

Jay M. Stuart

Prime Forensic Consulting

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Education

Bachelor of Science in Chemistry w/ Criminalistics Emphasis

- Metropolitan State College of Denver, Denver, CO (August 1999 - December 2003)

Professional Experience

Prime Forensic Consulting

- Independent Forensic Services (January 2015 - Present)

Albuquerque Police Department

- Technical Leader – Firearm/Tool Mark Unit (January 2021 - January 2025)
- Firearm/Tool Mark Unit (March 2020 - Present)
- Acting Firearm/Tool Mark Unit Supervisor (April 2021 – August 2021)
- Scientific Evidence Division Manager (August 2017 - March 2020)
- Technical Leader – Firearm/Tool Mark Unit (July 2013 - August 2017)
- Firearm/Tool Mark Unit (February 2006 - August 2017)
- Major Crime Scene Team (August 2010 - August 2017)

Southeast Missouri Regional Crime Laboratory

- Firearm/Tool Mark Examiner (December 2003 - February 2006)

Professional Memberships

Association of Firearm and Tool Mark Examiners (AFTE)

- Distinguished Member (September 2009 - Present)
- Regular Member (May 2008 - September 2009)
- Provisional Member (September 2004 - May 2008)
- AFTE Presidential Recognition (2022)
- AFTE Presidential Recognition (2016)
- Steve Molnar Key Person of the Year Award Recipient (2015)
- AFTE Electronic Resource Committee (June 2013 - Present)
- AFTE Training Seminar Steering Committee – Co-Chair (June 2013 - 2017)
- AFTE Annual Training Seminar Host Committee (2012 - 2021)
- 2013 AFTE Annual Training Seminar Host Committee – Chair (May 2011 - June 2014)
- AFTE Webmaster (May 2010 - Jan 2021)
- Digital Reference Collection Committee (May 2010 - May 2012)
- Web Oversight Committee (June 2008 - May 2010)
- Referee Lab Selection Committee (June 2007 - May 2015)

Southwestern Association of Forensic Scientists (SWAFS)

- Regular Member (July 2012 - Present)

American Academy of Forensic Sciences (AAFS)

- Associate Member (February 2013 - Present)

American Society of Crime Laboratory Directors (ASCLD)

- Regular Member (May 2017 – January 2021)

Certifications & Licenses

5/19-Present	NFSA – Certified Forensic Manager - I
4/16-Present	ANAB Certified Technical Assessor
9/15-4/16	ASCLD/LAB-<i>International</i> Qualified Assessor
4/12-12/24	AFTE Firearm Examination and Identification Certification
4/12-12/24	AFTE Gunshot Residue Examination and Identification Certification
3/12-12/24	AFTE Tool Mark Examination and Identification Certification
1/12-Present	National Career Readiness Certificate – Gold
1/11-1/15	Smith & Wesson M&P15 Armorer
6/10-6/14	Smith & Wesson M&P9 Armorer
9/08-9/11	Beretta Armorer
9/08-9/11	Sig Sauer Armorer
12/07-Present	New Mexico Department of Public Safety Professional Lecturer
5/07-Present	NRA Certified Instructor <ul style="list-style-type: none">▪ Pistol▪ Home Firearm Safety▪ Range Safety Officer▪ Rifle▪ Shotgun▪ Personal Protection in the Home
5/07-Present	Hi-Point Armorer
6/05-6/08	Kahr Arms Armorer
4/04-9/09	Glock Armorer

Professional Conferences

Association of Firearm and Tool Mark Examiners (AFTE)

2023-Austin, TX 2022-Atlanta, GA 2021-Miami, FL
2017-Denver, CO 2016-New Orleans, LA 2015-Dallas, TX
2014-Seattle, WA 2013-Albuquerque, NM 2012-Buffalo, NY
2011-Chicago, IL 2010-Henderson, NV 2009-Miami, FL
2007-San Francisco, CA 2005-Indianapolis, IN

American Society of Crime Lab Directors (ASCLD)

