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*Curriculum Vitae*

**Dr. Alicia Bríd McCarthy**

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**EDUCATION**

**Doctor of Philosophy in Forensic Science, 2017**

University of Dundee, Dundee, Scotland

- With a research focus on juror understanding of forensic science testimony.

**Master of Business Administration, 2015**

Husson University, Bangor, Maine

**Master of Science in Criminal Justice Administration, 2009**

Husson University, Bangor, Maine

**Master of Science in Forensic Science 2001**

University of Strathclyde, Glasgow, Scotland.

- Graduate thesis and internship with the Forensic Science Laboratory in Ireland investigated the best methods for the presumptive and confirmatory testing of anabolic steroids and the date rape drug, GHB.

**Bachelor of Science (Double Honors) Chemistry and Statistics 2000**

National University of Ireland, Maynooth, Co. Kildare, Ireland.

- Research thesis: The calculation of atomic energy levels using basis set theory.

**PROFESSIONAL ASSOCIATIONS**

- International Association of Identification, Board of Directors (2019-present)
  - Student Advocacy Committee, Co-Chair
  - Governmental Affairs Committee- Member
  - Footwear Certification Board- Member (2017-2019)
- National Institute of Standards and Technology (NIST)
  - Organization of Scientific Area Committees (OSAC) for forensic sciences-
    - Footwear-Tire subcommittee member (2017-2023)
      - Detection Task Group- chair
    - Human Factors Task Group -member
    - Trace Evidence Subcommittee- Outreach Task Group
      - RTI crime scene app development (2021)
    - Terminology Task Group
      - OSAC preferred terms
    - Scientific & Technical Review Panels (STRPs)- as needed.
    - Footwear and Tire Process Map Committee (2020)

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- New England Division of International Association of Identification, Board Member
  - President 2009-2010
- American Academy of Forensic Sciences, Associate Member and ASB Consensus Body member for footwear and tire evidence

## **EMPLOYMENT**

### **Thomas College, Waterville, Maine. September 2019- present**

Professor of Forensic Science & Criminal Justice

Faculty Senate- President (2023-2025)

President's Task Force for Diversity, Equity and Inclusion

### **Individualized Forensic Solutions, LLC. August 2012-Present**

Chief Scientific Officer

Provide forensic consulting services, casework review, evidence analysis, expert testimony

Tailor forensic training to specific needs

Working with The Innocence Project 2014-present

Teaching for Tri-Tech Forensics and Ron Smith & Associates

### **Husson University, Bangor Maine. August 2011- May 2019**

Associate Professor and Forensic Science Program Director- School of Legal Studies

Classes taught: Introduction to Justice and Public Safety, Criminalistics, Criminal Procedure, The Science of Fingerprints, Forensic Photography, Forensic Science I & II, Forensic Capstone, Advanced Criminological Theories, Demystifying Crime and Criminal Justice, Research Methods, Criminal Justice Internships, College Readiness

#### **Duties:**

Program Coordinator of the Forensic Science Program

Developing and teaching criminal justice and forensic science undergraduate and graduate classes

Curriculum and Program development

Grant applications

Participation in University Committees

- Scholarship committee – chair
- Handbook committee- member
- Promotion Committee
- Institutional Review Board

Recruitment and retention of students

Community Service

Academic Advising

Policy Implementation

Research with students and faculty

Undergraduate and Graduate Internship Supervisor

Forensic Science Research coordinator

### **Maine State Police Crime Laboratory Feb. 2002-July 2011**

Forensic Scientist – Latent Print Examiner

#### **Responsibilities:**

Analyzing, Comparing, and Evaluating Impression Evidence

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Processing evidence, developing new processing methods and policies  
Crime scene coordination  
Automated Fingerprint Identification System (AFIS) manager  
Reviewing other examiners' casework  
Developing training programs for law enforcement officers, teaching, administering examinations  
Cold case review and management  
Supervising Internship students  
Member of the Evidence Response Team- respond to major crime scenes

**Forensic Science Laboratory, Department of Justice, Dublin, Ireland**  
**Sept 2001-Jan 2002**  
Forensic Scientist- Drug Section

Duties: Analysis of drugs of abuse and writing reports for court.

**Forensic Science Laboratory, Department of Justice, Dublin, Ireland**  
**June-Sept 2001**  
Forensic Science Intern – Research and Dissertation

Researched and developed standard operating procedures for analysis of Gamma Hydroxy-Butyric Acid (GHB) and anabolic steroids.

## **PUBLICATIONS:**

McCarthy Wilcox, Alicia (2023) Vehicle Tire Marks and Tire Track Measurements. In: Max M. Houck (ed.) Encyclopedia of Forensic Sciences, Third Edition, vol. 4, pp. 802–810. Oxford: Elsevier.

McCarthy Wilcox, Alicia (2023) Overview of Pattern Evidence Disciplines. In: Max M. Houck (ed.) Encyclopedia of Forensic Sciences, Third Edition, vol. 4, pp. 113–119. Oxford: Elsevier.

