

# NEDIAI 28th Annual Educational Conference



**MARLBOROUGH**  
MASSACHUSETTS

**December  
4th-7th  
2022**





# President's Letter



On behalf of the NEDIAI, I would like to welcome everyone to our 28th Annual Educational Conference in Marlborough, Massachusetts! There is a lot to do and experience in the area. The Courtyard by Marriott Boston Marlborough hotel is located within walking distance of the popular APEX entertainment complex.

Thank you to all of our **board members** for their invaluable assistance with this year's conference, notably educational program coordinators **Shawn Dolan** and **Michael McCutcheon** for their tireless efforts in putting together a terrific educational program. I would like to especially thank and recognize our outgoing NEDIAI Executive Board Members **Kim Freeland** and **Emily Rice** for their years of dedicated service to the NEDIAI. Kim has served the NEDIAI as our past president (2018) and four years as our secretary. Emily has served the NEDIAI as our treasurer for past 16 years! Please take a moment and thank them for their service when you see them at the conference.

Thank you to longtime member **Ioan Truta** for the establishment of the new NEDIAI Wild Apricot website.

Thank you to all of our **speakers** who have taken time out of their busy schedules to present their knowledge and experiences to our membership.

Thank you all of our wonderful **sponsors** for their continued generosity and support. Please take time during the conference and visit with each of our sponsors in order to learn and experience the latest in innovative products and services that are available.

Finally, thank you to our **members** and **attendees** for attending this year's conference. I know you will be provided with valuable educational, networking, and professional development opportunities. It has been truly an honor and a privilege to serve as your 2022 NEDIAI President.

Respectfully,

**Robert Gallagher**  
**NEDIAI President**

The Courtyard Marriott  
Marlborough, Massachusetts



# Past Conferences



<u>Year:</u>	<u>Location:</u>	<u>President:</u>
2021	Burlington, VT	Joanna Alberts
2020	CANCELLED -COVID 19	Joanna Alberts
2019	Portland, ME	Micah Perkins
2018	Newport, RI	Kim Freeland
2017	Portsmouth, NH	Tara Elsemiller
2016	Dedham, MA	Rachel Camper
2015	Burlington, VT	Jason Covey
2014	Portland, ME	Scott Bryant
<i>2013</i>	<i>IAI International Conference Providence, RI</i>	<i>John Grassel</i>
2012	Nashua, NH	Phil Nichols
2011	Hyannis, MA	Deborah Rebeiro
2010	Manchester, VT	Jason Covey
2009	Freeport, ME	Alicia Wilcox
2008	Portsmouth, NH	Timothy Burt
2007	Newport, RI	Amy Duhaime
<i>2006</i>	<i>IAI International Conference Boston, MA</i>	<i>Brian O'Hara</i>
2005	Burlington, VT	Jason Covey
2004	Portland, ME	Kevin MacDonald
2003	Manchester, NH	Daniel Pelletier
2002	Newport, RI	Robin Smith
2001	Plymouth, MA	Paul Souza
2000	Burlington, VT	Von Labare
1999	Newport, RI	Mark Zabinski
1998	Seekonk, MA	Bob Silva
<i>1997</i>	<i>IAI International Conference Danvers, MA</i>	<i>Kevin MacDonald</i>
1996	Providence, RI	Pasquale Sperlongano
1995	Seekonk, MA	Kenneth Martin
1994	Fairlee, VT	Jon Creighton



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- Editor:** Amanda Armstrong – Boston Police Department (MA)
- Webmaster:** Joanna Alberts – Burlington Police Department (VT)
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- 
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- Rhode Island:** JoDon Edward—RI State Crime Laboratory (RI)

**2022 Conference Coordinators**

- Educational Program:** Bob Gallagher—Wellesley Police Department (MA)  
Shawn Dolan—FEDS, LLC (MA)  
Mike McCutcheon—Forensic Education (NH)
- 
- Vendors:** JoDon Edwards—Rhode Island State Crime Lab (RI)  
James Medeiros—Rhode Island State Crime Lab (RI)



# International Association for Identification

## ***About the IAI:***

The IAI is an association of forensic scientists, technicians, investigators and administrators who work in crime laboratories, law enforcement agencies, and identification bureaus all over the globe.

Today's IAI has grown into the most prestigious professional association of its kind in the world, with more than 5,000 members from the United States and many other countries. The advancement of forensic disciplines through education continues to be one of the top priorities of the Association.

## ***Mission of the NEDIAI:***

To associate persons who are actively engaged in the business of identification, investigation and scientific crime detection in an organized body so that the profession in all its branches may be standardized and practiced effectively and scientifically.

To encourage research work in scientific crime detection and developments.

To encourage the enlargement and improvement of the science of fingerprints and other branches of scientific identification in crime detection.

To keep its members apprised of the latest techniques, discoveries and developments in crime detection and the science of identification in all its phases.

To employ all the collective wisdom of the profession to advance the scientific technique of personal identification and crime detection.

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**Sunday, December 4th**

**4-8pm**

*NEDIAI Registration Set-up*

**4-8pm**

*Vendor Set-up: Commonwealth Salon A&B*

**6-9PM**

*Workshop # 1 (FREE)*

*Photographing a Nighttime OIS MV Scene  
- Tony Nguyen*

*Limited to 15 Students*



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7:30-9am *Registration Desk*

8:00-9am *BREAKFAST –*



9-9:30am	<p><b>Opening Ceremony</b></p> <p><i>Wellesley Police Department (MA) Honor Guard</i></p> <p><b>National Anthem:</b> <i>DLT Kathryn Downey – MSP</i></p> <p><b>Welcome Remarks:</b> <i>NEDIAI President Bob Gallagher</i> <i>IAI President John Grassel</i></p> <p><b>Keynote Address:</b> <i>District Attorney Anthony Gulluni - Hampden County District Attorney's Office</i></p> <p><b>Group Photo</b> -Immediately Following the Opening Ceremony</p>
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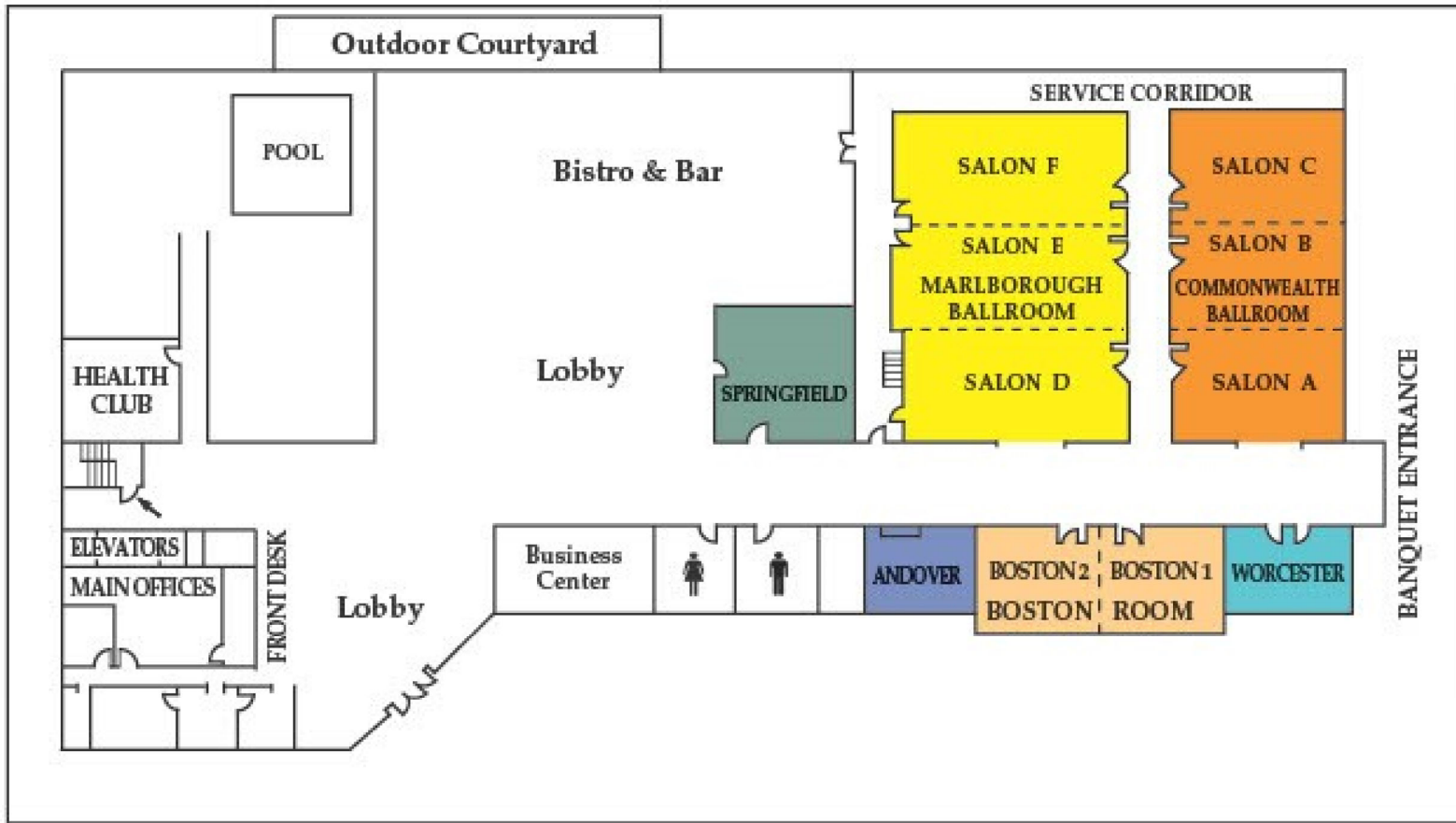
**9:30-5pm Exhibit Hall Open - Commonwealth Salon A&B**

