

Guy W. Nutter

Forensic Scientist / Scene Investigator / Bloodstain Pattern Analyst

EDUCATION

1993 - 1998 Central Michigan University, Mt. Pleasant, Michigan

Bachelor of Science, Chemistry

PROFESSIONAL EXPERIENCE

Michigan Department of State Police, Forensic Science Division

Technical Leader of Crime Scene and Bloodstain Pattern Analysis, February 2015 to present

Michigan Department of State Police, Forensic Science Division, Lansing Forensic Laboratory

Technical Leader of Crime Scene and Bloodstain Pattern Analysis

Trace Evidence and Questioned Documents Lab Manager 15, August 2013 to February 2015

Michigan Department of State Police, Forensic Science Division, Lansing Forensic Laboratory

Trace Evidence and Questioned Documents Lab Manager 14, March 2013 to August 2013

Michigan Department of State Police, Forensic Science Division, Northville Forensic Laboratory

Trace Evidence Forensic Scientist, January 2001 to March 2013

Michigan Department of State Police, Forensic Science Division, Northville Forensic Laboratory

Biology/DNA Technician, March 1999 to January 2001

Michigan Department of State Police, Forensic Science Division, East Lansing Forensic Laboratory

Biology / Trace Evidence Intern, August 1997 to October 1998

CERTIFICATIONS

Certified Footwear Examiner by the International Association for Identification (2011 – 2016)

AWARDS

Organization of Scientific Area Committee – Crime Scene Investigation Subcommittee

Citation for Outstanding Meritorious Service – September 2019

Michigan State Police – Employee Recognition – January 2017, October 2016, February 2014, May 2013

Michigan State Police – Award for Professional Excellence – October 2013, June 2008, September 2003

Port Huron Police Department – Unit Citation Award – August 2010

Federal Bureau of Investigation – Investigative Recognition – 2006

Westland Police Department – Certificate of Merit – 2005

Southfield Police Department – Civilian Citation – 2005

American Academy of Forensic Sciences – Regional Award – 2005

Midwestern Association of Forensic Scientists – New Scientist Award – 2004

PROFESSIONAL ORGANIZATIONS

Association of Forensic Quality Assurance Managers – Full Member 2021 - present

Organization of Scientific Area Committees (OSAC), Crime Scene Investigation Subcommittee Member 2016 – 2019

Organization of Scientific Area Committees (OSAC), Crime Scene Investigation Subcommittee Affiliate 2019 – 2021

Midwestern Association of Forensic Scientists - Regular Member 2002 – present

Board of Directors, Secretary, 2009 – 2012

Membership Committee Member, 2008 & 2009

Board of Directors, Member-at-Large, 2007 & 2008

Research Committee Chair, 2007 & 2008

2007 Fall Meeting – Program Chair and Workshop Chair

International Association for Identification – Active Member 2005 – present

International Association of Bloodstain Pattern Analysts – Member 2010 – present

American Society of Crime Laboratory Directors – Member 2014 - Present

American Academy of Forensic Sciences – Member 2004 – 2015

American Society of Trace Evidence Examiners – Charter Member 2010 - 2015

EDUCATIONAL PRESENTATIONS

Oakland University. Pre-Health Commons Organization, *Bloodstain Pattern Analysis*, 11/20/2017

McLaren Oakland. EMS Symposium, *Crime Scene Preservation*. 1hr lecture. 1/2016

Allegiance Health. Trauma Grand Rounds 2015. *CSI Jackson: Evidence Preservation in Health Care*. 1hr lecture. 12/2015

University of Windsor. Trends in Forensic Science. *Trace Evidence Under the Magnifying Lens*. 3/2014

Arizona Forensic Science Academy – Maricopa County Sheriff's Office Training Center (Arizona).

