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Curriculum Vitae

Dr. Alicia Brīd McCarthy Wilcox

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EDUCATION

Doctor of Philosophy in Forensic Science, 2017

University of Dundee, Dundee, Scotland

- 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

EMPLOYMENT

Thomas College, Waterville, Maine. September 2019- present

Associate professor of Forensic Science & Criminal Justice

President's task force for Equity and Diversity

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

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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

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:

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

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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

PROFESSIONAL ASSOCIATIONS

- International Association of Identification, Board of Directors
 - Student Advocacy Committee, Chair
- National Institute of Standards and Technology (NIST)
 - Organization of Scientific Area Committees (OSAC) for forensic sciences-
 - Footwear-Tire subcommittee member
 - 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 (STRP)- as needed
 - Footwear and Tire process Map Committee (2020)
- 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

CERTIFICATIONS/ AWARDS

- Certificate of Completion ANAB 17025 Technical Assessor Prep. Course (2022)
- Husson University, College of Business-scholarship award (2015)
- Maine State Police Special Award of Commendation (2013)
- 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-present)
- 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-present)
- Maine State Police Colonel's Award (2004)

EXPERT TESTIMONY

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

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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
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 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 29th 2010. Penobscot County Superior Court
Latent Print Testimony.

State of Maine v. Michael McDonald August 31st 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 Gurette. 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 12th 2010, Cumberland County
Superior Court. Manslaughter of Fred Wilson– Fingerprint testimony

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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 12th 2008, Kennebec Superior Court, Physical Matching

State of Maine v. Peter Tuller, March 25th 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. 8th 2006, Kennebec Superior Court
Grand Jury Review, Fingerprint and Footwear Testimony

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

U.S. v. Maxx Noble, 21st 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 21st 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 4th 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 3rd 2004, Bangor Superior Court
Homicide trial of Heather Sargent, Fingerprint testimony

State of Maine v. Santamu Basu, September 22nd 2003, Portland Superior Court
Homicide trail of Azita Jamshab, Fingerprint and Tire Impression Testimony.

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

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

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PRESENTATIONS AND COURSES INSTRUCTED

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 beginning to experienced examiners
- **Workshop**: Forensic Tire Comparisons

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

Chicago Police Department, Forensic Services Division

- May 16-20, 2022
- March 7-11, 2022

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

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

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 which 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

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- Factors which 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 which 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 which 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

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 8th, 2017 Springfield, MA

Committee for Public Counsel Services Training Symposium

Boston College School of Law, Massachusetts, June 9th, 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

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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 7th, 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. 31st, 2014

- Comparative sciences, conclusions and recent research

Negotiating Trial Motions

Harvard Law School, Cambridge, Massachusetts, June 21st, 2013

- Footwear Impression Evidence, complex eliminations and conclusions

Committee for Public Counsel Services Training Symposium

New England School of Law, Andover Massachusetts, Jan. 11th, 2013

- Footwear Impression Evidence and Daubert Challenges

National Institute of Justice, Impression and Pattern Evidence Symposium

Clearwater, Florida, August 6-9, 2012

- 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 21st 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

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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 20th, 2005.

CRIME SCENE PROCESSING

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

FORENSIC SCIENCE TRAINING RECEIVED

- 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

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- 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
- 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:

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Blood on Dark Surfaces: Why don't we see it? Netherland Forensic institute, 30 minutes
"Wherefore Art Thou...DNA" LeeAnn Singley. 30 minutes
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

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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
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

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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

- 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 **Itiel 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

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IAFIS Latent Searches 101- 3.5 hours

Luminol Vs Bluestar- 2 hours

Lectures:

Aging and wound healing in friction ridge skin

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

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1.5 hours Collection and preservation of footwear impression evidence

- Blast Investigation Techniques, Department of Justice, Bureau of Alcohol, Tobacco and Firearms, July 2003
- 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.

Updated: 8/10/22

- “Daubert” Legal Issues of Fingerprints in the Court Room, Steve Meager, FBI Latent Fingerprint Unit
- 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 Science Podcast: Forensic Science](#) 2021

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

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

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