Room/ Time	Marlborough BallRoom	Boston Room	Commonwealth Salon C Room	Springfield Room	
10:00	<p style="text-align: center;"><b>10:00-12:00</b></p> <p><b>Det. Lt. Colleen Tanguay &amp; Det. Lt. David Cahill - MSP</b></p> <p>Forensic Review of the Boston Marathon Bombing - Cambridge &amp; Watertown Crime Scenes</p>	<p><b>10:00-11:00</b></p> <p>Diana Kardashian &amp; Erik Savicke - Boston PD LPU</p> <p>Boston PD firearm program: Maximizing your latent print identification rate</p>	<p style="text-align: center;"><b>Workshop #2</b></p> <p><b>10:00-3:00</b></p> <p>Chris Dolan - Bloody Crime Scenes From Blood Detection &amp; Documentation to Collection &amp; Analysis</p>	<p style="text-align: center;"><b>Workshop #3</b></p> <p><b>10:00-5:00</b></p> <p>Tony Nguyen - Basic Crime Scene Photography</p>	
10:30		<p><b>Ioan Truta - Boston PD LPU</b></p> <p>Processing Bloody Latent Print with Limited Detail Case Study</p>			
11:00		<p><b>Reika Hiroi and Brian Engelson- Boston PD LPU</b></p> <p>Study on performance of Polycyano and Lumicyano</p>			
11:30					
<b>12:00-1:00</b>	<i>LUNCH (on your own)</i>				
1:00	<p style="text-align: center;"><b>1:00-2:00</b></p> <p>Melissa Perisot - FBI Boston</p> <p>Solving the Golden State Killer &amp; Lady of the Dunes, MA cold case</p>	<p style="text-align: center;"><b>1:00-2:00</b></p> <p>Det. Lt. Ann Marie Robertson - MSP Unresolved Case Unit</p>	<p style="text-align: center;"><b>Workshop #2</b></p> <p><b>10:00-3:00</b></p> <p>Chris Dolan - Bloody Crime Scenes From Blood Detection &amp; Documentation to Collection &amp; Analysis. Cont.</p>	<p style="text-align: center;"><b>Workshop #3</b></p> <p>Cont.</p> <p>Tony Nguyen - Basic Crime Scene Photography Cont.</p>	
1:30					
2:00					<p style="text-align: center;"><b>2:00-3:00</b></p> <p>Meghan Peterson - Idemia TBD</p>
2:30	<p style="text-align: center;"><b>2:00-3:00</b></p> <p>Lori Bruski - NamUS</p> <p>Overview of Unidentified Human Remains Database</p>				
<b>3:00</b>	<i>Break in Vendor Area – Sponsored by</i>				
3:30	<p style="text-align: center;"><b>3:30-5:00</b></p> <p>ADA Beth Farris &amp; Det. Mark Pfau &amp; Tpr. Noah Pack</p> <p>A Cold Case in MA - Solved Lisa Ziegert Case</p>	<p style="text-align: center;"><b>3:30-4:30</b></p> <p>Chief James Given - Drones - Crime Scene Documentation</p>	<p style="text-align: center;"><b>3:30- 4:30</b></p> <p>Emily Beach &amp; Moss Glater</p> <p>M-Vac capabilities for the Crime Scene</p>	<p style="text-align: center;"><b>Workshop #3</b></p> <p>Cont.</p> <p>Tony Nguyen - Basic Crime Scene Photography Cont.</p>	
4:00					
4:30		<p style="text-align: center;"><b>4:30-5:00</b></p> <p>Tim Palmbach - Forensic Science Oversight Board: It's purpose and authority over our Crime Scene Units</p>	<p style="text-align: center;"><b>4:30- 5:00</b></p> <p>Derek Hardy - Arrowhead Forensics</p> <p>Detect More Evidence: Extend your Search Beyond the Visible</p>		



**6-9pm Presidential Reception: Marlborough Ballroom -Sponsored by**





THANK YOU for GENEROUSLY SPONSORING



Our Presidential Reception



Our Annual Luncheon



Our Opening Ceremony Breakfast



Our Coffee Breaks

# Opening Ceremonies



## Wellesley Police Department Honor Guard

**National Anthem:** Det. Lt. MSP Kathryn Downey

**Opening Remarks:** NEDIAI President Bob Gallagher  
IAI President John Grassel



**Bob Gallagher** is a Detective Lieutenant with the Wellesley Police Department's Bureau of Criminal Investigation where he serves as the Investigations Commander. He began his law enforcement career over 24 years ago. Bob holds a B.S. in Law Enforcement and a M.S. in Criminal Justice Administration from Western New England College; and a M.S. in Forensic Science from the University of New Haven. During Bob's career, he has completed numerous specialized training courses in the areas of criminal investigation, crime scene investigation, latent print processing, latent print examination, AFIS operations, crime scene photography, forensic photography, surveillance photography, and digital imaging. Bob is a graduate the 37th Session of the University of Rhode Island/Rhode Island State Crime Laboratory BCI School in Kingston, Rhode Island. He is also a distinguished graduate of the 43rd Session of the University of Tennessee's National Forensic Academy (NFA) in Oak Ridge, Tennessee. Bob is currently a teaching associate at the NFA where he teaches crime scene operations, digital crime scene photography, and latent print processing and documentation. Bob is an active member of the New England Narcotic Enforcement Officers' Association, the Rhode Island Criminalistics Association, the International Association for Identification (IAI), the New England Division of the International Association for Identification (NEDIAI), and the NFA Alumni Association. He currently serves as the President for the NEDIAI and Secretary of the IAI Forensic Photography & Imaging Certification Board. Bob is currently recognized by the IAI as a certified forensic photographer, certified latent print examiner and certified senior crime scene analyst.

**John Grassel** is a Forensic Science Program Manager at RTI. In this role, he leads cutting-edge, technology-driven efforts to support basic and applied research serving the criminal justice and forensic science communities. Mr. Grassel serves as the Co-Principal Investigator for the National Institute of Justice's Forensic Technology Center of Excellence (FTCoE), which supports the forensic science and criminal justice communities with transitioning research into practice. He is also the Principal Investigator for the National Institute of Standards and Technology's Implementation of the Organization of Scientific Area Committees (OSAC) Standards for Scene Investigation project. Mr. Grassel is certified by the International Association of Identification as both a Certified Footwear Examiner and Certified Senior Crime Scene Analyst. He is also a Certified Forensic Mapping Specialist and Public Safety Laser Scan Technician. Mr. Grassel is the current President of the International Association for Identification (IAI), a Past President of the New England Division of the IAI. He serves as the IAI chair on the ISO-US TAG. In addition, he is the Chairperson of the International Association of Chiefs of Police's Forensic Science Committee and serves on the FBI Rapid DNA Task Force Working Group and the OSAC Footwear and Tire Subcommittee. Before joining RTI, Mr. Grassel served as the officer in charge of the Rhode Island State Police Forensic Services Unit. In this role, he supervised all crime scene functions, pattern evidence examinations, bloodstain pattern analysis, shooting reconstruction, and video analysis. Additionally, Mr. Grassel served for 28 years on active duty and in the reserves of the U.S. Marine Corps, where he retired at the rank of Lieutenant Colonel.



# Opening Ceremonies



**Keynote Speaker:** District Attorney Anthony D. Gulluni



**District Attorney Anthony D. Gulluni** was sworn into office as Hampden District Attorney in January 2015 and is currently in the middle of serving his second four-year term. He is a life-long Springfield resident who attended local schools, including Western New England University, from which he earned a bachelor's degree in 2003 and juris doctorate in 2007.

Anthony had the benefit of witnessing his father's long career in human service and followed that example into his early career work with the Salvation Army, the City of Springfield, and as an assistant district attorney.

As District Attorney, he has promoted his vision of safer communities by innovative and significant investment in community building and outreach, crime prevention and education, and by focusing efforts on the smart prosecution of violent offenders. The Hampden District Attorney's Office has engaged with many community-based organizations, including Roca, the Healing Racism Institute of Pioneer Valley, and the YWCA to broaden its reach and provide equitable services to all communities in need. His office has also initiated many of its own programs to engage youth, prevent crime, help people overcome addiction, and promote social and racial equity in criminal justice.

In fact, last year, the Hampden District Attorney's Office created a young adult court named EACH, the Emerging Adult Court of Hope. This groundbreaking model engages young adults from ages 18-24 who are ensnared in a cycle of negativity and incarceration. EACH, in partnership with various community organizations and state agencies, was designed by District Attorney Gulluni to disrupt this cycle to which he saw so many young people fall prey. Instead of incarceration, the court provides intensive support and programming focused on the participants' physical and mental health, behavior patterns, housing, and ultimately the development of a pathway for careers through education and job training. The court is the first of its kind in Massachusetts and is already receiving national attention for its innovation and potential effectiveness with this crucial population.

District Attorney Gulluni was appointed by Governor Charlie Baker to serve on the board that oversees the Massachusetts Office of Victim Assistance and administers millions of dollars of funds to victim and survivor organizations. Governor Baker also appointed him to his state-wide Taskforce on Hate Crimes.

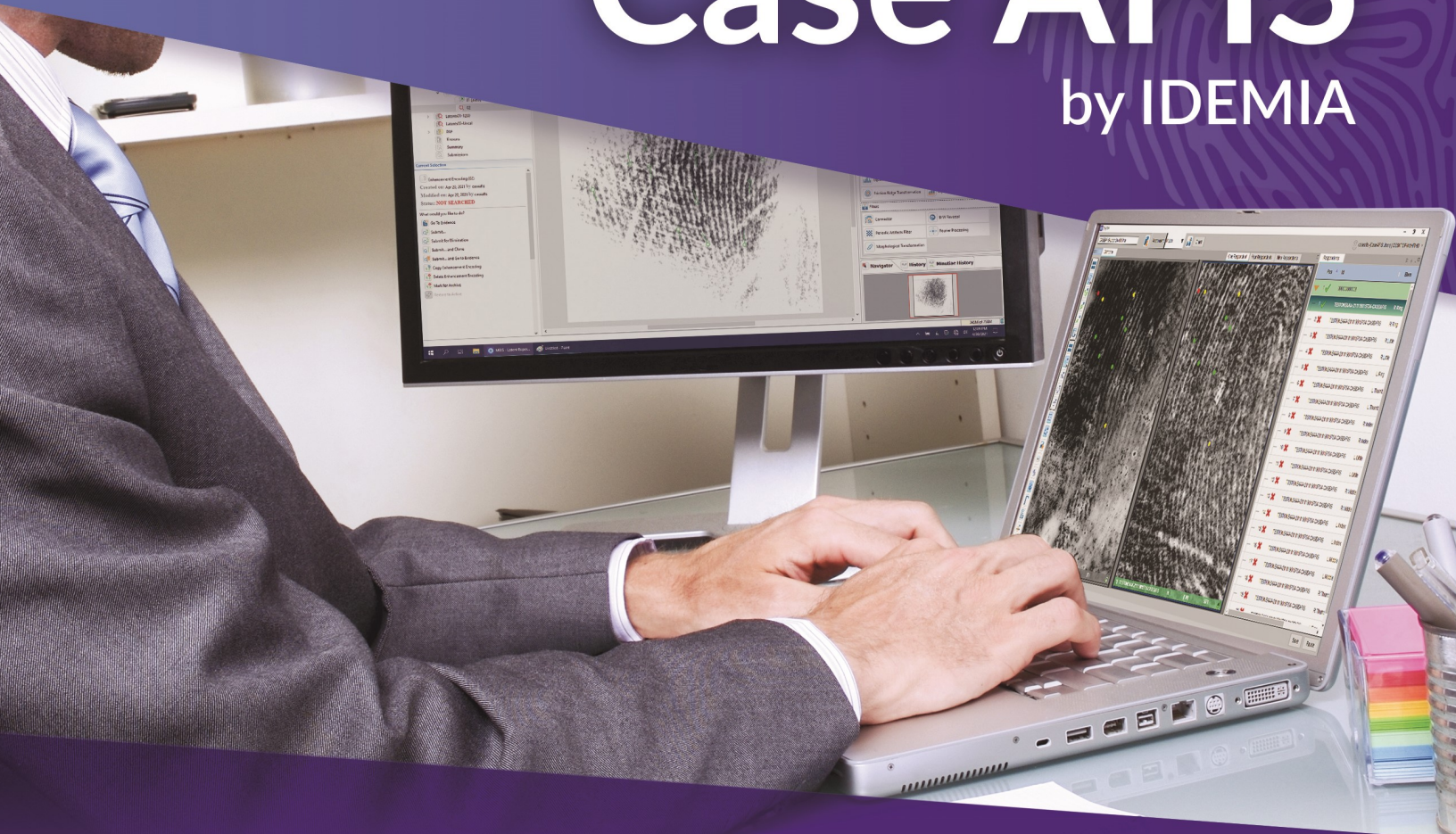
He is a past president of the Massachusetts District Attorney's Association, and recipient of the President's Medallion from Western New England University.

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Opening Ceremony Breakfast



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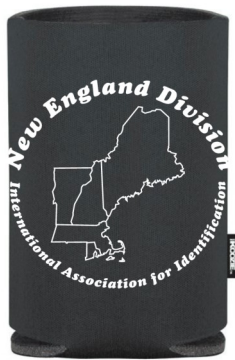
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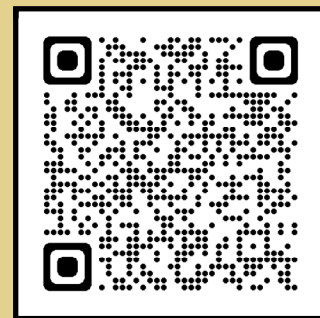
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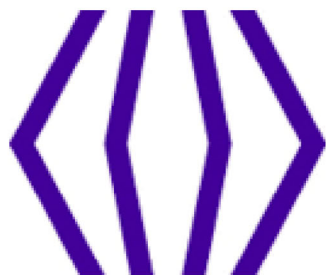
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# TUESDAY, DECEMBER 6TH

7:30-9am Registration Desk

8:00am -5pm Exhibit Hall - Commonwealth Salon A & B

Room/Time	Marlborough Ball Room	Boston Room	Commonwealth Salon C Room	Springfield Room
9:00	<b>9:00-10:00</b> Tpr. Tara Elsemiller – NHSP Major Crime Unit  Manchester PD OIS & Errol Missing Person Case Studies	<b>9:00-10:00</b> Kristen Morgan & Deborah Kosiorek - BPD LPU “Who Sat Where?”	<b>Workshop #4</b> 9:00-12:00 Mack Brazelle - TIG Latent Analysis	<b>Workshop #5</b> 9:00 - 12:00 Alicia Wilcox Footwear Comparisons for beginners to experienced examiners
9:30				
<b>10:00</b> Break in Vendor Area - Sponsored by 				
10:30	<b>10:15-12:00</b> Lt. Peter Bengston MSP CSSS Marshfield Homicide	<b>10:30-11:30</b> Det. Constable Duncan Way - Ontario Provisional PD Forensic Artistry - Composite drawing of criminal subjects, theory, practice and application. Overview of IAI Forensic Art Certification <span style="color: red; font-weight: bold; font-size: 1.5em;">CANCELLED</span>	<b>Workshop #4</b> Cont. 9:00-12:00 Mack Brazelle - TIG Latent Analysis Cont.	<b>Workshop #5</b> Cont. 9:00 - 12:00 Alicia Wilcox Footwear Comparisons for beginners to experienced examiners
11:30				
<b>12:00-1:30</b> - NEDIAI ANNUAL LUNCHEON - Marlborough Ballroom Keynote Speaker: Investigative Reporter Bob Ward, Boston 25 News Sponsored by- 				
1:30	<b>1:30-3:00</b> Chris Dolan Reginald Sanford Homicide	<b>1:30-2:30</b> Luke Hall Faro Technologies Focus Premium and Freestyle 2 Scanners	<b>Workshop #6</b> 1:30-5:00 Tony Nguyen - Impression Evidence Photography	<b>Workshop #7</b> 1:30-5:00 Kevin Burke - Friction Ridge Comparisons
<b>3:00</b> Break in Vendor Area - Sponsored by 				
3:30	<b>3:30-5:00</b> Sgt. Det. Richard Lewis - BPD Homicide Unit SA Thomas Zukauskas - FBI Boston Jassy Correia Homicide Investigation	<b>3:30-4:30</b> Trauma Services Crime Scene Hazards	<b>Workshop #6</b> Cont. 1:30-5:00 Tony Nguyen - Impression Evidence Photography	<b>Workshop #7</b> Cont. 1:30-5:00  Kevin Burke - Friction Ridge Comparisons Comparisons
4:30		<b>4:30-5:00</b> Amanda Soucey- Worcester PD LPU How to Create an Internship Program for Your Agency		
<b>5:30</b> NEDIAI Business Meeting Location: Boston Room				





**Boston 25 News Reporter Bob Ward** is widely regarded as one of the best crime reporters in New England. Bob's reporting at WFXT has spanned more than two decades. From local investigations to federal probes, he has covered hundreds of high-profile cases and is known for getting officials, alleged criminals, even witnesses to go "on record" in his reporting. Bob's exceptional storytelling combined with his extensive law enforcement contacts led to the creation of his Boston 25 series, "New England's Unsolved." The feature profiles unsolved criminal cases in the region and serves as a powerful voice for victims and their families. Working with families and authorities, Bob's reporting has helped bring attention to cases that have fallen from the headlines. His reporting has been instrumental in uncovering new leads resulting in the arrest of dangerous fugitives. In 2017 Bob launched a podcast for "New England's Unsolved," and received an Edward R. Murrow Award for his work. Bob also works closely with "Mass Most Wanted," a consortium of 39 law enforcement agencies that share information to track down criminals. The partnership has resulted

in the arrests of some of New England's most wanted criminals. Over his career, Bob has received numerous awards and commendations, including the Mass State Police Superintendent's Commendation Award, the FBI Director's Community Leadership Award and recognition from the Molly Bish Center and Foundation for his reporting on missing children. Bob serves on the Board of Directors for the Garden of Peace, a memorial to victims of homicide. Bob's broadcasting career includes positions at WJAR-TV in Providence, R.I. and WMUR-TV in Manchester, N.H. He has received several Boston/New England Emmy Awards and a Massachusetts Associated Press Award. A native New Englander, Bob is a graduate of Emerson College

Thank you for Sponsoring our Annual Luncheon



# WEDNESDAY, DECEMBER 7TH

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7:30-9am Registration Desk

8:00-9:00am BREAKFAST

Room / Time	Marlborough Ball Room	Boston Room	Commonwealth Salon C Room	Springfield Room
9:00	<b>9:00- 12:00</b> Lt. Jeremiah Donovan - MSP Bristol County SPDU Gangs in the NFL - Aaron Hernandez Murder Investigation	<b>9:00-10:00</b> Det. Ian Spencer - Lincoln PD Forensic Art Case Studies in Missing Person/Homicide & Unidentified Human Remains	<b>Workshop #8</b> 9:00-12:00 Tony Nguyen - Low Light Photography	<b>Workshop #9</b> 9:00-4:00 Ofcs. Pena & O'Dwyer Boston PD CSRU Intro to Crime Scene Processing
9:30				

10:00 Break Sponsored by

10:30	<b>9:00- 12:00</b> Lt. Jeremiah Donovan - MSP Bristol County SPDU Gangs in the NFL - Aaron Hernandez Murder Investigation Cont.	<b>10:30-11:30</b> Brian O'Hara How much foot track do you need to solve an investigation?	<b>Workshop #8</b> Cont. 9:00-12:00 Tony Nguyen - Low Light Photography	<b>Workshop #9</b> Cont. 9:00-4:00 Ofcs. Pena & O'Dwyer Boston PD CSRU Intro to Crime Scene Processing Cont.
11:00		<b>11:30-12:00</b> Josh Yonovitz- Yonovitz & Joe, LLC The Current Scientific and Legal Standing of Aural Acoustic Speaker Identification and Spectrographic Voiceprint Analysis		
11:30				

12:00 - 1:00 Lunch (On your own)

1:00	<b>1:00-4:00</b> Sgt. Det. Sean Doherty - BPD Homicide Unit Det. Robert Zingg - BPD Homicide Unit Brianna Bigby Homicide Investigation	<b>1:00-2:00</b> Dr. Renee Stonebridge - MA OCME "The Woman in the Bin" Case Study	<b>Workshop #10</b> 1:00-4:00 Det. Const. Duncan Way Ontario Prov. PD "The Police Composite Drawing - Understanding the Basics of Drawing the Human Face from Description"  <b>CANCELLED</b>	<b>Workshop #9</b> Cont. 9:00-4:00 Ofc. Pena & O'Dwyer Boston PD CSRU Intro to Crime Scene Processing Cont.
2:00		<b>2:00-3:00</b> Brian O'Hara Art Authentication Using Forensics?		
3:00		<b>3:00-4:00</b> Ioan Truta Cell Phone Apps handy in CSI		
4:00				

-----END OF CONFERENCE-----

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# Workshops

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SUNDAY

December 4, 2022

## WORKSHOP #1

### PHOTOGRAPHING A NIGHTTIME OIS MV SCENE

**Instructor: Tony Nguyen**

This is a more advanced workshop; however, all experience levels are welcomed. Proper composition and lighting are critical for documenting these types of crime scenes. This workshop will instruct on the use of painting with light/flash, and other techniques to properly document a nighttime officer involved shooting (OIS) MV scene.

Required equipment:

- DSLR or Mirrorless Camera w/ manual control
- General purpose zoom lenses
- Flash (Speedlight) full sized – preferred TTL / E-TTL mode
- Tripod with tripod head or arm that allow you to shoot at 90 degrees
- Remote shutter release (cable or wireless trigger)
- Off camera flash cord or wireless trigger (may need 2 to double the length of the cord)
- Memory cards
- Extra batteries for camera and flash
- Post-it notes
- Flashlight
- Headlamp or other small lighting devices

# Workshops

MONDAY

December 5, 2022

## WORKSHOP #2

BLOODY CRIME SCENES—  
FROM BLOOD DETECTION &  
DOCUMENTATION TO  
COLLECTION & ANALYSIS

**Instructor: Chris Dolan**

Proper detection, documentation, collection, and analysis of bloody evidence at crime scenes with emphasis on crime scene management and safety. Utilization of chemical processes (specifically LCV and Hungarian Red) for bloody fingerprint and foottrack evidence will be discussed and demonstrated along with class participation.

