJ’s mission. The GRF-STEM program funds dissertation research across a wide range of topics to criminal justice, including the forensic sciences.

See a full list of awards and descriptions, awardees, and dollar amounts. Sign up to get email notices when NIJ releases GRF and other funding solicitations.

Sexual Assault Cases: Exploring the Importance of Non-DNA Forensic Evidence Investigating and prosecuting sexual assault crimes is much more complicated than simply performing DNA testing.

Canadian Forensic Science Journal

https://forensiccoe.org/leadership-series/

Leadership series instructors and modules available.

Jody Wolf
Modules: Generations, Cultural Diversity, how an effective SART works, NIJ-funded researchers studied the structure and operations of SARTS across the United States.

Identifying Ignitable Liquids in the Aftermath of A Fire
In a wide-ranging analysis of the effects of weathering and biological degradation on ignitable liquids, NIJ-supported researchers at the University of Central Florida’s National Center for Forensic Science studied and classified 50 liquids in the Ignitable Liquids Reference Collection database.

Scale Modeling in Fire Reconstruction
After reviewing scaling theory used in fire research, this project developed scaling rules for design fires and enclosure material boundaries, followed by the full-scale testing of a gas burner, heptane pool fire, pine wood crib, and polyurethane foam, and the scaling theory was applied to the full-scale scenario and a 1/8 scale compartment.

Evaluation of the Use of a Non-Contact 3D Scanner for Collecting Postmortem Fingerprints
Historically, the recording of postmortem fingerprint impressions from decedents is a manual and labor-intensive process. 3D scanners are potentially an important tool to help forensic scientists address the challenges of postmortem fingerprint recovery due to the contactless scanning capabilities, as well as the ability to scan complex surfaces and capture scale. This NIJ-supported study evaluated the potential for using a contactless, 3D fingerprint scanner to capture examination-quality postmortem fingerprints and facilitate rapid identification of the deceased.

Evidential Value of Particle Combination Profiles on Common Items of Evidence
This project used the analytical tools and statistical methods developed in previous research funded by NIJ to measure the evidential value of very small particle (VSP) profiles found on four common types of physical evidence: handguns, cell phones, drug packaging, and ski masks.

Method Development and Validation of Toolmark Imaging, Virtual Casing Comparison, and In-Lab Verification using a GelSight-Based Three Dimensional Imaging and Analysis
Stemming from a previous project that developed a 3D surface topography imaging and analysis system for casings based on the GelSight scanning technology and custom feature-based image comparison, this NIJ-supported project aimed 1) to develop the ability to scan and compare firing pin impressions; 2) to examine the use of the imaging and analysis technology in a live lab experiment; and 3) to investigate Virtual Microscopy, the use of measured 3D surface topographics as a substitute for physical casings.
Leadership Principles and Concepts

Dr. Terry Anderson
Modules: Personal Leadership, Practical Emotional Intelligence, Moral Compass

Dean Gialamas
Modules: Leadership and Ethics, Leadership and Power

Deputy Chief Timothy P. Scanlan
Modules: Leadership and Change, First-Line And Mid-Level Supervision

Jeremy Triplett
Modules: Leadership Theories and DISC Styles, Founding Fathers on Leadership

As we close out 2017, we’re looking back at some of our accomplishments. Through our 22 year history, we have learned it’s our customers and colleagues truly share in our success.

Here are just a few of our team’s favorite 2017 accomplishments:

- NFSTC’s first ever U.S. Department of State training for more than 50 DNA and crime scene analysts from Central America
- Hosted annual ROTC internship for 12 Cadets
- Enrolled more than 145 people in our online courses
- Trained 148 military students at our facility
- Published the Crime Scene Investigation Guide in Spanish
- Released a second season of the award-winning series Fauxrensics

And that’s just a small portion of our work.

As we look forward to 2018 and our future with Florida International University, we know we’ll continue to offer the highest quality training and support to our customers.