2019-St. Louis, MO 2018-Atlanta, GA

Western Regional Crime Lab Directors

March 2019-Salt Lake City, UT

SHOT Show

2004, 2005, 2008, 2011, 2014, 2015-Las Vegas

Association of Crime Scene Reconstruction (ASCR)

2006-Albuquerque, NM

Midwestern Association of Forensic Scientists (MAFS)

2005-St. Louis, MO 2003-Columbus, OH

American Academy of Forensic Sciences (AAFS)

2004-Dallas, TX 2003-Chicago, IL

Training & Workshops

4/24	Daubert Preparation Arthur Andrade
2/24	Qualifications of an Expert Witness - The Daubert Standard (Web Series) Forensic Technology Center of Excellence
5/23	Blind Testing and Blind Verification in Firearms Donna Eudaley, Annalivia Harris, Callan Hundl, Maddisen Neuman
5/23	Less Lethal Forensics Rick Wyant
4/23	Glock: History, Manufacturing, and Evolution (Webinar) Omar Felix
4/22	Ammunition Reloading – Forensic Identification Issues Nancy McCombs
6/20-7/20	Effective Preparation for Evidentiary Hearings (Web Series) Ron Nichols
2/19-5/19	ASCLD Leadership Academy Jeremy Triplett, Ben Swanholm, Tim Scanlan, Jody Wolf

- 4/19 **From A to Z: The Grant Writing Process Webinar**
Foundant for Grantseekers
- 5/18 **Process Performance Data and Root Cause Analysis**
Heather Jamieson
- 5/18 **A 3-Year Success Plan for Comparative Evidence and Biology/DNA**
Pamela Hofsass
- 5/18 **Obtaining and Maintaining a Path to the Future in Forensic Organizations**
Jennifer Naugle
- 3/18 **ANAB Auditing Principles**
ANAB Web-based Training
- 3/18 **ANAB Delta to AR 3028 - Assessors**
ANAB Web-based Training
- 5/17 **The Reconstruction of Vehicle Shootings**
Luke Haag, Forensic Science Services, Inc.
- 5/17 **Bloodstain Pattern Recognition**
Sgt. Richard Mathews, New Mexico State Police
- 9/16 **DNA Evidence Collection**
Alana Williams, Albuquerque Police Department - DNA Unit
- 6/16 **National World War II Museum Tour**
AFTE 2016
- 6/16 **Report Writing and Testimony for Shooting Incident Reconstruction**
Deputy Chief Tim Scalan, Jefferson Parish Sheriff's Office
Deputy Jene Rauch, Jefferson Parish Sheriff's Office
- 5/16 **Practical Shooting Incident Reconstruction**
Deputy Chief Tim Scalan, Jefferson Parish Sheriff's Office
Deputy Jene Rauch, Jefferson Parish Sheriff's Office
- 5/16 **Subclass Characteristics**
Nancy D. McCombs, FATE Forensic Instruction
- 7/15 **ASCLD/LAB Assessor Course for Testing Laboratories**
Anja Einseln, ASCLD/LAB
- 6/15 **Cognitive Factors in Forensic Decision Making**
Dr. Itiel Dror, Cognitive Consultants International
- 5/15 **Projectile Deflection Caused by Intermediate Objects**
Matt Noedel, Noedel Scientific

Dan Alessio, Oregon State Police

- 5/15 **Metallurgy for the Non-Metallurgist**
Dr. Dana Medlin, Engineering Systems Inc.
- 10/14 **Forensic Science and the Law**
New Mexico Department of Public Safety
- 10/14 **Advanced Firearm Technology and Testimony**
Daniel O'Kelly, International Firearm Specialist Academy
- 8/14 **Toolmarks on Reloaded Ammunition**
Axel Manthei, Manthei Mess Systeme
- 6/14 **Magneto-Optical Sensor Training**
Jason Butell, Johnson County Crime Lab
- 6/14 **APD Patrol Rifle Certification Course**
David E. Bartram, