


Agenda

MONDAY, MAY 6, 2019		
4:00pm – 6:00pm	REGISTRATION	Salon D Foyer
TUESDAY, MAY 7, 2019		
7:00am – 5:00pm	REGISTRATION	Salon D Foyer
7:00am – 8:00am	BREAKFAST	Foyer F-H
8:00am – 12:00pm	WORKSHOPS	
	W1: Forensic Genealogy: A Powerful Solution	Warf A/B
	W4: Ethics in Forensic Science	Salon C
	W6: Navigating Your Way Through the Challenging NPS Landscape [Cayman Chemical Company]	Salon B
	W11: Examining Writing on Unusual Surfaces	WVU Crime Scene House (Meet at Registration at 7:40am)
9:30am – 11:00am	CONTINUOUS COFFEE BREAK	Foyer F-H
12:00pm – 1:00pm	LUNCH (Ticket Required*)	Foyer F-H
1:00pm – 5:00pm	WORKSHOPS CONTINUED	
	W1: Forensic Genealogy: A Powerful Solution	Warf A/B
	W7: Fighting Fentalogues, Seeing Syn Canns, and a Little Bit of Uncertainty	Salon B/C
	W12: Examination of Torn/Cut Edges	WVU Oglebay Hall
2:30pm – 4:00pm	CONTINUOUS COFFEE BREAK 	Foyer F-H
5:00pm – 7:00pm	BOARD MEETING	Waterfront Room




*A reminder for lunch on Workshop Days (Tuesday and Wednesday).

Lunch is only included for attendees who will be participating in a full day of workshops. If you are registered for two half day workshops on the same day or one full day workshop, you should have received a meal ticket in your badge. If you feel you should have meal tickets but do not, please stop by the registration desk.

Boxed lunches will be delivered to attendees at the off-site workshops.

Agenda

WEDNESDAY, MAY 8, 2019

7:00am – 5:00pm	REGISTRATION	Salon D Foyer
7:00am – 8:00am	BREAKFAST	Foyer F-H
7:30am – 12:00pm	VENDOR AREA SET-UP	Salon E/F/G/H
8:00am – 12:00pm	WORKSHOPS	
	W2: Advanced Topics in DNA: Mitochondrial DNA from Sanger Sequencing to High Throughput Sequencing and Analysis [Softgenetics, LLC]	Salon C
	W5: Stress, Trauma and the Forensic Workforce: Taking Steps to Recognize and Address the Issues	Warf A/B
	W8: Analysis of Cannabinoid Potency and Pesticide Residues in Cannabis Flower Regulated by California State using HPLC and LC-MS/MS: Practical Considerations [Perkin Elmer]	Salon B
	W13: How Chemical Examinations of Inks and Paper Can Corroborate and Supplement Forensic Document Examinations	Waterfront
9:30am – 11:00am	CONTINUOUS COFFEE BREAK 	Foyer F-H
12:00pm – 1:00pm	LUNCH (Ticket Required*)	Salon E/F/G/H
1:00pm – 7:00pm	EXHIBIT HALL OPEN	Salon E/F/G/H
1:00pm – 5:00pm	WORKSHOPS CONTINUED	
	W3: Advanced Topics in DNA Analysis: Continuous Probabilistic Genotyping [Softgenetics, LLC]	Salon C
	W10: Novel Psychoactive Substances (NPS), Structural Isomers, and Analogs	Warf A/B
	W13: How Chemical Examinations of Inks and Paper Can Corroborate and Supplement Forensic Document Examinations	Waterfront
1:00pm – 5:00pm	ABC Exam	Garden Room
2:30pm – 4:00pm	CONTINUOUS COFFEE BREAK 	Salon E/F/G/H
5:15pm – 6:30pm	MAAFS BUSINESS MEETING	Salon D
6:30pm – 8:30pm	WELCOMING COCKTAIL RECEPTION AND VENDOR APPRECIATION 	Salon E/F/G/H
8:30pm – 12:00am	HOSPITALITY SUITE	Green Room

Agenda

THURSDAY, MAY 9, 2019

7:00am – 5:00pm	REGISTRATION	Salon D Foyer
7:00am – 8:00am	BREAKFAST with Vendors	Salon E/F/G/H
7:00am – 3:30pm	EXHIBIT HALL OPEN	Salon E/F/G/H
8:30am – 10:20am	VENDOR SPOTLIGHT <i>Door prizes will be given out after each presentation.</i>	Salon D
9:15am – 10:45am	CONTINUOUS COFFEE BREAK 	Salon E/F/G/H
10:45am – 12:15pm	KEYNOTE SPEAKER	Salon D
12:15pm – 1:15pm	LUNCH	Salon E/F/G/H
1:15pm – 2:15pm	SCHOLARSHIP WINNER PRESENTATIONS	Salon D
2:00pm – 3:30pm	CONTINUOUS COFFEE BREAK 	Salon E/F/G/H
2:30pm – 5:15pm	PAPER PRESENTATIONS	
	Biology Section	Salon A/B/C
	Criminalistics Section	Salon D
	Questioned Documents Section	Warf A/B
3:30pm – 5:00pm	VENDOR AREA TEAR DOWN	Salon E/F/G/H
6:00pm – 10:00pm	DINNER PARTY 	Mountain State Brewing Co. (54 Clay Street - short walk from the hotel)

FRIDAY, MAY 10, 2019

7:30am – 12:00pm	REGISTRATION	Salon D Foyer
7:30am – 8:30am	BREAKFAST	Foyer F-H
8:30pm – 12:00pm	PAPER PRESENTATIONS	
	Biology Section	Salon A/B/C
	Criminalistics Section	Salon D
	Questioned Documents Section	Warf A/B
9:30am – 11:00am	CONTINUOUS COFFEE BREAK	Foyer F-H

Presentations

Scholarship Winners — Salon D

Thursday, May 9th

- 1:15 PM** **Developmental Validation of a Novel Method for Body Fluid Identification Using Microbial Signatures.**
Najai Bradley - Virginia Commonwealth University
- 1:45 PM** **Developmental Validation of a MicroRNA Panel for Forensic Body Fluid Identification**
Annabelle Campbell - Virginia Commonwealth University
- 2:00 PM** **Evaluation of DNA Detection Strategies for Yersinia pestis in Soil Matrices**
Brittany Fung - Virginia Commonwealth University

Biology Section — Salon A/B/C

Thursday, May 9th

- 2:30 PM** **Testifying About Probabilistic Genotyping Results**
William Allan - Cybergenetics
- 3:00 PM** **High-Quality Whole mtGenome Reference Data Representing Three U.S. Populations**
Cassandra Taylor - AFMES/AFDIL/SNA International
- 3:15 PM** **Revisiting the Identity of JB-55, a 19th-Century “Vampire” Buried in Griswold, Connecticut**
Jennifer Higginbotham - AFMES/AFDIL/SNA International
- 3:45 PM** **Update of the FBI Laboratory Rapid DNA Program**
George Li - FBI Laboratory
- 4:15 PM** **Persistence and Recovery of DNA on Submerged Duct Tape**
Luisa V. Forger - FBI
- 4:30 PM** **Examination of DNA Extraction Lysis and Wash Step Modification for Low Template DNA Sample Processing**
Sydney Menchhoff - Virginia Commonwealth University
- 4:45 PM** **Generation of Interpretable, Single Source, DNA Profiles from Forensically Relevant Mixtures Through the Separation of Cells with Optical Tweezers and a Modified DNA Workflow**
Michael Valle - Virginia Commonwealth University
- 5:00 PM** **Evaluation of Sperm-Specific Antibodies for Bead-Mediated Cellular Separation of Sexual Assault Samples**
Jordan O. Cox - Virginia Commonwealth University

Friday, May 10th

- 8:30 AM** **Developing Investigative Leads from a Probabilistic Genotyping Database**
David Bauer - Cybergenetics
- 9:00 AM** **Forensic Body Fluid Identification Using Microbiome Signature Attribution Through 16S rDNA High-Throughput Sequencing**
Raquel Green - Virginia Commonwealth University
- 9:30 AM** **Using Probabilistic Genotyping to Distinguish Family Members**
Beatriz Pujols - Cybergenetics
- 10:00 AM** **BREAK**
- 10:15 AM** **DNA Group Discussion - Because It's In Our Genes...and On Our Brains**
Ruth Damaso Neely, Moderator - Virginia Department of Forensic Science
- 10:45 AM** **Exonerating the Innocent with Probabilistic Genotyping**
Jennifer Hornyak - Cybergenetics