Trace Evidence – The Bad Guys Still Don't Know About It. 4hr Lecture. 11/2013

Phoenix Police Department (Arizona). *Trace Evidence Workshop*. 1 day. Lead Instructor. 11/2013

Michigan State Police Recruit School. *Forensic Science and Crime Scene Investigation*. Lead Instructor. 1/2013 – Present

Michigan State University. Impression Evidence, Bloodstain Pattern Analysis, and Crime Scene Investigation lectures, Forensic Science Graduate Students. 1/2012 - Present

Michigan Department of Agriculture and Rural Development. *Crime Scene Documentation and Evidence Collection*. 1 day. Lead Instructor. 5-2013

Michigan State Police, *Forensic Academy, Crime Scene Management*. Lead Instructor. 3/2013 – 9/2013

Michigan State Police. *Evidence Technician Training*, Documentation, Photography, Trace Evidence, Footwear/Tire, BPA, 7/2013 – Present

US Department of Homeland Security ERT. *Crime Scene Management*. Lead Instructor. 7/2013

- Forensic Professional Resources.**
- *Basic Crime Scene Photography*. 1-2 day. Lead Instructor. 2008 – 2016
 - *Impression Evidence*. 2-day. Lead Instructor. 2008 – 2016
 - *Recognition of Bloodstain Patterns*. 1 day. Lead Instructor. 2008 - 2016

Detroit Police Department. *Evidence Technician Training*. Trace, Footwear, Photography. Instructor 12/2008

Target. *Loss Prevention Evidence Collection*. Trace, Footwear, Photography. Instructor. 2005 - 2006

Monroe County Sheriff Department. *Evidence Collection for the Patrol Officer*. Trace, Footwear. Instructor 2004

Schoolcraft College. *Evidence Technician Workshop*. Trace, Footwear, BPA, Mock Scenes. Instructor. 2003 - 2007

Schoolcraft College. *Criminal Justice 209 – Basic Criminalistics*. Part-time Faculty. 2002 - 2010

School and Community Presentations, 2000 - Present

PRESENTATIONS AT PROFESSIONAL MEETINGS

Michigan Association of Medical Examiners, 2017 Conference, Crime Scene Process and Bloodstain Pattern Analysis, October 2017, Mt. Pleasant, MI

National District Attorneys Association, Prosecuting Homicide Cases, *The Application of Bloodstain Patterns to Violent Crime Scenes*, May 2016, Phoenix, AZ

Midwestern Association of Forensic Scientists. 2015 Fall Meeting. Mackinac Island, MI

- *Crime Scene Management*. 4hr Workshop. Lead Instructor
- *Crime Scene Safety*. 4hr workshop. Co-Instructor
- *Basic Photography*. 8hr workshop. Lead Instructor

International Association for Identification. 2012 IAI Educational Conference. *Essential Trace Evidence Collection*. 2hr workshop. Lead Instructor. Phoenix, AZ

International Association for Identification. 2012 IAI Educational Conference. *Trace Evidence – The Bad Guys Still Don't Know About It*. ½ hr lecture. Phoenix, AZ

Midwestern Association of Forensic Scientists. 2011 Fall Meeting. *Trace and DNA, Like Peanut Butter and Jelly – A Case Study*. ½ hr lecture. Lombard, IL

SAFS/MAFS/MAAFS/SWAFS Combined Meeting. 2009 Fall Meeting. ½ hr lectures. Orlando, FL

- *Caps and Tamper Bands – A Match Almost Made in Heaven*
- *X-Rays, Layered Low Explosive Powders and BB Bottles... Will It Go Boom?*

Midwestern Association of Forensic Scientists. 2005 Fall Meeting. *Air Bag Singeing Causing Discoloration of Cotton Fibers*. ½ hr lecture. St. Louis, MO

Midwestern Association of Forensic Scientists. 2004 Combined Meeting. *The Characterization of Automobile Body Fillers*. ½ hr lecture. Co-presenter. Orlando, FL

Midwestern Association of Forensic Scientists. 2003 Fall Meeting. Analysis of Hodgdon Triple Seven Powder. ½ hr lecture. Columbus, OH

PUBLICATIONS IN PROFESSIONAL JOURNALS

Journal of Forensic Sciences. *The Characterization of Automobile Body Fillers*. January 2008. Volume 53. Number 1

Midwestern Association of Forensic Scientists. *Discoloration of Black Cotton Fibers by the Application of Heat (Air Bag Singeing)*. Summer 2005 Newsletter

SPECIALIZED TRAINING RECEIVED

Practical Forensic Photography Workshop, Michigan State Police Training Academy, October 2000

Forensic Microscopy, McCrone Research Institute, April 2001

Expert Witness School, Michigan State Police Training Academy, May 2001

Detection and Examination of Footwear Impression Evidence, Grayling, MI, August 2001

Medicolegal Investigation of Death, Dearborn, MI, April 2002

Examination of Tire Tread and Tire Track Evidence, Grayling, MI, July 2002

Advanced FT-IR Microscopy, McCrone Research Institute, September 2002

Fabric Impressions, Midwestern Association of Forensic Scientists Workshop, September 2002

Bloodstain Pattern Analysis, Battle Creek Police Department, Mike Van Stratton and Kelly Robbins, December 2002

Forensic Paint Examination, Midwestern Association of Forensic Scientists Workshop, May 2003, Scott Ryland

Fracture Match Theory Workshop, Midwestern Association of Forensic Scientists Fall 2003 Meeting, October 2003, Steven McKasson

Airbag Examination Workshop, Midwestern Association of Forensic Scientists Fall 2003 Meeting, October 2003, Glenn Schubert

Advanced Fiber Microscopy Workshop, Midwestern Association of Forensic Scientists Workshop, May 2004, Bill Chapin, Scott Stoeffler, John Delly, Peter Cook

Infrared Spectroscopy 1. Interpretation of Infrared and Raman Spectra, Bowdoin College, July 2004, Dr. James A. de Haseth, Dr.

Peter R. Griffiths, Dr. Robert W. Hannah, Dr. Dana W. Mayo

Analysis and Investigative Value of Pipes, Pipe Fittings and Explosive Fillers in Improvised Explosive Devices, Midwestern

Association of Forensic Scientists Fall 2004 Meeting, September 2004, Edward Bender

Bloodstain Pattern Analysis for the Forensic Scientist, Midwestern Association of Forensic Scientists Fall 2004 Meeting, September 2004, Paul Kish

Introduction to Forensic Examinations of Pressure Sensitive Tape, Midwestern Association of Forensic Scientists Spring Workshop, April 2005, John Johnston, Jenny Smith, Will Randle

Forensic Applications of Textiles, North Carolina State University, August 2005, Jan Pegram, Leon Moser, David Hinks

Collection, Documentation and Preservation of Footwear & Tire Track Impression Evidence, Michigan State Police Training Division,

International Association for Identification, January 2006, Dwane Hilderbrand

Advanced Bloodstain Pattern Analysis, Norman (Oklahoma) Police Department Training Center, February 2006, Tom Bevel

Chemistry of Pyrotechnics, Midwestern Association of Forensic Scientists Spring Workshop, May 2006, Dr. John Conkling

SPECIALIZED TRAINING RECEIVED (Continued)

Courtroom Testimony Techniques – Success Instead of Survival, IAI Workshop, Lansing, MI, May 2006, Ron Smith (Ron Smith & Associates, INC)

Advanced Trace Evidence Symposium, Midwest Forensic Resource Center, Ames, IA, June 2006

Preparation for Bloodstain Pattern Certification, International Association for Identification Conference Workshop, Boston, MA, July 2006, Michael Van Stratton and Jeffrey Gurvis

Bloodstain Patterns on Clothing, International Association for Identification Conference Workshop, Boston, MA, July 2006, Michael Van Stratton and Tom Griffin

Vehicle Lamp Examination, Midwestern Association of Forensic Scientists Workshop, Indianapolis, IN, October 2006, Richard Dinehart

Forensic Examinations of Pressure Sensitive Tape, Michigan State Police –Trace Evidence Unit Meeting, Grayling, MI, July 2007, Jenny Smith and Will Randle

2007 Trace Evidence Symposium, National Institute of Justice, Clearwater Beach, FL, August 2007

Forensic Role of Bomb Squads in Explosive Scene Investigation, Midwestern Association of Forensic Scientists Fall Meeting Workshop, Traverse City, MI, September 2007, Dan Ketvirtis & Ashland Bray

Lessons Learned from Teaching Digital Photography, Midwestern Association of Forensic Scientists Fall Meeting Workshop, Des Moines, IA, October 2008, Larry Dow

Forensic Light Source Theory and Application, Midwestern Association of Forensic Scientists Fall Meeting Workshop, Des Moines, IA, October 2008, Larry Dow

Fingerprint and Trace Evidence Detection and Collection on Skin, Ron Smith and Associates, Inc, Lansing, MI, October 2008, Brian Dalrymple, John Norman, Lesley Hammer

2009 Trace Evidence Symposium, National Institute of Justice, Clearwater Beach, FL, August 2009

Infrared Spectral Interpretation, Trace Evidence Symposium, National Institute of Justice, Clearwater Beach, FL, August 2009, Mary Carrabba and Edward Suzuki

Forensic Palynology, Trace Evidence Symposium, National Institute of Justice, Clearwater Beach, FL, August 2009, Vaughn Bryant and Karl Reinhard

Advanced Trace Elemental Analysis, Trace Evidence Symposium, National Institute of Justice, Clearwater Beach, FL, August 2009, Jose Almirall, JoAnn Buscaglia, Robert Koons, Scott Ryland, Tatianna Trejos

Bloodstain Pattern Analysis Symposium, Midwest Forensic Resource Center, Ames, IA, August 2009

The Instrumental Analysis of Low Explosives, SAFS/MAFS/MAAFS/SWAFS Combined Meeting, Orlando, FL, October 2009, Ed Bender (ATF)

The Use of Metal Detectors for the Recovery of Metallic Evidence, International Association for Identification Conference Workshop, Spokane, WA, July 2010, King C. Brown and M. Dawn Watkins

Applying the Scientific Method to Bloodstain Pattern Analysis Using Practical Exercises, International Association for Identification Conference Workshop, Spokane, WA, July 2010, Mike Van Stratton and Holly Latham

Fundamentals of Forensic Digital Image Processing for Footwear and Tire Impressions, International Association for Identification Conference Workshop, Spokane, WA, July 2010, David "Ski" Witzke

Event Analysis Used for Crime Scene Reconstruction, International Association for Identification Conference Workshop, Spokane, WA, July 2010, Tom Bevel and Ross M. Gardner

Impression and Pattern Evidence Symposium, National Institute of Justice, Clearwater Beach, FL, August 2010

Analyst Reports: Do Your Written Conclusions Reflect Your Testimony, Impression and Pattern Evidence Symposium, August 2010, Ballou, Thompson, Schubert, Freeman and Funk

Advanced Microspectroscopy Training, Michigan State Police Trace Evidence Unit Meeting, August 2010, Dr. Paul Martin

Introduction to Microchemical Testing for Trace Evidence Analysts, Midwestern Association of Forensic Scientists Meeting, Kansas City, MO, October 2010, Skip Palenik

PowerPoint for Forensic Science, Midwestern Association of Forensic Scientists Meeting, Kansas City, MO, October 2010, Tom Manson

Microscopical Identification of White-Powder Unknowns, Hooke College of Applied Sciences, Westmont, IL, February 2011