Wilcox, A. M., & NicDaeid, N. (2018). Jurors' perceptions of forensic science expert witnesses: Experience, qualifications, testimony style and credibility. *Forensic science international*, 291, 100-108 [https://discovery.dundee.ac.uk/ws/files/28607817/FSI\\_D\\_18\\_00058R3\\_3\\_.pdf](https://discovery.dundee.ac.uk/ws/files/28607817/FSI_D_18_00058R3_3_.pdf)

Rideout, Victoria, Raymond Kennard, Alicia M. Wilcox, and Mark Flomenbaum. "Demographics of Suicide Victims in Maine for 2017 and 2018 with Emphasis on Suicide Notes." *Maine Policy Review* 28.2 (2019) : 49 -57, <https://digitalcommons.library.umaine.edu/mpr/vol28/iss2/7>.

Wilcox, A. B. M. (2017). A mixed method investigation of the factors that influence juror interpretation of forensic science testimony presented for the prosecution in nine homicide trials in the United States (Doctoral dissertation, University of Dundee).  
[https://discovery.dundee.ac.uk/ws/portalfiles/portal/32814766/Alicia\\_Wilcox\\_final\\_Thesis\\_.pdf](https://discovery.dundee.ac.uk/ws/portalfiles/portal/32814766/Alicia_Wilcox_final_Thesis_.pdf)

## **CERTIFICATIONS/ AWARDS**

- Qualified ANAB assessor (2022)
- Husson University, College of Business-scholarship award (2015)
- Maine State Police Special Award of Commendation (2013)

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- Certified Senior Crime Scene Analyst, International Association for Identification (2010-present)
- Maine State Police Special Award of Commendation (2010)
- Certified Forensic Photographer, International Association for Identification (2009-2024)
- Certified Footwear Examiner, International Association for Identification (2006-present)
- Maine State Police Crime Laboratory employee of the year 2005-2006.
- Certified Law Enforcement Instructor, Maine Criminal Justice Academy (2005)
- Certified Latent Print Examiner, International Association for Identification (2004-2025)
- Maine State Police Colonel's Award (2004)

## **EXPERT TESTIMONY**

Commonwealth of Massachusetts v. Leedell Graham, Essex County Superior Court (6/13/2024) Footwear Evidence.

Wisconsin v. Mary Bailey (cold case, 1985), Polk County, Wisconsin. Trial Testimony (5/24/24) Footwear Evidence.

State of Maine v. Kailie Brackett, Washington County Superior Court, Machias, Maine. Motion in Limine (12/1/2023) and trial (12/14/2023) Forensic Pattern Evidence testimony

Iowa v. Donnie Lee Wyldes, Decatur County District Court, Iowa (6/27/2023) Footwear Testimony-Post conviction review

U.S. v. Janice Mason, United States District Court, Baltimore, MD. Daubert hearing on footwear methodology. 3/7/2023

Commonwealth of Massachusetts v. Kurvin Richardson. Suffolk County Superior Court, Boston, MA. Post-conviction hearing (homicide). Footwear comparison testimony, 2/21/23.

State of South Carolina v. Jejauncey Harrington, Judge Michael Nettles, Marlboro County, Florence, SC. Homicide trial, footwear impression evidence, 2/9/2023

State of Minnesota v. Jerry Westrom, Hennepin County District Court, Minneapolis, MN. Homicide trial, plantar friction ridge comparisons, 8/19/2022

Commonwealth of Massachusetts v. Patrick Lys. Suffolk County Superior Court, Boston 10/21/2021, Homicide trial- Footwear Testimony

State of Maine v. Jay Mercier, 8/19/21, Somerset County Superior Court Homicide, Post-conviction evidence review, tire testimony.

State of Florida v. Dane Abdool, 8/11/21, Ninth Judicial Circuit Court, Orange County Homicide, death penalty, post-conviction evidence review hearing, footwear methodology, and error rate testimony

State of Minnesota v. Jerry Westrom, 6/13/21-6/14/21, Hennepin County District Court

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Cold Case homicide evidence review hearing. Plantar friction ridge testimony

State of Florida v. Dane Abdool, 2/5/2020, Ninth Judicial Circuit Court Telephone Deposition, Homicide, death penalty, post-conviction evidence review hearing

U.S. v. Hector Cruz Mercedes, Federal District Court Boston, MA. 8/29/2018  
Daubert hearing on the methodology of fingerprint comparisons.

Commonwealth of Massachusetts v. James Norris, 4/14/2018, Hampden County Superior Court, Springfield, MA  
Homicide- Motion for a new trial. Footwear and fingerprint testimony

State of Nevada v. Robert Ramirez, 6/1/2017, Washoe County, Reno, Nevada  
Cold case, homicide-Footwear comparison testimony

State of Maine v. Timothy Wilcox, 2/10/2017 Cumberland County Superior Court,  
Microscopic hair comparisons and errors in conclusions

State of Maine v. Roxanne Jeskey, 12/18/2013. Penobscot Superior Court,  
Homicide, Luminol / Crime Scene Testimony

State of Maine v. Jay Mercier, September 21, 2012. Somerset Superior Court,  
Rita St. Peter 1980 Cold Case Homicide Trial. Tire Impression Testimony

State of Maine v. Rory Holland October 29<sup>th</sup> 2010. Penobscot County Superior Court  
Latent Print Testimony.

State of Maine v. Michael McDonald August 31<sup>st</sup> 2010. Kennebec County Superior Court  
Homicide, Latent Print Individualization

State of Maine v. Daniel Fortune May 12. 2010. Somerset County Superior Court  
Attempted double murder of William and Nicole Guerrette. Footwear, Fingerprint and  
Crime Scene testimony.

State of Maine v. Linda Dolloff. May 4, 2010 Cumberland County Superior Court  
Attempted Murder of Jeffrey Dolloff. Bare foot, friction ridge and crime scene testimony

State of Maine v. Bruce Lavalley-Davidson. January 12<sup>th</sup> 2010, Cumberland County  
Superior Court. Manslaughter of Fred Wilson– Fingerprint testimony

State of Maine v. Agostino Samson, Oxford County Superior Court, Sept. 9 (Voir Dire) &  
14, 2009, Homicide Trial of Scott Libby, Fingerprint in blood testimony

State of Maine v. Thomas Mitchell, Franklin County Superior Court, June 17, 2009  
Homicide Trial of Judy Flagg **Cold Case**, Footwear and Fingerprint testimony  
Suppression hearing in State vs. Thomas Mitchell, June 12<sup>th</sup> 2008, Kennebec Superior  
Court, Physical Matching

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State of Maine v. Peter Tuller, March 25<sup>th</sup> 2008, Bangor Superior Court  
Homicide trial of Michael Demmons, Crime Scene and Footwear Testimony

State of Maine v. Michael Hutchinson, April 2007, Portland Superior court  
Homicide, cold case, trial of Crystal Perry, Footwear Testimony

State of Maine v. Thomas Mitchell, December 2006, Kennebec Superior Court  
Bail hearing, Footwear Testimony, Physical Matching

State of Maine vs. Thomas Mitchell, Sept. 8<sup>th</sup> 2006, Kennebec Superior Court  
Grand Jury Review, Fingerprint and Footwear Testimony

State of Maine vs. Michelle Mills, June 7<sup>th</sup> 2006, Knox County Superior Court  
Grand Jury Review-Fingerprint Testimony

U.S. v. Maxx Noble, 21<sup>st</sup> August 2006, U.S. Federal District Court, Portland  
Fingerprint Testimony. Justice David Cohen. Prosecutor U.S. Attorney Paula Silsby

U.S. v. Evan Stroman, March 21<sup>st</sup> 2006, U.S. Federal District Court, Portland  
Fingerprint Testimony Justice David Cohen. Prosecutor U.S. Attorney Donald Clark

State of Maine v. Michael MacDonald Jr., October 4<sup>th</sup> 2005, Caribou Superior Court  
Homicide trial of Michael MacDonald Sr., Footwear testimony

State of Maine v. Thomas Harrington, Oct 2004, York County Superior Court  
Police Involved Shooting, Crime Scene testimony

State of Maine v. Roscoe Sargent, March 3<sup>rd</sup> 2004, Bangor Superior Court  
Homicide trial of Heather Sargent, Fingerprint testimony

State of Maine v. Santamu Basu, September 22<sup>nd</sup> 2003, Portland Superior Court  
Homicide trial of Azita Jamshab, Fingerprint and Tire Impression Testimony.

State vs. of Maine v. Gary Sweeney, September 15<sup>th</sup> 2003, Portland Superior Court  
Homicide trial of Christine Pepin, Fingerprint Testimony

U.S. v. Mitchell Maguire, July 28<sup>th</sup> 2003, U.S. Federal District Court, Portland  
Home Invasion. Fingerprint Testimony, Physical Matching. Justice Gene Carter.  
Prosecutor: U.S. Attorney George Dilworth.

### **ANSI National Accreditation Board (ANAB) Assessments**

Austin, Texas Forensic Science Department  
Scene Investigation, April 11-13

Las Vegas Metropolitan Police Department Crime Scene Investigation  
Scene Investigation, June 19-21, 2023

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## **PRESENTATIONS AND COURSES INSTRUCTED**

**Florida Division of The International Association for Identification- Annual training conference, October 22-24, 2024. Orlando, Florida**

- Stress, Vicarious Trauma & Burnout in the Forensic Sciences-Student Track
- **Workshop:** The Examination and Comparison of Footwear Impression Evidence
- **Workshop:** The Examination and Comparison of Tire Impression Evidence

**The International Association for Identification- Annual training conference, August 12-16, 2024, Reno, NV**

- Presentation for Students: Welcome to the IAI and networking tips
- **Workshop:** The Examination and Comparison of Footwear Impression Evidence
- **Workshop:** The Examination and Comparison of Tire Impression Evidence

**Finding Latent Evidence with Chemistry and Light, for Ron Smith & Associates**

Chicago Police Department, Forensic Services Division

- May 27-30, 2024
- April 29- May 2, 2024
- May 16-20, 2022
- March 7-11, 2022
- Dec. 12-16, 2022

**The International Association for Identification- Annual training conference, August 21-25, 2023, National Harbor, MD**

- Panel Discussion: Mental Health Topics for Investigators
- Using Tire Track Evidence to Build Your Case
- **Workshop:** The Examination and Comparison of Tire Impression Evidence

**New England Division of the International Association of Identification Annual Training Conference, Marlborough, MA. December 6, 2022**

- **Workshop:** Forensic Footwear Comparisons for beginners to experienced examiners

**Advanced Sequential Processing for Friction Ridge Evidence, for Ron Smith & Associates**  
Houston Forensic Science Service Center, Oct. 24-28, 2022

**The International Association for Identification- Annual training conference, August 1-5, 2022, Omaha, NE**

- Stress, Vicarious Trauma & Burnout in the Forensic Sciences-Student Track
- OSAC Footwear/Tire Subcommittee update
- **Workshop:** Forensic Footwear Comparisons for beginners to experienced examiners
- **Workshop:** Forensic Tire Comparisons

**New England Division of the International Association of Identification Annual Training Conference, Burlington, VT, December 6 & 7, 2021**

- Demystifying Black Box Studies in Forensic Science

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**The International Association for Identification- Annual training conference**, August 2-6, 2021, Nashville, TN

- Developing Emotional Intelligence-Student Track
- **Workshop:** forensic footwear comparisons for experienced examiners

**Expert Witness Testimony Webinar**

Hosted by Tri-Tech Forensics (8/6 hours) 10/23/20, 2/4/21, 6/1/21, 4/20/22, 7/26/22, 7/23/2024.

Hosted by NEDIAI (2 hours) 12/11/20

Hosted by CSDIAI (2 hours) 4/15/21

**International Caparica Conference in Translational Forensics, Caparica, Portugal, Nov. 19, 2019**

- Factors that influence a juror's perceptions of the value of forensic science evidence

**Maine Prosecutor's Association Annual Conference, Bar Harbor Oct. 24, 2019**

- Factors that *influence* a juror's perceptions of the value of forensic science evidence

**Southern California Association of Fingerprint Officers, San Diego, CA, Oct 4, 2019**

- Factors that influence a juror's perceptions of the value of forensic science evidence

**The International Association for Identification- Annual training conference**, August 12-16, 2019, Reno, Nevada

- Factors that influence a juror's perceptions of the value of forensic science evidence
- Developing Emotional Intelligence
- **Workshop:** forensic footwear comparisons for beginners

**The FBI Laboratory, Quantico, Virginia. September 21, 2018**

- Factors that influence a juror's perceptions of the value of forensic science evidence

**The International Association for Identification- Annual training conference**

- Demystifying the IAI forensic photography certification exam

August 2, 2018 San Antonio, Texas

**University of Rhode Island Forensic Science Partnership**

2018 Spring Seminar Series, April 13, 2018

- Factors which influence a jurors' perceptions of the value of forensic science evidence

**National Institute of Justice, Impression, Pattern and Trace Evidence Symposium January 22-25, 2018, Washington, DC**

- Factors that influence a juror's perceptions of the value of forensic science evidence

**New England Division of the International Association of Identification Annual Training Conference**, Portsmouth, New Hampshire, December 4-6, 2017

- Factors that influence a jurors' perceptions of the value of forensic science evidence
- How to prepare and successfully pass the IAI photography certification exam- Team Taught with Ioan Truta, Boston PD, Crime Laboratory

**The International Association for Forensic Sciences- Triennial conference**

August 24, 2017, Toronto, Ontario, Canada

- Factors which influence a jurors' perceptions of the value of forensic science evidence



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**The International Association for Identification- Annual training conference**

Factors which influence a juror's perceptions of the value of forensic science evidence  
August 8, 2017 Atlanta, Georgia

**Hampden County Lawyers for Justice Training**

Forensic science in Criminal Courts: Ensuring Scientific Validity of Feature-Comparison  
Methods, Explaining the PCAST report, February 8<sup>th</sup>, 2017 Springfield, MA

**Committee for Public Counsel Services Training Symposium**

Boston College School of Law, Massachusetts, June 9<sup>th</sup>, 2016  
Footwear Impression Evidence and Daubert Challenges

**New England Division of the International Association of Identification Annual Training Conference, Burlington Vermont, November 2015**

- A summary of the NIST Forensic Science Error Management Symposium, which was held in Washington, DC, July 2015
- The History and Background of the Judge, Jury and Expert Witnesses

**National Institute of Justice, Impression, Pattern and Trace Evidence Symposium August 25, 2015 San Antonio, Texas**

- Workshop- Juror-Centric Approach to Expert Testimony

**Evidence Response Team Training, Maine Criminal Justice Academy, March 13, 2015**

- Expert Testimony, how the jury perceives you

**Bangor Area Law Enforcement Officer's (LEO) Training, Tire Track Evidence**

Husson University Jan. 14, 2015

**New England Division of the International Association of Identification Annual Training Conference, Portland, Maine. November 2014**

- Tire Track Workshop

**New England Division of the IAI-Day in May Training Workshop**

New England State Police Information Network (NESPIN), Franklin, MA. May 7<sup>th</sup>, 2014 (5 hours)

- Tire Track workshop covering history of tires as forensic evidence, tire manufacturing, tire wear, wheelbase and track width measurements.