Students should bring:

- Camera
- Tripod
- Flash
- Flashlight

## WORKSHOP #3 BASIC CRIME SCENE PHOTOGRAPHY

**Instructor: Tony Nguyen**

This is a basic workshop; however, all experience levels are welcome. Proper crime scene photography is a critical component for documenting crime scenes. This workshop will instruct on basic crime scene photography and other techniques that are utilized to document a crime scene properly. Be prepared for a mock scene that will be the classroom for this workshop.

Required equipment:

- DSLR or Mirrorless Camera w/ manual control
- General purpose zoom lenses
- Macro lenses
- Flash (Speedlight) full sized – preferred TTL / E-TTL mode
- Tripod
- Remote shutter release (cable or wireless trigger)
- Off camera flash cord or wireless trigger (may need 2 to double the length of the cord)
- Memory cards
- Extra batteries for camera and flash
- “L” shaped ABFO ruler
- Post-it notes
- Flashlight

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# Workshops

TUESDAY

December 6, 2022

## WORKSHOP #4

LATENT PRINT ANALYSIS

Instructor: Mack Brazelle

This workshop will cover selective latent analysis topics. The analysis techniques covered will go beyond the typical search smart class. You will enjoy learning this systematic yet intuitive approach to latent analysis. Regardless of experience level this workshop will improve examiner ability and confidence.

## WORKSHOP #5

FOOTWEAR COMPARISONS  
FOR BEGINNERS TO  
EXPERIENCED EXAMINERS

Instructor: Alicia Wilcox

This workshop will cover selective latent analysis topics. The analysis techniques covered will go beyond the typical search smart class. You will enjoy learning this systematic yet intuitive approach to latent analysis. Regardless of experience level this workshop will improve examiner ability and confidence.



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# Workshops

TUESDAY

December 6, 2022

## WORKSHOP #6

FOOTWEAR / TIRE TRACK  
IMPRESSION EVIDENCE  
PHOTOGRAPHY

**Instructor: Tony Nguyen**

If casting ever fails, photography may be used to make an identification. This workshop will provide the proper photography techniques to document these types of impressions.

Required equipment:

- DSLR or Mirrorless Camera w/ manual control
- General purpose zoom lenses
- Flash (Speedlight) full sized – preferred TTL / E-TTL mode
- Tripod with tripod head or arm that allow you to shoot at 90 degrees
- Remote shutter release (cable or wireless trigger)
- Off camera flash cord or wireless trigger (may need 2 to double the length of the cord)
- Memory cards
- Extra batteries for camera and flash
- “L” shaped bureau ruler
- Retractable metal ruler/tape at least 5 ft (can be shared)
- Post-it notes
- Flashlight
- Large black umbrella or shading device

## WORKSHOP #7

FRICION RIDGE COMPARISONS

**Instructor: Kevin Burke**

The Advanced Friction Ridge Comparison Technique Workshop will be beneficial to the advanced and basic friction ridge examiner. Kevin will lecture the examiners along with Power Point relative to Tenprint comparison techniques. Students will be given multiple “clues” to speed their comparisons and students will be given several practical “tests” to hone their skills. This will be valuable to those preparing for the IAI TENPRINT Certification Test. New latent examiners will also find this workshop useful. An examination magnifier will be helpful.

# Workshops

WEDNESDAY

December 7, 2022

## WORKSHOP #8

### LOW LIGHT PHOTOGRAPHY

**Instructor: Tony Nguyen**

This is a more advanced workshop; however, all experience levels are welcomed. Lighting is critical for documenting crime scenes, however, most crime scenes happen in dark areas or occur during the night. This workshop will instruct on the use of painting with light/flash, and other techniques to properly document a lowlight scene.

Required equipment:

- DSLR or Mirrorless Camera w/ manual control
- General purpose zoom lenses
- Flash (Speedlight) full sized – preferred TTL / E-TTL mode
- Tripod with tripod head or arm that allow you to shoot at 90 degrees
- Remote shutter release (cable or wireless trigger)
- Off camera flash cord or wireless trigger (may need 2 to double the length of the cord)
- Memory cards
- Extra batteries for camera and flash

## WORKSHOP #9

### INTRO TO CRIME SCENE PROCESSING

**Instructors: Officers Eddy Pena and Michael O'Dwyer- BPD**

Basic Crime Scene Processing for Investigators is designed for the new and seasoned investigator to understand learn the fundamentals in processing a crime scene. Topics to be taught in the lecture and hands-on format include: Documenting the scene through photographs, notes, sketches and measurements. Identifying what is evidence, the different types of evidence that can be found at different crime scenes and how to properly process and preserve it for your laboratory and ultimately court proceedings.

Materials needed: Pen, pencil, clipboard, measuring tape or laser measuring tool

# Workshops

## WORKSHOP #10 POLICE COMPOSITE DRAWING

Instructor: Det. Constable Duncan Way -  
Ontario Province Police

UNDERSTANDING the BASICS of DRAWING the HUMAN FACE from DESCRIPTION. This lecture will outline the objectives and span of forensic art services for criminal investigations and the related role of the forensic artist. It will illustrate the value of each of the services within the discipline, including the Composite Drawing, the Post Mortem Soft Tissue approximation, 2D and 3D Facial Reconstruction on the Skull and Age Progression. It will highlight Composite Drawing and the importance of the Composite Drawing interview and the basics of human recognition. It will outline the traditional, digital and emerging Forensic Art methods. It will address the role and requirements for IAI Forensic Art certification and offer guidance to aspiring and practicing Forensic Artists.

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# Abstracts

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MONDAY

December 5, 2022

## **Forensic Review of the Boston Marathon Bombing**

10:00 a.m.—12:00 p.m. Det. Lt. Colleen Tanguay, BPD  
Det. Lt. David Cahill, BPD

The FIS investigation for the MIT Officer Sean Collier Fatal Shooting and the Boston Marathon Bombing Suspects shooting in Watertown MA.

## **Boston PD Firearm Program: Maximizing your latent print identification rate**

10:00 a.m.—11:00 a.m. Diana Kardashian, Criminalist III—BPD, LPU  
Erik Savicke, Criminalist III BPD, LPU

For 15 years, the Boston Police Department Latent Print Unit has kept statistics on their latent print recovery and identification rates from firearms. Cumulatively, 7.6% of firearms yield at least one fingerprint identification. This lecture will summarize how the LPU implemented its pre-submission superglue fuming program and its lab processing techniques that help improve recovery rates. In addition, various statistical breakdowns such as recovery rates from specific areas of the firearm will be discussed.

## **Case Study—Processing Blood Latent Prints w/ Limited Detail**

11:00 a.m.—11:30 a.m. Ioan Truta, Criminalist IV—BPD, LPU

A limited bloody print was left on the hood of a navy blue colored vehicle. Photographs of the visible prints were taken before and after Hungarian Red. The last step was collecting the bloody print with a white gel lift and photographing it right away. Every step brings a little bit of more ridge detail to finally render an Identification conclusion.

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## Study: Performance of Polycyano and Lumicyano

11:30 a.m.—12:00 p.m.

Reika Hiroi, BPD  
Brian Engelson, BPD

One-step cyanoacrylate with fluorescent dye stain fuming methods are used in labs as an alternative to traditional two-step cyanoacrylate fuming followed by the application of a fluorescent dye stain, as they reduce time spent processing and can limit the number of chemicals kept on hand. This is most advantageous when working on expedited cases involving multiple forensic disciplines examining the same items of evidence. Polycyano UV is a one-step fuming method that requires elevated heating temperatures, a longer fuming time, and the use of a UV light source to visualize the fluorescence, when compared to traditional cyanoacrylate fuming followed by dye staining. The Boston Police Department Latent Print Unit incorporated Polycyano UV as a processing option in August, 2014. Lumicyano is another one-step fuming method that can be conducted at the same temperature and humidity as traditional fuming and is subsequently visualized within a range of wavelengths, starting in the UV and extending into the visible spectrum of light. In this study, we conducted a performance verification comparing Polycyano UV and Lumicyano on various non-porous and porous items, including firearms, that may be encountered in case work to determine if Lumicyano may be used as an alternative to Polycyano UV.

## Solving the Golden State Killer Case & Lady of the Dunes

1:00 p.m.—2:00 p.m.

Melissa Perisot, Intelligence Analyst—Boston FBI

An FBI Intelligence Analyst discusses the use of investigative genetic genealogy to solve cold cases. She will speak about her experience in investigating the Golden State Killer and the ultimate identification of Joseph James DeAngelo. She will also discuss the cost, grant opportunities and the parameters that constitute its use in an investigation.

# Abstracts

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MONDAY

December 5, 2022

## **MSP Unresolved Case Unit**

1:00 p.m.—2:00 p.m. Ann Marie Robertson, Det. LT—MSP

MA State Police created a deck of playing cards featuring victims of unresolved cases and are distributed to inmates to encourage them to come forward with information

## **Idemia Product Demonstration**

2:00 p.m.—3:00 p.m. Megan Peterson

## **Overview of the Unidentified Human Remains Database**

2:00 p.m.—3:00 p.m. Lori Bruski

NamUS – is a national database which catalogs the names and descriptions of missing persons, and unidentified remains throughout the country.

## **Case Study: Lisa Ziegert Cold Case is Solved**

3:30 p.m.—5:00 p.m. Beth Farris, Hampden County District Attorneys Office  
Noah Pack, Trooper MSP  
Mark Pfau, Det. Agawam Police Department

Gary Schara Case and how the application of Genetic Genealogy was used to solve this cold case in Agawam, MA. Legal considerations for pursuing cases with genealogy as a forensic tool.

# Abstracts

MONDAY

December 5, 2022

## **Crime Scene Documentation w/ Drones**

3:30 p.m.—4:30 p.m. James Given

As the chief of Investigations for the Rhode Island Office of the State Fire Marshal and an FAA licensed remote pilot for small, unmanned aircraft systems (UAS), he will demonstrate the use of drones at the crime scene. Their potential and the limitations. use of drones to document a crime scene. My presentation will focus on fire and explosion scenes as that is the focus of my unit. I will have our drones on display and have a power point presentation with case studies in which we used drones as part of our scene documentation.

## **Equipment Procurement, Validation & Research in Conjunction w/ Local Universities**

3:30 p.m.—4:30 p.m. Emily Beach  
Moss Glater

Equipment Procurement, Validation & Research in Conjunction with Local Universities Keeping up with current technology and the demands of modern day forensics can be a costly burden for many agencies. With the added stress of ensuring all equipment is validated per accreditation standards, the opportunities to conduct research within your agency are slim. This presentation will discuss the recent procurement of the M-Vac® wet vacuum system via a grant, the collaboration with Boston University Graduate Biomedical Forensic Sciences program to validate the equipment, and conduct graduate level research with the equipment, as well as provide a brief summary of the research performed.

## **Forensic Science Oversight Board**

3:30 p.m.—4:30 p.m. Tim Palmbach  
Dr. Ann Marie Mires

The Forensic Science Oversight Board (FSOB) provides oversight and auditing for Massachusetts' forensic service providers, including state and local crime laboratories.