Presentations

Criminalistics Section — Salon D

Thursday, May 9th

- 2:30 PM** **Trace Evidence: Then, Now and Moving Forward**
Tatiana Trejos - West Virginia University
- 3:00 PM** **Modern Fast Screening of Inorganic and Organic Gunshot Residue (GSR) by Laser-Induced Breakdown Spectroscopy (LIBS) and Electrochemistry (EC)**
Korina Menking-Hoggatt - West Virginia University
- 3:15 PM** **Ignitable Liquid Classification of Small Engine Fuels and a Survey of Accelerant Detection Canine Responses**
Lisa Schwenk - Bureau of Alcohol, Tobacco, Firearms & Explosives
- 3:30 PM** **Attribution Signatures for Sourcing of Medwakh and Scorpion Dokha**
Thomas Orianna - Towson University
- 3:45 PM** **BREAK**
- 4:00 PM** **Breakout Session for Criminalistics Sub-Disciplines**
Moderator: Cathy Savage - Maryland State Police Forensic Sciences Division

Friday, May 10th

- 8:30 AM** **A Novel Approach for Increased Objectivity in Detecting Gunshot Residues Around Bullet Orifices**
Courtney Vander Pyl - West Virginia University
- 8:45 AM** **Determining the Method Threshold of Identification via Gas Chromatography-Mass Spectrometry of Weathered Gasoline Extracted from Burnt Polyester Carpet**
Stacy Davis - Towson University
- 9:00 AM** **Putting the Pieces Together: Developing and Applying a Systematic Method for the Comparison of Duct Tape Edges**
Meghan Prusinowski - West Virginia University
- 9:15 AM** **Quantitation of CBD and THC in Commercially Available CBD-oil Supplements by Gas Chromatography-Mass Spectrometry**
William Moats - Waynesburg University
- 9:30 AM** **Potential Screening Techniques for Indazole-Based Synthetic Cannabinoids**
Michael Cipoletti - Waynesburg University
- 10:00 AM** **BREAK**
- 10:15 AM** **Metabolite Elucidation of the Synthetic Cannabinoids: PX-1, PX-2, PX-3 in Human Liver Microsomes.**
Travon Cooman - West Virginia University
- 10:30 AM** **LC-MS/MS Quantitation of Fentanyl and Metabolites from *Lucilia Sericata* Larvae and Liver Tissue Using a Validated Modified QuEChERS Extraction**
Joseph Cox - West Virginia University
- 10:45 AM** **Synthetic Drug Surveillance in Public Health**
Brandon Jones - Washington, DC Department of Forensic Sciences
- 11:00 AM** **SWGDRUG Update**
Juli Cruciotti - Virginia Department of Forensic Sciences
- 11:15 AM** **Forensic Electrochemistry and Mass Spectrometry: The Perfect Match to Tackle Fentanyl and Other Novel Psychoactive Substances**
Colby Ott - West Virginia University



Presentations

Questioned Documents Section — Warf A/B

Thursday, May 9th

- 2:30 PM** **How the Examination of Documents has Changed**
Ronald Morris - RNM & AI
- 2:45 PM** **Bank Robbery Note File**
Katelyn Bruno - Department of Justice
- 3:15 PM** **Spectroscopic Analytical Tools for the Discrimination of Black Ink on Pharmaceutical Packaging: Tackling Counterfeits**
Emily Haase - West Virginia University
- 3:30 PM** **Increasing TSA Counterfeit Detection Capability: A Human Performance Approach**
Don Morrison - DHS/Transportation Security Administration
- 4:00 PM** **Who Threatened The Sheriff? How Non-Contemporaneous Handwriting Standards Helped to Close the Case**
Antoine Frazier - FBI
- 4:15 PM** **Fraud Detection and Remediation (FDR)**
Patrice Aasmo - American Association of Motor Vehicle Administrators
- 4:45 PM** **Rocketbook: The Endlessly Reusable Smart Notebook**
Erica Murray - FBI

Friday, May 10th

- 8:30 AM** **Needles in a Haystack: an Intro to the Scope of Document Examinations Undertaken by the DHS/CE/HSI Forensic Lab**
Elaine Wooton - DHS-ICE-HSI Forensic Laboratory
- 9:00 AM** **Do Individuals Disguise Their Handwriting in a Same/Similar Manner Each Time?**
Brandi Ragsdale - FBI
- 9:30 AM** **Face Recognition: Matching Mugshots with Face Photos from ID Documents**
Thirimachos Bourlai - West Virginia University
- 10:00 AM** **Ethics in Forensic Science**
Robin Bowen, West Virginia University
- 10:30 AM** **Counterfeit Currency Trends**
Julia Barker - United States Secret Service
- 11:00 AM** **Forensic Document Examination - Rethinking Conclusion Language (an update on the OSAC conclusion standard)**
Elaine Wooton- DHS-ICE-HSI Forensic Laboratory*
- 11:30AM** **A Primer on Digital Forensics**
Paul Ondercin - Federal Bureau of Investigation - Pittsburgh Division