**Committee for Public Counsel Services Training Symposium**

New England School of Law, Boston, Massachusetts, Jan. 31<sup>st</sup>, 2014

- Comparative sciences, conclusions and recent research

**Negotiating Trial Motions**

Harvard Law School, Cambridge, Massachusetts, June 21<sup>st</sup>, 2013

- Footwear Impression Evidence, complex eliminations and conclusions

**Committee for Public Counsel Services Training Symposium**

New England School of Law, Andover Massachusetts, Jan. 11<sup>th</sup>, 2013

- Footwear Impression Evidence and Daubert Challenges

**National Institute of Justice, Impression and Pattern Evidence Symposium**

Clearwater, Florida, August 6-9, 2012

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- Footwear comparison and conclusions: Moving away from could not eliminate

**New England Division of the International Association of Identification** Annual Training Conference, Manchester, Vermont, December 2010

- Complex Footwear Comparisons and Eliminations for Footwear Examiners
- Crime Scene Training: Footwear and Tire Track Evidence

**Northeastern Association of Criminal Justice Sciences** Annual Conference, Portsmouth, RI. June 2010

- Panel discussion: Crime Scene Investigation in the 21<sup>st</sup> Century, Myths and Realities
- Presented CSI Maine: from Crime Scene to Court

**Basic Law Enforcement Training Program, Police Cadet Training current classes**

- Detecting, Recording and Preserving Footwear and Tire Impression Evidence Maine Criminal Justice Academy, 19 class sessions
- Taking Major Case Prints - Maine Criminal Justice Academy, 11 sessions
- Crime Scene Processing and Latent Print Detection and Enhancement, 4 Classes

**Evidence Response Team Instruction**

Back to Basics- dusting for fingerprints at the crime scene, April 1, 2010

Proctored ERT proficiency testing exams 2003, 2008, 2010

Night time crash photography and 3D footwear photography June 2005

Taking Major Case Prints - March 2004

Advanced Fingerprint Development Jan. 2003

Detecting, Recording and Preserving Questioned Documents August 2002

Casting and Preserving Tool Mark Impression Evidence Feb. 2002

**Advanced Crime Scene Processing School, Maine Criminal Justice Academy**

Instructed "Detecting, Recording and Preserving Footwear and Tire Impression Evidence" Maine March 2003, March 2004, March 2010, March 2011

"Solving the 1983 Cold Homicide Case of Judy Flagg", **Medico-Legal Society** November 2009

Instructed "The Science of Fingerprints" **Husson University** November 2008, October 2009

Lecture and Practical- "Processing Evidence for Latent Prints" **University of Maine- Orono**, October 2008, October 2009, October 2010, October 2012

Presented "Forensic Science and the Crime Laboratory" to **Waterville High School** May 2008

Instructed local Deputies and Police Officers "Crime Scene Processing" at Winslow PD 11/18/04, Western Maine Training Council 1/19/05 & Lincoln County Sheriff's Dept., July 20<sup>th</sup>, 2005.

## **CRIME SCENE PROCESSING**

I have attended more than thirty major crime scenes where I directed and gave oversight to the crime scene processing team.

## **FORENSIC SCIENCE TRAINING RECEIVED**

- New England Division of the IAI annual training conference, Newport, RI  
October 15-17, 2024
- International Association of Identification annual training conference, Reno, NV, August  
12-16, 2024
- New England Division of the IAI annual training conference, Nashua, NH  
October 25-26, 2023
- International Association of Identification annual training conference, National Harbor,  
MD, August 21-25, 2023
  - Workshop: Digital Processing of Footwear and Tire Impression Evidence,
- International Association of Identification annual training conference, Omaha, NE,  
August 1-5, 2022
- International Association of Identification annual training conference, Nashville, TN,  
August 2-6, 2021
  - Workshop: Orientation and smart searching friction ridge impressions
  - Workshop: Comparison of plantar friction ridge impressions
- Limits of Persistency in Friction Ridge Skin- Evolve Forensics, March 11, 2021  
(4 hours)
- New England Division of the IAI Webinars: March 2021
  - Features of the friction Ridge Skin: Discriminating Power, Biological  
Limitations, and Variation in Appearance- Alice White (2 hours)
  - Bloody Friction Ridge impressions- Glenn Langenburg (1.5 hours)
- OSAC conclusions scale for latent print examiners- Carey Hall (1 hour)
  - Footwear Forensics Reliability Study Results- Jacqueline Speir (1 hour)
  - Lesley Hammer's presentation
  - Crime Scene processing and Methodology – Tim Burt (3 hours)
  - Forensic and investigative photography- Michael Brooks (4 hours)
- Implementing the Expanded OSAC Conclusion Scale -Glenn Langenburg,  
1/5/2021 (4 hours)
- Southern California Association of Fingerprint Examiners Annual Training  
Conference, Oct. 1-4, 2019
  - Workshop: GYRO method of documenting fingerprints
  - Workshop: FRStat, statistics and fingerprints
- International Association of Identification annual training conference, Reno Nevada,  
August 12-16, 2019
  - Workshop: Analysis of distortion in latent prints

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- International Association of Identification annual training conference, San Antonio, Texas, July 29- August 5, 2018
  - Making optimal decisions in latent print comparisons
  - Introduction to human gait
  - Photographic comparisons
- New England Division of the International Association of Identification Annual Training Conference, Portsmouth, New Hampshire, Dec. 2017
- International Association of Identification annual training conference, Atlanta, Georgia, August 2017
- The International Association for Forensic Sciences-Triennial Conference, Toronto, Canada, August 2017
- New England Division of the International Association of Identification Annual Training Conference, Dedham, MA, November 2016
- New England Division of the International Association of Identification Annual Training Conference, Burlington, Vermont, November 2015
- International Symposium on Forensic Science Error Management, National Institute of Standards and Testing (NIST) July 21-24, 2015, Crystal City, Virginia
- National Institute of Justice, Impression, Pattern and Trace Evidence Symposium, August 25-27, 2015. San Antonio, Texas
- New England Division of the International Association of Identification Annual Training Conference, Portland, Maine, November 2014

**Workshops:**

Barefoot Evidence Workshop- Lesley Hammer, Hammer Forensics LLC, 4 hours

**Lectures:**

Latent print image distortion correction- Ioan Truta, Boston PD latent Print Unit - 1 hour

Blood Enhancement: Know your chemistry- Lesley Hammer LLC. 1 hour

The first footwear case in Jamaican History- Dwane Hilderbrand- 1.5 hours

Who sat where? Unconventional latent print processing for motor vehicles- Kristen Tolan & Deborah Dobrydney Boston PD latent print unit. 1 hour

Open Source software/freeware for any Agency- Drew Webb Forensic Consultants of New England LLC, 30 minutes

- International Association of Bloodstain Pattern Analysts Annual Conference, Portland, Maine Sept. 30- Oct. 3, 2014

**Workshops:**

“Mistakes were made but not by me” – Psychology of wrongful conviction. Joe Slemko, Edmonton Police service 1 hour 15 minutes  
Emotional Health for the BPA. Joe Slemko, Edmonton Police service 1 hour 30 minutes

**Lectures:**

Blood on Dark Surfaces: Why don't we see it? Netherland Forensic institute, 30 minutes

“Wherefore Art Thou...DNA” LeeAnn Singley. 30 minutes

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BPA in the Philippines- Filipias Francisco Papa. 30 minutes  
Black Widow or Maligned Mourner? Prof. Paulette Sutton, University of Tennessee 30 minutes  
Area of Origin Analysis Using Laser Scanner Technology- Eugene Liscio, Toronto Canada 1 hour

- John Waldo Ballou Inn of Court **"The Role of the Jury: Citizen Decision-makers in the Maine Justice System"** Hon. Donald G. Alexander and Timothy Woodcock, Esq. October 23, 2013
- International Association of Identification annual training conference, Providence, Rhode Island, August 2013

**Workshops:**

Latent Print Testimony 301-Advanced 4 hours

Reducing erroneous Exclusions- 4 hours

**Lectures:**

White Box Latent Print Study: Relating Examiner Conclusions to the Quality and Quantity of Print Features, Bradford Ulery, Austin Hicklin, Maria Roberts & JoAnn Buscaglia 1 hour

Fingerprint Evidence in Scene Reconstruction- Dr. Henry Lee-1 hour

Exclusions and Sufficiency: decisions for the Strong of Heart- John Black and Glenn Langenburg- 1 hour

Comparing Static Shod Foot Impressions with Barefoot Impressions- Bryan Kagan- 0.5 hours

Mexican Narco Cult Beliefs, symbols and Rituals- Dawn Perlmutter- 1.5 hours

Skip the Scan... Streamlining the Electronic Comparison Workflow- Steve Scarborough- 0.5 hours

The Integration of Technology and ACE-V Dr. Glenn Langenburg- 1 hour

Wear is Wear- John Vanderkolk- 0.5 hours

ACE-V for Footwear Impression Comparisons- Cindy Homer- 1 hour

I Kid You Not! They Actually Said That on the Witness Stand! Ron Smith- 1.5 hours

- Northeastern Association of Criminal Justice Sciences Annual Conference, Portsmouth, RI. June 2013, 24 hours
- Maine State Police Public Safety In-Service, Domestic Related Homicides Mike Coker- Public Agency Training Council, 11/20/2012, 3 hours
- New England Division of the International Association of Identification Annual Training Conference November 14-16, 2012

**Workshops:**

Courtroom Testimony

Crease and Third Level Ridge Details

**Lectures**

Immersive imaging, Scott Bryant, Maine State Police, 30 minutes

Investigating Counterfeit Goods, Jon Breen, Derry NH PD, 45 minutes

The Craig's List Killer Case, Debra Dobrydney, Boston PD, 1 hour

Trace Evidence, Kim Freeland, RI State Crime Lab, 30 minutes

Case Studies, various subject matter experts 1.5 hours

Utilizing the Ipad for Crime Scene Processing, J. Guffey, Foray Inc. 30 minutes

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Lonergan Theory of Cognition, J. Vanderkolk, Indiana Forensic Lab. 1-5 hours

- National Institute of Justice, Impression and Pattern Evidence Symposium, Clearwater, Florida, Aug. 6-9, 2012
- New England Division of the International Association of Identification Annual Training Conference, Manchester, Vermont, December 2010

**Workshops:**

Ethics in Forensic Science

Latent Prints of Value workshop.

**Lectures:**

Overview of the FBI Criminal Justice Investigative Services Team, Jodi Linger 1 Hour

Forensic Anthropology, Dr. Rick Snow- 1 Hour

Using Photoshop Masks to obtain information from shadows, David Grady- 1 hour

Close-Up Photography, Mark Zabinski- 1 Hour

Intentional Alteration of Fingerprints, Algorithms and pattern matching, Robert Foley-1 hour

Advanced Adobe Photoshop, Dave Witzke- 2 hours

Wound Healing and Aging of Skin, David Johnson- 1.5 hours

NEDIAI Annual Business Meeting

SWGFAST update, Bob Garrett- 30 minutes

Crime Scene Track: Latent Prints, Ioan Truta- 1 hour

- Northeastern Association of Criminal Justice Sciences Annual Conference June 2010
- New England Division of the International Association of Identification Annual Training Conference, Freeport, Maine, November 2009

**Workshops:**

Advanced Friction Ridge Comparisons

Advanced Footwear Comparisons

**Lectures:**

Outdoor Scene Death Investigations in the Northeast- 1 hour Dr. Marcella Sorg

Office of the Chief Medical Examiner

The rebirth of the Boston PD Latent Print Unit-1 hour Jennifer Hannaford, Boston PD Crime Lab

ISO accreditation for Latent Print Units- 1 hour Lt. David Grady Worcester PD, MA

Cadaver dogs and their uses – 1 hour Dr. Edward David

Deputy Chief Medical Examiner, Maine

Gunshot wounds - ½ hour Dr. Edward David

Deputy Chief Medical Examiner, Maine

Cognitive Psychology: The Difference between Novices and Experts -1 hour, John Vanderkolk, Indiana State Police Crime Lab

New England Footwear Examiner's meeting- 1 hour

National Academy of Science Report Panel Discussion- 2 hours. Panel: Robert Garrett, Richard Samdperil, Esq., Lisa Steele Esq., Ken Martin, Charles Caouette, John Vanderkolk

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- Fluorescent Photography by Charles Mazel Maine State Police Crime Laboratory  
October 2009
- International Association of Identification annual training conference, Tampa, Florida,  
August 2009
  - Workshops:**
    - Lips, Elbow and other Skin Impressions- 4 hours
    - Light Sources, Dye stains and Filters- 2 hours
    - Examination of Bodies for Fingerprints- 4 hours
  - Lectures:**
    - Court room testimony techniques- success instead of survival- Dwane Hilderbrand 4 hours
    - National Institute of Justice General Forensic Research and Development Grant Project Presentations – 1.5 hours
    - The survivability and recovery of Latent Prints on Objects Submerged Underwater- Carl Brad Wilson – 1 hour
    - A discussion on the possible effects of bias in latent print examiners 1.5 hours **Iteil Dror, Jennifer Mnookin, Smith, Alice Maceo, Glenn Lanenburg, Steve Meager**
    - Understanding SWGFAST'S standard for simultaneous Impression Examination- John Black, John Vanderkolk & Mark Zabinski
    - Footwear Mark Enhancement with Blood Reagents- Thomasz Ciuksza
    - The Significance of Wear Characteristics of Footwear in the Forensic Examination of Footwear Impression Evidence- 2 hours, Lesley Hammer, Matt Johnson, Rodney Schenck, William Bodziak
    - Intentionally Mutilated Fingerprints- ½ hour, Laura Tierney
    - How to Get the Most Out of Your Team When the Game's on the Line- 2 hours, Ron Smith
    - Sidewall Tire Impressions on Pedestrian's Clothing Involved in Motor Vehicle Accident- ½ hour, Alvarez Ramses
- New England Division of the International Association of Identification Annual Training Conference, Portsmouth, New Hampshire, December 2008
  - Workshop:**
    - Comparison of Plastic Garbage Bags- 4 hours
- Advanced Friction Ridge Analysis Ottawa, Canadian Police College, April 2007  
40 hours of analysis and comparison of difficult latent prints
- International Association of Identification annual training conference, Boston, Massachusetts, July 2006
  - Workshops:**
    - Courtroom presentations for latent print and footwear evidence- 4 hours
    - Nighttime imaging- 3 hours
    - IAFIS Latent Searches 101- 3.5 hours
    - Luminol Vs Bluestar- 2 hours
  - Lectures:**
    - Aging and wound healing in friction ridge skin

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Improving method for fingerprint development on handguns  
Casting on road surfaces  
Mold making for Vibram Outsoles  
Schallamach marks in footwear impressions  
Processing guns for latent impressions  
Managing difficult footwear comparisons

- New England Division of the International Association of Identification Annual Training Conference, Burlington, Vermont, Nov 2005.
  - 1.5 hours "Forensics and the Media"
  - 2.5 hours Using Photoshop in the court room to shoe latent print identifications
  - 1.5 hours The physiology of making identifications
  - 1.5 hours Laboratory Quality control- F.B.I.
  - 1.5 hours Research into the differences between the lay person and a latent print expert
  - 2 hours Using Omnitrak
  - 2 hours Fingerprint evidence fabrication
  - 1.5 hours the Harry Oakes murder
- Footwear and Tire Impression Examination, F.B.I., U.S. Department of Justice, Quantico, Virginia, April 18-22, 2005 , 40 hour course
- New England Division of the International Association of Identification Annual Training Conference, Portland, Maine Nov. 2004
  - 1.5 hours Barefoot Morphology – Robert Kennedy RCMP
  - 2 hours reporting statistics in footwear exams - Robert Kennedy RCMP
  - 2 hours *Daubert* update – Steve Meager FBI
  - 1.5 hours Sole Searching – Mike Smith FBI
  - 3 hours tire examination workshop- Lawren Nause RCMP
- Detection and Enhancement of Latent Evidence, Henry Lee Institute, New Haven University, Oct. 2004
- Evidence Recognition, Collection and Documentation, Henry Lee Institute, New Haven University, Oct. 2004
- Multiple Major Crime Scenes Training, Gilead, Maine June 2004
- Annual Northeast Latent Print Forum, Connecticut State Crime Lab, April 2004
- New England Division of the International Association of Identification Annual Training Conference, Manchester, New Hampshire Nov 2003.
  - 1.5 hours Facial reconstruction
  - 2 hours Forensic mapping and analysis- using technology for documenting 2D and 3D crash, crime and fire scenes
  - 1 hour Fluorescein enhancement of blood prints
  - 1.5 hours Using Leuco-Crystal Violet for crime scene and laboratory enhancement of blood impressions
  - 8 hours Physical and fracture matching
  - 1.5 hours Collection and preservation of footwear impression evidence
- Blast Investigation Techniques, Department of Justice, Bureau of Alcohol, Tobacco and Firearms, July 2003



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- AFIS Users' Conference, Denver, Colorado, June 22nd-26th 2003
  - 4.5 hours Palm Print training- Ron Smith
  - 2 hours migrating from AFIS 2000 to Omnitrak
  - 1 hour AFIS 2000 questions and answers
  - 1 hour Improving latent hits on AFIS 2000
  - 1 hour Update on Daubert hearings- Steve Meager
  - 2 hours Encoding finger and palm prints on Omnitrak lecture and hands-on experience
- Forensic Identification Course, Canadian Police College, Royal Canadian Mounted Police, Ottawa, Canada. April 2003-June 2003

Fingerprint classification –Autoclass

Fingerprint development, analysis, preservation and comparisons.

Forensic photography, digital enhancement of fingerprints and court chart preparation.

Crime scene photography, sketching, collection and preservation of evidence.

Footwear and tire track detection, photography, recovery, examination and comparison.

Tire track and wheel base measurements

- AFIS LiveScan Operator Training, Printrak University 2003
- AFIS Latent Print Operator Training, Printrak University 2003
- Maine State Police Firearms Familiarization and Safety, Dec. 2002
- New England Division of the International Association of Identification Annual Training Conference, Newport, Rhode Island. Nov 2002
  - 2 Hours: Lecture on the importance of having suitably qualified persons making comparisons in fingerprint cases.
  - 2 Hours: Identification issues involving victims of the world trade center disaster.
  - 2 Hours: Lecture and video footage on serial homicides and dealing with multiple crime scenes.
  - 2 Hours: Identification issues involving victims of The Egypt Air Disaster.
  - 2 Hours: Lecture on Fluorescein and Diaminobenazidine (DAB) enhancement of bloody footwear impressions.
  - 2 Hours: Lecture on further “Daubert” issues that have developed since NEDIAI conference 2001.
  - 2 Hours: New England Area A.F.I.S. Users meeting discussion on AFIS entries with particular focus on AFIS hits.
  - 2 Hours: Formation of Friction Ridge Skin and Skin and Fingerprint Mutilation
- Palm Print Symposium, Sea Girt, New Jersey, Sept 2002
  - 24 hours of palm print pattern recognition and palm print comparisons.
- “Daubert” Legal Issues of Fingerprints in the Court Room, Steve Meager, FBI Latent Fingerprint Unit

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- Latent fingerprint training, Connecticut State Crime laboratory, Meriden, Connecticut, August 2002
  - 32 Training hours processing, recovery and documentation of latent fingerprints.
- Blood Borne Pathogens, Maine State Police Crime Laboratory June 2002
- Basic Police Photography, Maine Criminal Justice Academy May 2002
  - 40 hours of training on use of a 35mm camera to document evidence and crime scenes, including assignments and practical
- Basic Fingerprint Classification, Forensic Consultants of New England, LLC April 2002
  - 40 Hours in fingerprint pattern recognition and fingerprint comparisons.
- In-House Training Program, Maine State Police Crime Laboratory February 2002- July 2002
  - Over 500 hours of:
    - Reading, latent print comparisons and tests
    - AFIS and IAFIS training
    - Taking known footwear and tire impressions
    - Footwear and tire comparisons, wheelbase and crime scene measurements
    - Fingerprinting the deceased
    - Attending crime scenes
    - Competency and proficiency tests
    - Courtroom testimony

## **MEDIA PRESENTATIONS/ OUTREACH**

**Olympia Snowe Women's Leadership Institute**, May 30, 2019  
"Year End Celebration" Discussion on careers in Forensic Science

### **American Heart Association –STEM goes red for women**

- Keynote address – encouraging young women to pursue STEM education and research
  - Maine Medical Center Research Institute, Scarborough, ME 12/5/18
  - Husson University, Bangor, ME 3/7/2018

### **Maine Humanities Council's Think & Drink: What is a Criminal?**

Panel discussions on "Policing, Protection, Community, and Trust in the 21st Century"

- SPACE Gallery, Portland, ME 2/28/2017
- Orchids Restaurant, Madawaska, ME 6/27/2017

[Maine Science Podcast: Forensic Science](#) 2021

[Double Loop Podcast: Episodes 163 &164](#) 2018

[RTI Just Science Podcast: Just a Juror's Perception](#) 2018

[Forensic Files: A shoe-in for murder](#) 2010