The Fluid Dynamics of Bloodstain Pattern Formation, The Institute of Environmental Science and Research / Midwest Forensics Resource Center / University of Canterbury / Minnesota Bureau of Criminal Apprehension, St. Paul, Minnesota, April 2011, Michael Taylor and Mark Jermy

Crime Scene Reconstruction I, Bevel, Gardner & Associates, Lansing, MI, June 2011, Tom Bevel and Iris Dailey

Introduction to Shooting Scene Reconstruction, Midwestern Association of Forensic Scientists Meeting, Lombard, IL, September 2011, Nat Pearson

Gas Chromatography – Mass Spectrometry, Michigan State Police Trace Evidence Unit Meeting, April 2012, Evaldo De Armas

Demystifying Error Rates, International Association for Identification Conference, July 2012, Glenn Langenburg

Adding ACE-V Methodology to Footwear Bench Notes, International Association for Identification Conference, July 2012, M. Leanne Gray

Scanning Electron Microscopy (5-days), Hooke College of Applied Sciences, October 2012, Wayne Niemeyer, Kent Rhodes, Joseph Rebstock, Craig Schwandt

Emotional Intelligence for Today's Leaders, (1-day), Lansing Forensic Laboratory, May 2013, Darby Pifer

PowerPoint for Public Safety, (2-day), Police Technical, Trace Evidence Unit Meeting, Midland, MI, June 2013, Thomas Manson

Forensic Leadership Academy, (5-days), West Virginia University, Lansing, MI, September 2013, Multiple instructors

Accreditation in the Latent Print and Crime Scene Disciplines, (4hr), International Association for Identification Conference, July 2015

Photographing the Blood Event Scene (4hr), International Association for Identification Conference, July 2015

iPhone, iPad and Smartphone Apps for Crime Scene Investigation (2hr), International Association for Identification Conference, July 2015

ASCLD/LAB Assessor Course for Testing Laboratories (32hr), ASCLD-LAB, Henderson, NV, December 2015

Cause Mapping (24hr), Think Reliability, Northville, MI, June 13 – 15, 2017

SPECIALIZED TRAINING RECEIVED (Continued)

Advanced Reconstruction and Major Scene Logistics (40hr), National Crime Investigation and Training, Grand Rapids, MI, September 11 – 15, 2017

Hemostaseology and It's Meaning for Bloodstain Pattern Analysis (4hr), 2018 International Association of Bloodstain Pattern Analysis Conference, Ottawa, Ontario, Canada, October 2018

A Proper Bloodstain Pattern Analysis – From Analysis to Courtroom (4hr), 2018 International Association of Bloodstain Pattern Analysis Conference, Ottawa, Ontario, Canada, October 2018

Forensic Pathology and Bloodstain Patterns (4hr), 2019 MSP Bloodstain Pattern Analysis Unit Meeting, Northville, MI, May 2019
Intro to Bloodstain Pattern Analysis on Fabrics/Digital Case Examination Advanced Training Workshop (40hr), Grand Rapids, MI, May 2019, Toby Wolson and LeeAnn Singley

Overview of ISO/IEC 17025:2017 and the ANAB Forensic Accreditation Requirements (AR 3125) (16hr), Lansing, MI, December 2019

Scientific Foundations of Bloodstain Pattern Analysis (1.5hr), virtual, October 2020, Jeremiah Morris

10th Annual Forensic Science Symposium (20hr), virtual, June 2021, various instructors/presenters

AFQAM Annual Training Conference (24hr), virtual, October 2021, various instructors/presenters

Shooting Incident Reconstruction (40hr), Ann Arbor, MI, November/December 2021, James P. Molinaro (Forensic Training Source)

Forensic Photography Symposium (24hr), virtual, January 2022, various instructors/presenters

Advance Shooting Incident Reconstruction (40hr), Ann Arbor, MI, October 2022, James P. Molinaro and Howard Ryan (Forensic Training Source)