## **Detect More Evidence: Extend your Search Beyond the Visible**

3:30 p.m.—4:30 p.m. Derek Hardy—Arrowhead Forensics

Derek Hardy will demonstrate the use of Arrowhead Forensics new technology.

# Abstracts

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Tuesday

December 6, 2022

## **Manchester PD OIS & Errol Missing Person Case Studies**

9:00 a.m.—10:00 a.m. Tpr. First Class Tara LaNise Elsemiller—New Hampshire State Police Major Crime Unit

Case Review for a Cold Case missing person in Errol, NH and Hotel Officer Involved Shooting in Manchester, NH. Crime Scene Management from documenting, preserving and collected.

## **Case Study: “Who Sat Where?”**

9:00 a.m.—10:00 a.m. Kristen Morgan, BPD Latent Print Unit  
Deborah Kosiorek, BPD Latent Print Unit

Processing motor vehicles for latent prints is a common request for crime scene personnel. Often, investigators are interested in placing subjects in the vehicle as the driver or passenger in a specific seat, in order to corroborate witness statements or reconstruct a sequence of events. Crime scene personnel may be accustomed to using specific techniques to process certain areas of vehicles; however, there are many surfaces in motor vehicles that may be overlooked that can potentially hold valuable evidence. In this presentation, you will see examples of latent prints found in uncommon locations in motor vehicles that can help answer the question “Who sat where?”, as well as see demonstrations of some unconventional methods for latent print processing. A live demonstration with an opportunity to practice some of these methods will conclude the hour.

## **Case Study: Marshfield Homicide**

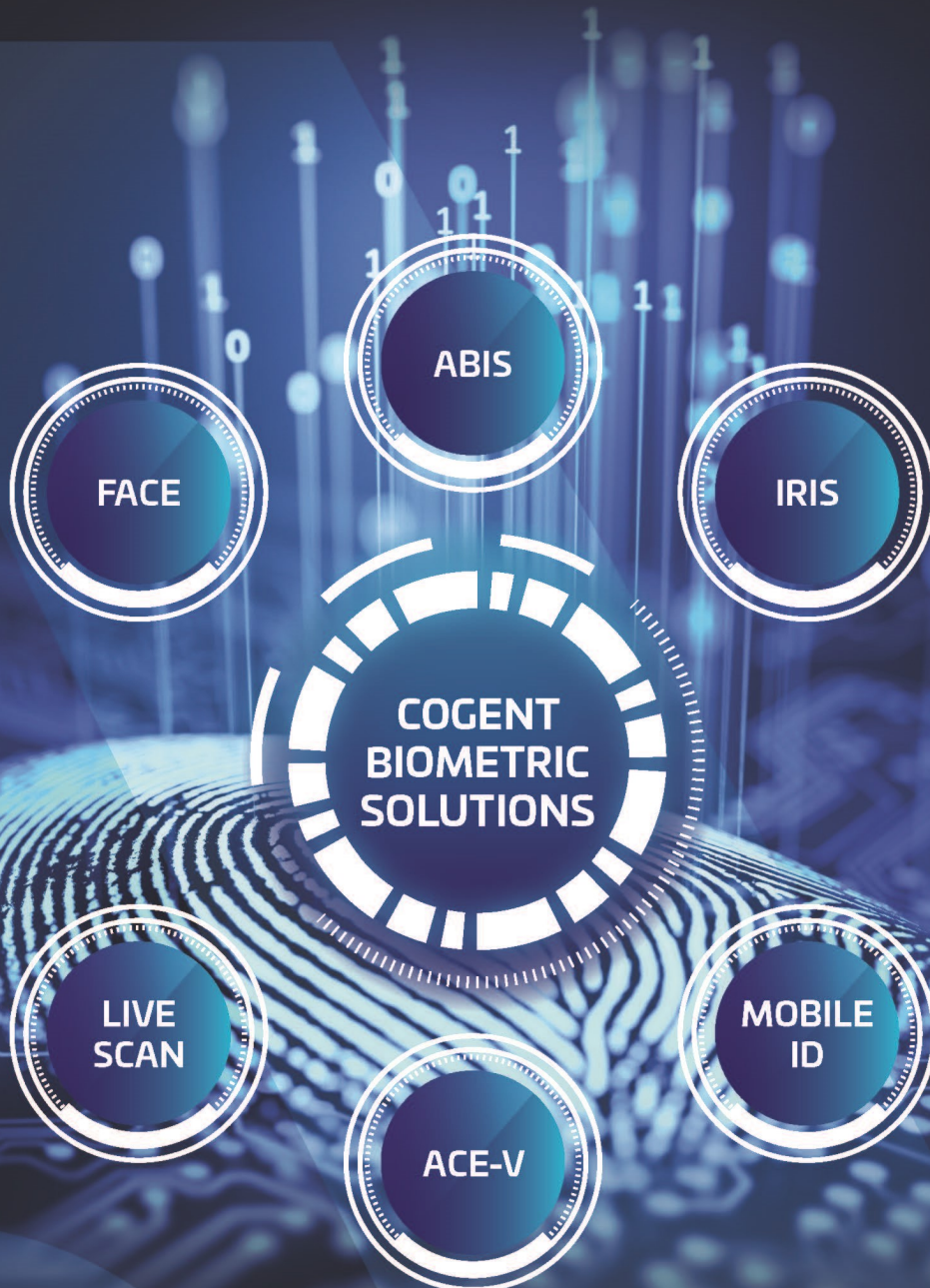
10:00 a.m.—12:00 p.m. Lt. Peter Bengston, MSP  
Jessica Elumba, ADA Plymouth County District Attorneys’ Office  
Betsy Rabel, Forensic Scientist—MSP

On September 15, 2017, members of the Plymouth County State Police Detective Unit and Crime Scene Services responded to Marshfield to assist in a homicide investigation. Victim Robert McKenna was murdered with no witnesses or traditional leads for detectives to pursue. The extensive scene required three days of processing to capture the potential evidence and forensics provided the initial leads in the investigation. This presentation will cover the scene processing, results of forensic examinations in latent prints, footwear, blood spatter, DNA and cell phone tower analysis.



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# Abstracts

Tuesday

December 6, 2022

## **Forensic Artistry: Composite Drawing of Criminal Subjects**

10:30 a.m.—11:30 p.m. Det. Constable Duncan Way—Ontario Provisional Police Department

This lecture will outline the objectives and span of forensic art services for criminal investigations and the related role of the forensic artist. It will illustrate the value of each of the services within the discipline, including the Composite Drawing, the Post Mortem Soft Tissue approximation, 2D and 3D Facial Reconstruction on the Skull and Age Progression. It will highlight Composite Drawing and the importance of the Composite Drawing interview and the basics of human recognition. It will outline the traditional, digital and emerging Forensic Art methods. It will address the role and requirements for IAI Forensic Art certification and offer guidance to aspiring and practicing Forensic Artists.

## **Case Study: Reginald Sanford Homicide Case**

1:30 p.m.—3:00 p.m. Chris Dolan  
Al Gamach, MSP  
Matt Thomas, ADA Northwestern District Attorneys Office

On a snow covered morning in January of 2020 a neighbor discovered the lifeless body of Reginald Sanford on the livingroom floor of his home in the quiet town of Granby, Massachusetts. Mr. Sanford was decapitated and his head was located in the bathroom toilet. Come join ADA Matthew Thomas, Mass State Police Sergeant Al Gamache, Tracy Breton of the Mass State Police Crime Scene Response Unit, and former Mass State Trooper Christopher Dolan of New England Trauma Services on a legal, investigatory, and scientific journey as they navigate us through the following hours that ultimately led to the killer's identity and incarceration.

## **Focus Premium & Freestyle 2 Scanners**

1:30 p.m.—2:30 p.m. Luke Hall—Faro Technologies

A demonstration of the new technological advances of the Focus Premium and Freestyle 2 Scanners at your crime scene.

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# Abstracts

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Tuesday

December 6, 2022

## **Jassy Correia Homicide Investigation**

3:30 p.m.—5:00 p.m. Sgt. Det. Richard Lewis—BPD Homicide Unit  
SA Thomas Zukauskas—FBI Boston

Through “boots on the ground” detective work, investigators were able to establish the identity of the unknown male as Louis Coleman, of Providence, Rhode Island. It was now approximately 11:00 PM on the evening of the February 27th, 2019 .During the early morning of February 28th , Boston Police investigators traveled to the residence of Louis Coleman in an attempt to locate Jassy. Based upon video surveillance, interviews and Coleman’s actions, it was believed that he had departed his residence with the body of Jassy, hours prior to the arrival of the detectives. Learn about the investigation that led to the apprehension of Jassy’s killer and the prosecution of the case that convicted him.

## **Crime Scene Hazards**

3:30 p.m.—4:30 p.m. Kerry Delano—Trauma Services

Learn about the real hazards at the crime scene. From exposure to gases and fumes, to drugs, to invisible hazards. Protect yourself and your families.

## **How to Create an Internship Program for your Agency**

3:30 p.m.—4:30 p.m. Amanda Soucey—Worcester PD LPU

How many times has your agency been contacted by college students interested in an internship opportunity? Many times the forensic practitioner feels stuck and doesn't know what to do with the student and the experience can feel like a burden. What if I told you there was a way to have a positive internship experience for both the student and forensic practitioner alike? The answer is a formal internship curriculum. In this 30 minute lecture I will discuss how to handle internship requests, review application and interview ideas, and provide curriculum material for you to create your own internship program for your agency.

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# Abstracts

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Wednesday

December 7, 2022

## **Gangs in the NFL—Aaron Hernandez Investigation**

9:00 a.m.—12:00 p.m. Sgt. Jeremiah Donovan

The presentation will consist of a complete debrief of the investigation into the murder of Odin Lloyd and other crimes by the Massachusetts State Police and North Attleboro Police Department. The presentation will also cover the subsequent trials and convictions of Star Football Player Aaron Hernandez and confederates Ernest Wallace and Carlos Ortiz.

## **Forensic Art Case Studies in Missing Person/Homicide & Unidentified Human Remains**

9:00 a.m.—10:00 a.m. Det. Ian Spencer—Lincoln PD

Missing Person/Homicide, Florida, MA 1982 (Case Study #1) On April 17, 1982, Lynn Burdick, Florida, MA, went missing from a convenient store where she was working as a cashier. Approx. 45 mins prior, and 13 miles to the west in Williamstown, MA, an assault and attempted abduction occurred. At the time, an Identikit was completed based on the assault victim's description. The Berkshire County District Attorney's Office had inquired about an age progression of the Identikit image. It was determined re-interviewing the victim and creating a new sketch would be the preferred path. Once complete, the new sketch was age progressed 40 years with several image variations. On August 30th, 2022, the updated images were released to the public. Unidentified Remains, Bow, NH (Case Study #2) On April 28, 2022, an unclothed female was discovered floating in the Merrimack River in Bow, New Hampshire. Lacking any distinguishing marks, identification, or any other means of identification, the body remained at the New Hampshire Medical Examiner's Office as a Jane Doe. Using autopsy images, I was able to create a post-mortem sketch of what the deceased may have appeared prior to death. A lead from a past co-worker confirmed the deceased female's identity.

# Abstracts

Wednesday

December 7, 2022

## How Much Foot track do you Need to Solve a Case

10:30 a.m.—11:30 a.m. Brian O'Hara

There is never enough evidence, when it comes to the prosecution of a criminal case in the courts of each state. Foot tracks are still the most overlooked physical evidence found at a crime scenes. I will discuss and show actual cases where the foot track evidence was critical in solving the case. A small element or fragment of a foot track found at a crime scene can be huge piece of evidence. This evidence can be critical in linking a suspect/victim/witness to a crime scene and helping investigators and district attorneys getting a guilty conviction. When fingerprints are shown to juries in court trials, they are sometimes difficult for juries to see and comprehend. When a foot track with specific manufacturing designs is shown to juries at trial, they are more easily viewed and understood. I will discuss if you can determine a time when a foot track is left at a scene.



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# Abstracts

Wednesday

December 7, 2022

## **The Current Scientific Legal Standing of Aural Acoustic Speaker Identification and Spectrographic Voiceprint Analysis**

11:30 a.m.—12:00 p.m. Josh Yonovitz—Yonovitz & Joe, LLC

It is very common for audio recordings to be used as evidence, and often there is disagreement of the identity of the speaker. Since the 1960s, practitioners of Spectrographic Voiceprint Analysis (SVA) have overpromised the method as being analogous to fingerprint identification in accuracy. Despite being a completely analytical approach, the accuracy and confidence interval (CI) of the methodology was far lower than being reported by its earliest proponents. This resulted in provable false convictions and loss of faith in Forensic Speaker Identification (FSI) as a reliable scientific method by American jurisprudence. There are still active practitioners of SVA who act as forensic consultants, despite being unable to testify at trial. This includes the FBI, who routinely use SVA during their investigations, but not as confirmatory evidence. Dr. Hirotaka Nakasone, the contemporary head of the FBI's Voice Recognition Program, testified on the inappropriate use of spectrographic voiceprints and the need for a perceptual method employed by trained phoneticians at the trial of George Zimmerman in 2013. In 1990 Dr. Harry Hollien pioneered the Aural Acoustic method of FSI. Despite being a mixed analytical and perceptual technique, it has become the only accepted method for FSI. Recent studies calculate the confidence interval of this method to .95. My own study in 2019 calculated the confidence interval to .96. The method also meets Frye and Daubert admissibility standards and succeeds in these pretrial challenges.

## **Brianna Bigby Homicide Investigation**

1:00 p.m.—4:00 p.m. Sgt. Det. Sean Doherty

On June 1, 2013 at about 5:45AM, in the area of Humbolt Ave two individuals were shot while travel inbound on Humbolt Ave. Video was recovered and an SUV (Dodge Durango) was seen pulling alongside the victim's vehicle and then fleeing the scene after shooting into the victim's vehicle. Later that same day at about 3:20pm two individuals were sitting in a parked vehicle on Walnut Ave. When a SUV pull alongside of their vehicle and shot into the vehicle striking both individuals. One of these individuals would not survive their injuries. Witnesses would describe a Dodge Durango as fleeing the scene after the shooting.

# Abstracts

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Wednesday

December 7, 2022

## **Case Study: A woman in the bin**

1:00 p.m.—2:00 p.m. | Dr. Renee Stonebridge, OCME Boston

Dr. Stonebridge will discuss the medical investigation of this case and a range of other medicolegal case studies

## **Art Authentication Using Forensics?**

2:00 p.m.—3:00 p.m. | Brian O'Hara

The art world is historically full of art fraud. Identifying an authentic piece of art can be a very difficult task. In February 2021, I was contacted by a client to examine her art collection, which she believed was created by famous black artist Jean Michele Basquiat for fingerprints. At this point I had never heard of Jean Michele Basquiat and new very little about art. The client wanted to prove it was real through forensics. This to help either authenticate or determine if the art she had was fake. Over the last year and a half, I along with other colleagues have discovered her collection of art is all fraud. I have enough evidence to show it is an actual fraud and convict the fraud artist. I have told the client this but she refused to believe it. This investigation has led to another investigation of a collection from Georgia. I believe this collection to be an actual collection of art made by Jean Michele Basquiat. I have linked three (3) sperate art collections, once all part of one large collection owned by a Rupert Smith of New York. He was a friend and acquaintance of Jean Michele Basquiat and Andy Warhol. I was able to document fingerprints and foot tracks found on the art linking the three (3) collections. This journey has in many ways just like a homicide investigation, but without the murder victim.

## **Cell Phone Apps that are Handy in CSI**

3:00 p.m.—4:00 p.m.

| Ioan Truta

There are plenty of mobile apps that can be used to help the crime scene investigation. This lecture will discuss a couple that you might be interested in to have them handy.



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## EMILY BEACH

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**Emily Beach** began her career in the forensic science field in 2015 after obtaining her Bachelor's degree in Biochemistry and Molecular Biology from Drew University, and her Masters of Science degree in Biomedical Forensic Sciences from Boston University. She is a Forensic Scientist III and Certified Crime Scene Investigator through the IAI with the Worcester Police Department Crime Scene Unit. In addition, she is the Quality Manager for the unit. More recently, Emily has become an adjunct professor for Anna Maria College where she is teaching Criminalistics.

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## PETER BENGSTON

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**Lt. Peter Bengtson** is a 20 year veteran of the Massachusetts State Police. He also served 5 years with the Connecticut State Police. He has been assigned to the Crime Scene Services Section for 14 years. He has served as Trooper/Analyst, supervisor and now as executive officer of crime scene services. As a member of crime scene services he is authorized in the area of crime scene response, latent print, footwear and tire track examiner.



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## MACK BRAZELLE

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**Mack Brazelle** currently serves as the Lead Fingerprint Specialist working in the Forensic Science Laboratory of the United States Treasury Inspector General for Tax Administration. He holds a Bachelor degree from Mount Olive College and is recognized by the IAI as both a Certified Latent Print Examiner and Certified Crime Scene Investigator. As an active member of the IAI he serves as the Chair of the Latent Print Identification Science and Practice committee.

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## LORI BRUSKI

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**Lori Bruski** has been assigned as a Department of Justice – National Institute of Justice representative for the National Missing and Unidentified Persons System (NamUs). Currently Lori is employed with RTI International as the current contact manager for the NamUs program. Lori previously was with the University of North Texas Center for Human Identification (UNTCHI) as a Regional Program Specialist with NamUs and has continued that role at RTI International serving as the System and Process Project Manager. Prior to joining NamUs, Lori was employed with the Michigan State Police and was trained in firearms, crime scene response, bloodstain pattern interpretation, serological examinations, and DNA analysis. In her current role, she aids law enforcement, medical examiners, and families with missing and unidentified person cases providing

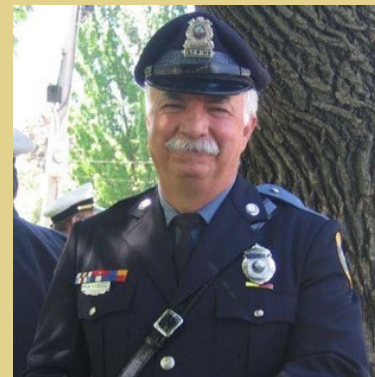
daily assistance to NamUs stakeholders in the areas of entering new NamUs cases, enhancing data on existing NamUs cases and facilitating forensic services. Lori also provides training to law enforcement and medical examiners and is involved with many special projects including Operation UNITED involving exhumations of unidentified individuals.

**Kevin Burke** is a retired police officer for the Town of Andover, Massachusetts, (2010). A position he has held for the past 37 year's and has worked for Ron Smith Associates in the Houston Police Department Project, and in Largo Florida on the Latent Print Data Base Project. A graduate of Northeastern University, Boston, with a B.S. in Criminal Justice, Kevin has also graduated from the Massachusetts State Police Academy, 61st M.P.O.T.C. He has over 35 years of experience in the recording, processing, photographing, lifting, examining and comparing of fingerprints associated with various suspects and crime scenes. He has participated in all aspects of criminal investigation, crime scene processing, evidence collection and preservation and its analysis. While working as a police officer he has qualified as a NRA expert in Revolver, Pistol, and Shotgun in "Combat Course A". He is currently an IAI Certified Ten Print Examiner, Certified Latent Print Examiner and an IAI Certified Senior Crime Scene Analyst. He is a recognized fingerprint expert in Massachusetts Federal, State and District Courts. Kevin has successfully completed both the FBI's Administrative Advance Latent Fingerprint Course, and Fingerprint Photography Course offered at the FBI Academy in Quantico Va. He has also trained the Essex County District Attorneys Office in the proper methodology in prosecuting fingerprint cases in their court jurisdiction.

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## KEVIN BURKE

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## DAVID CAHILL

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**Det. Lt. David Cahill.** Commander of the Massachusetts State Police Firearms Identification Section. 35+ years on the MSP. The last 20 assigned to the FIS Section, and the last 4 years as Unit Commander. The FIS Section is responsible for Firearms and Firearms related evidence for the State of MA except for the City of Boston.

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# LISA CORSON

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MAY 26, 1966 – JANUARY 18, 2021

**Lisa Corson** was a Senior Criminalist at the NH State Police Forensic Laboratory. She was a long time member of the NEDIAI and served as our chapter's Secretary for many years. We honor her memory with this tribute. She was adored by our members and will be severely missed.



SPEAKERS

## IN MEMORIAM

**Sgt. Det. Sean Doherty** has been a Boston Police Officer for 27 years.

Sergeant Detective: Boston Police Homicide Unit, 12 years

Sergeant Detective: Internal Affairs, 1 year

Uniform Patrol Sergeant: B3 Mattapan, 2 years

Detective: Homicide, 1 year

Detective: Sexual Assault, 2 years

Patrolman: Gang Unit, 5 years

Patrolman: B2 Roxbury, 5 years.

Member of the International Homicide Investigators Association

(I.H.I.A) Member of New England Div. International Association for Identification (N.E.D.I.A.I)

Member of the Massachusetts Police Association (MPA) Member of the Fraternal order of Police

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## SEAN DOHERTY

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**Christopher Dolan** is a Latent Fingerprint Expert and has been performing fingerprint examinations for over 25 Years. He began his career in Criminal Justice in 1995 as a Latent Print Examiner for the Massachusetts State Police and continued with the Massachusetts State Police as a sworn officer in 2002. He was assigned to the Crime Scene Services Section in 2004 where he served as a Crime Scene Investigator until December of 2021. He holds a bachelor's in psychology, a graduate certificate in forensic criminology and a master's in criminal justice. He has responded to thousands of crime scenes, examined over 3,000,000 fingerprints, and made over 5,000 fingerprint identifications.

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## CHRIS DOLAN

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## JEREMIAH DONOVAN

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**Lieutenant Jeremiah Donovan** has been in law enforcement for 21-years, worked for the Massachusetts State Police for over 16-years, and has been assigned to the Bristol County State Police Detective Unit (SPDU) for 12-years. He is currently a supervisor in the homicide and computer crimes units within the SPDU. He was one of the case officers and performed a majority of the technical aspects of the investigation into the murder of Odin Lloyd and the trials of Aaron Hernandez and others . More recently, Emily has become an adjunct profession for Anna Maria College where she is teaching Criminalistics.

**Trooper TaraLaNise Elsemiller** is a State Trooper on the Major Crime Unit. For 15 years she has been a Trooper and the last 10 years she has been assigned to the Major Crime Unit. In this role, she led members at hundreds of crime and complex scenes ranging from officer involved shootings, homicides, suspicious deaths and any investigation assigned to by the Attorney General's Office to assist local agencies, as well as train other Law Enforcement agencies. Along side working in Major Crime, she is a Peer Counselor. She has attended the 10 week National Forensic Academy through the University of Tennessee. She received her Master in Forensic Science from the University of New Haven and has been CCSI since 2015. Tara is a Past President of the New England Division of the IAI and the current founder of the NESPAC Crime Scene Team.

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## TARA ELSEMILLER

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## BRIAN ENGLESON

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**Brian Engelson** joined the Boston Police Department's Latent Print Unit in 2017 and is currently a Criminalist II. He performs latent print processing, latent print comparisons, and crime scene response for the recovery of latent prints. Brian received a B.S. in Biology from Northeastern University and a M.S. in Biomedical Forensic Sciences from Boston University School of Medicine.

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## BETH FARRIS

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**Elizabeth Dunphy Farris** has been a prosecutor in Massachusetts for the last thirty-seven (37) years. She has completed over 50 homicide prosecutions, and has prosecuted numerous major felonies in sexual assault, child abuse, domestic violence and crimes committed against elders and persons with disabilities. She has appeared before the appellate courts of the Commonwealth, at all levels, in over 200 cases. Attorney Farris was the first woman recipient of the William C. O'Malley, Prosecutor of the Year Award from the Massachusetts District Attorney's Association, and has been recognized, by award, by other state and regional agencies for professionalism and devotion to duty in complex criminal investigations. She was appointed to the National Institute of Justice's (NIJ) Planning

Panel for Crime Scene Investigation (NPPCSI) and NIJ's Technical Working Group for Crime Scene Investigation (TWGCSI) from which a national best practices guide and training curriculum were developed for first responders and other law enforcement investigators arriving at crime scenes in an effort to minimize scene and/or evidence contamination. Attorney Farris also has served on the Supreme Judicial Court's (MA) Standing Advisory Committee on the Rules of Criminal Procedure

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## AL GAMACHE

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**Sgt. Al Gamache** is a 17 year veteran of the MA State Police and has been involved in the investigation of major crimes to include but not limited to: Homicides/Unattended Deaths, Violent Crimes, Sexual Crimes, Motor Vehicle Deaths/Homicides and any other crimes deemed necessary for extensive investigation. Crime scene investigation to include evidence recovery, Photo and video documentation of crime scenes Recognition, processing, recovery, and analysis of latent prints

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## JAMES GIVEN

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**Chief James Given** is a certified fire investigator with vehicle endorsement through the International Association Arson Investigators and a certified fire and explosion investigator, certified vehicle fire investigator with the National Association of Fire Investigators. He is the Chief of Investigations for the Rhode Island Office of the State Fire Marshal. He is an FAA licensed remote pilot for small, unmanned aircraft systems (UAS). James has been at the Rhode Island Office of the State Fire Marshal for the past 8 years. Prior to that James spent 25 years with the Narragansett, Rhode Island Fire Department with his last 4 years as the Town's Fire Marshal and primary Fire Investigator.



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## MOSS GLATER

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**Moss Glater** obtained his Bachelor's degree in Biology from the University of Massachusetts Amherst, and his Master's of Science degree in Biomedical Forensic Sciences from Boston University. He is a Medical Examiner Assistant I with the Massachusetts Office of the Chief Medical Examiner

**Reika Hiroi** is currently a Criminalist I at the Boston Police Department's Latent Print Unit and has been a part of the unit for about a year and a half now. Her current responsibilities include processing and crime scene response. Reika received her B.A. in Biology from Brown University and an M.S. in Biomedical Forensic Sciences from Boston University School of Medicine.

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## REIKA HIROI

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## DEBORAH KOSIOREK

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**Deborah Kosiorek** is a Criminalist IV/Technical Lead in the Latent Print Unit. She came to the Boston Police Latent Print Unit in 2007 after working as an Investigator for the State's Attorney's Office in Stamford and Norwalk, Connecticut. Deborah previously worked as an Identification Bureau Technician for the Milford Police Department in Milford, CT. She currently performs latent print processing, latent print comparisons, and crime scene response. She received a B. S. from Fordham University in Bronx, NY and an M.S. from the University of New Haven in West Haven, CT. She is a Certified Crime Scene Investigator and Certified Latent Print Examiner with the International Association for Identification.

**Diana Kardashian** is currently employed as a Criminalist III for the Boston Police Department's Latent Print Unit and has worked for the department since 2014. She previously worked for the Cambridge Police Department's Identification Unit for 6 years. Diana is a Certified Latent Print Examiner and Certified Crime Scene Investigator through the International Association for Identification. Her educational background includes a B.S. in Criminal Justice from Northeastern University and a M.S. in Forensic Science from the University of New Haven.

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## DIANA KARDASHIAN

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**RICHARD LEWIS**

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**Sergeant Detective Richard Lewis**, Boston Police Homicide Unit:

FBI TASK FORCE OFFICER, VIOLENT CRIMES TASK FORCE (9/2020-Present)  
INCIDENT COORDINATOR & LEAD INVESTIGATOR, FIREARM DISCHARGE INVESTIGATION TEAM (1/2015-Present)  
SUPERVISOR, HOMICIDE UNIT (1/2015-Present)  
SUPERVISOR, DRUG CONTROL UNIT (1/2013 –1/2015)  
SUPERVISOR, INTERNAL INVESTIGATIONS (MARCH 2011-MARCH 2013)  
BOSTON POLICE DEPARTMENT SERGEANT (5/2007-3/2011)  
DETECTIVE, GANG UNIT (6/2005-5/2007)  
DISTRICT DETECTIVE, AREA B-2 (3/2003-3/2005)  
POLICE OFFICER, AREA B-2 AND DRUG CONTROL UNIT (SEPTEMBER 1995-MARCH 2003)

**Kristen Morgan** is currently a Criminalist IV at the Boston Police Department's Latent Print Unit. She was hired in 2005 as a member of a new civilian team tasked with rebuilding a latent print program after closure in 2004. Her current responsibilities include processing, comparisons and crime scene response. In addition to those responsibilities, Kristen trains members of the Boston Police Department in basic latent print processing. She has received over 1000 hours of specialized training in latent prints, crime scene, photography, and other forensic related fields. Kristen received her B.S in Criminal Justice from Westfield State University and an M.S in Forensic Science from the University of New Haven. She is a Certified Latent Print Examiner and a Certified Senior Crime Scene Analyst with the IAI.

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**KRISTEN MORGAN**

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**TONY NGUYEN**

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**Tony Nguyen** has been a Crime Scene Investigator and Latent Print Examiner with the Los Angeles County Sheriff's Department for over three years. Prior to that, Tony was employed for 12 years as a crime scene investigator with the Pomona Police Department. Tony is a Certified Crime Scene Investigator and is further certified in Forensic Photography & Imaging through the International Association for Identification (IAI). Working for a very busy department, Tony has amassed over 15 years of extensive experience in the field of forensics and is involved in teaching, training, and has been a guest speaker at several law enforcement agencies and forensic conferences. Tony is very active in the Los Angeles latent print and photography community and served as the President of the Southern California Association of Fingerprint Officers (SCAFO). He is also a member of the Los Angeles County Forensic Supervisor's Group, and is the current Chair of the IAI Forensic Photography

& Imaging Certification Board. Most recently, Tony was the 2021-2022 President of the CSDIAI. Tony is a graduate of the Art Institute of Seattle's commercial photography program, and has worked as an editorial and studio photographer since 1989. He has participated in multiple photo exhibitions in California, Washington State, Victoria and Vancouver (British Columbia, Canada)

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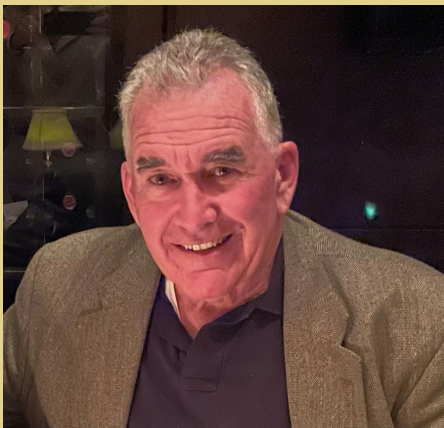
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## BRIAN O'HARA

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**Brian M O'Hara** -Retired Detective Lieutenant from Mass State Police, 1978-2006. Member of IAI and a Certified Latent Examiner. 1987 was a founding member of NEDIAI. Thirty-eight (38) years experience in forensics. He had 20 years experience responding to crime scenes and processing them for physical and biological evidence. Ten (10) of those years were spent as a Homicide Scene supervisor, supervising seven (7) labs. Since retiring he has worked as a Certified Latent Print Examiner contractor for the Department of Defense, Boston P.D., Ron Smith & Associates at Houston P.D. TX and Osceola Sheriff's office, Kissimmee, Fl. Presently he is back working for the Mass State Police on a special project dealing with Mutilated Fingerprints

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**Michael O'Dwyer** is a 10-year veteran of the Boston Police Department. During his time with the Department, he has worked as a patrol, plain clothes, and now Crime Scene Response Officer. Mike has been assigned to the Crime Scene Response Unit (CSRU) since June 2021. He is a trained Ten Print Examiner and Crime Scene Investigator. Mike has assisted in training for recently appointed Detectives and Sergeants, Detective In-Service as well as specialized units.

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## MICHAEL O'DWYER

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## NOAH PACK

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**Sergeant Noah H. Pack** has been a law enforcement officer for fifteen years, serving the past eleven years with the Massachusetts State Police. Sergeant Pack was assigned for five years to the State Police Detective Unit for the Hampden District Attorney, where he was responsible for homicide, suspicious death, and major crime investigations. Sergeant Pack has been a practitioner, instructor, and advocate for the use of emerging technologies within the field of major crime investigations. Sergeant Pack has completed master's and bachelor's degrees from the University of Massachusetts and previously served as a critical care paramedic. Sergeant Pack was recognized by the International Association of Chiefs of Police with the 40-Under-40 Award in 2019.

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**Eddy Pena** started working for the Boston Police Department in November of 2004 as a police cadet. Eddy Pena became a police officer in May of 2008 and is a 14-year veteran of the Boston Police Department. During his time with the Department, he has worked doing patrols and plain clothes all in the Dorchester section of Boston for 11 years and now is a Crime Scene Response Unit Officer. Eddy has been assigned to the Crime Scene Response Unit (CSRU) since October of 2019. He is a trained Ten Print Examiner and Crime Scene Investigator. Eddy has assisted in training for recently appointed Detectives and Sergeants, Detective In-Service as well as specialized units.

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## EDDY PENA

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## MELISSA PERISOT

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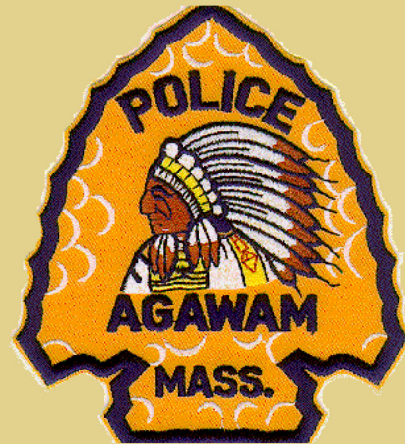
**Melissa Parisot** is an Intelligence Analyst (IA) with the FBI's Boston Division. IA Parisot has 16 years of analytical experience with the Bureau. Prior to transferring to Boston in late 2019, IA Parisot completed assignments in Los Angeles, Washington DC, Kabul, Algiers, and London. Starting in 2018 with the Golden State Killer investigation in California, IA Parisot has used her expertise in Investigative Genealogy (IG) to solve cold cases throughout the United States; and she is currently working with state and local investigators on IG cases in the Northeast.

**Detective Sergeant Mark Pfau** is a thirty-three year Police Officer with the Town of Agawam, joining the department upon graduation from Northeastern University in 1987. Detective Sergeant Mark Pfau has spent twenty-three years in the detective bureau. Nine years as a detective assigned to the narcotics unit as well as being assigned to the Eastern Hampden County Drug Task Force. Pfau has overseen the narcotics unit for the Agawam Police Department for sixteen years, from 2001-2008 and again from 2015 –present. Pfau has participated in numerous narcotic investigations, his experiences include working with confidential informants, surveillance, and preparing search and seizure warrants. Pfau has worked with local, state, and federal agencies during this time period. Pfau was also the lead investigator for the Agawam Police Department for the 1992 unsolved homicide of Lisa Ziegert which occurred in Agawam, Massachusetts in April of 1992. From 2001-2008 Pfau worked with Massachusetts State Troopers assigned to the Hampden County District Attorney's Office to solve this case. In 2015 Pfau came back into the Agawam Detective Bureau where he was teamed with Massachusetts State Trooper Noah Pack to investigate this unsolved homicide. Their teamwork and investigation skills led to Gary Schara being arrested for this homicide 2017. In 2019 Gary Schara was committed to Life without Parole after pleading guilty to First Degree Murder.

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## MARK PFAU

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## ANN MARIE ROBERTSON

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**Detective Lieutenant Ann Marie Robertson** is the Unit Commander of the Massachusetts State Police Unresolved Cases Unit (UCU). The UCU investigates unresolved homicides and other violent crimes, in which a renewed investigative focus may prove helpful. The primary objective of the UCU is to bring offenders to justice and support victims and their families. The Unit consists of Troopers who work collaboratively with local police departments and the District Attorney's offices (Bristol, Hampden and Plymouth Counties). Detective Lieutenant Robertson has worked for the Massachusetts State Police for the past 23 years

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## ERIK SAVICKE

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**Erik** is a Criminalist III with the Boston Police Department Latent Print Unit. He has worked for the department for over 13 years. He is certified by the International Association for Identification as a Certified Latent Print Examiner and Crime Scene Investigator. He currently performs latent print processing, latent print comparisons, and crime scene response. Erik received his B.S. in Biochemistry from Suffolk University and an M.S. in Biomedical Forensic Science from Boston University.

**Amanda Soucey** is a New England native with a passion for forensic science and teaching. She enjoys the opportunity to work with aspiring scientists to help guide them on their forensic science journey. Amanda began her forensic science career in 2013. She received her Bachelor's degree in Forensic and Investigative Science with an emphasis in Examination from West Virginia University and received her Professional Master of Science degree in Forensic Science from Florida International University. She is currently both a Certified Latent Print Examiner and Certified Crime Scene Analyst for the Worcester Police Department where she specializes in fingerprint processing and examination, and more recently, crime scene investigation. She is the Technical manager and the primary trainer for the Latent Print Unit and serves as the Forensic Services Internship coordinator. More recently, Amanda has become an adjunct profession for Anna Maria College where she is teaching Criminalistics.

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## AMANDA SOUCEY

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## IAN SPENCER

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**Ian Spencer** has worked in public safety since 2001. He has been with the Lincoln Police Department since 2005. Ian is currently assigned as detective and has been the liaison for the Lincoln Public Schools, Lincoln-Sudbury Regional High School, Minuteman Regional Technical High School, The Carroll School, and the Birches School since 2010. Ian is also an FBI trained forensic artist. He supports investigators across New England with the creation of forensic images used to assist in the identification of individuals not known to the police. He holds a bachelor's degree from the University of Massachusetts, Lowell, in criminal justice and a master's degree in criminal justice from Lasell University. His wife, Melissa, is a fifth-grade special educator, and he is the proud father of a teenage daughter.

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## RENEE STONEBRIDGE

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Dr. Renee Stonebridge is the Director of Cardiac and Neuropathology at Office of the Chief Medical Examiner . She earned her medical degree from the American University of Antigua College of Medicine in 2013 and completed 4 years as a Pathology Resident at NYU Winthrop Hospital. Since 2017, she has been involved in the investigation of the cause and manner of death for deaths that occur under violent, suspicious, or unexplained circumstances.

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**Det. Lt. Colleen Tanguayl** was a Trooper, Sgt. and then Lt in crime scene.

Bachelor's Degree in Criminal Justice, Masters in Criminal Justice Administration.

26 years in Law Enforcement.

18 years in Crime Scene.

Investigated hundreds of homicides and fatalities, compared 10's of thousands of latent prints,

Fingerprint expert, Impression evidence analyst, crime scene analyst, scene supervisor,

I worked on the recovery of Molly Bish, worked on the Boston tunnel collapse investigation.

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## COLLEEN TANGUAY

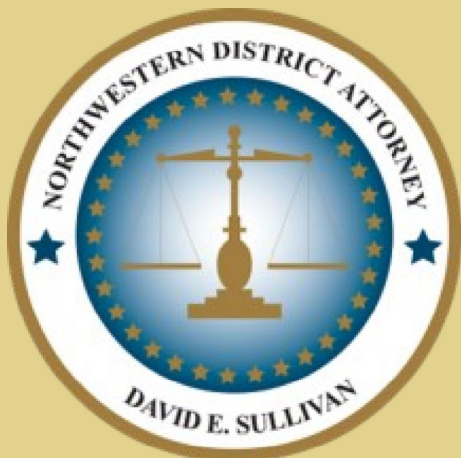
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## MATT THOMAS

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**Matthew Thomas** is Chief Trial Counsel for the Northwestern District Attorney's Office. His approximately 300 trials over a twenty-five year career includes convictions for nearly every major felony including homicide, arson, masked armed robbery, home invasion, vehicular homicide, and indecent assault and battery on a person with an intellectual disability. His half a dozen reported cases include Commonwealth v. Loadholt, 456 Mass. 411 (2010), which expanded the safety exception to Miranda warnings to include the safety of police officers and not just the general public.

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## IOAN TRUTA

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**Ioan. Truta** has been a Criminalist IV with the Latent Print Unit at Boston Police Department since 2005. He started his forensic career in 1996 at Cluj-Napoca Police Department in Romania. Mr. Truta worked in the forensic field of crime scene investigation, forensic photography and pattern impressions identification (fingerprints, footwear imprints, tool marks and questioned documents). In 2001 he worked for the United Nations Peacekeeping Mission in Kosovo as a crime scene investigator and latent print examiner. He regularly lectures on different forensic topics at conferences and other professional meetings. Mr. Truta served as a member of the Forensics Identification for Standardization Committee of the IAI, and he is a Certified Latent Print Examiner (CLPE), a Certified Forensic Photographer (CFPH) a Certified Senior Crime Scene Analyst (CSCSA) and a Certified Footwear Examiner through the International Association of Identification (IAI). He currently serves as a board

member for the IAI Forensic Photography and Imaging Certification Board. Mr. Truta earned a bachelor degree in Juridical Sciences (JS) with concentration in forensics from Law School, in

**Alicia Wilcox** earned a B.Sc. in chemistry and statistics from the National University of Ireland and holds M.S. degrees in forensic science, criminal justice and business administration from Strathclyde University and Husson University, respectively. She earned her Ph.D from the University of Dundee, with a focus on how juries interpret evidence. Alicia is an associate professor at Thomas College in Maine and has practiced forensic science since 2001, working for Forensic Science Ireland, the Maine State Police crime laboratory and through private consulting. She is a past president and current board member of the New England Division of the IAI, is a member of the IAI board of Directors, the footwear/tire subcommittee of the Organization of Scientific Area Committees (OSAC) for forensic sciences and American Standards Board (ASB) of the American Academy of

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## ALICIA WILCOX

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## JOSHUA YONOVITZ

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**Joshua Yonovitz** received a Master of Science degree in Forensic Science from the University of Florida in 2017. Relevant graduate courses that I have taken include acoustics, linguistics, and advanced criminalistics. I joined Yonovitz & Joe as a Forensic Associate in 2010. I now have more than 12 years of experience conducting forensic investigations of recorded audio and video evidence, including forensic voice identification/elimination. Yonovitz & Joe consists of forensic experts that specialize in the forensic analysis and authentication of audio, acoustics, and video recordings, including forensic voice identification/elimination I have authored 6 peer reviewed publications, 10 poster/paper presentations, and 58 contributing works in the field of audio and video forensic science. I am also a member of the American Speech and Hearing Association (ASHA) and the International Association for Identification (IAI). I am located in

Groton Connecticut.



# THOMAS ZUKAUSKAS



## SA Tom Zukauskas

FBI Boston Division  
Violent Crimes Task Force (2017-Present)  
Worcester Resident Agency (2014-2017)  
FBI New York Division  
Russian Organized Crime (2011-2014)  
Securities Fraud (2007-2011)

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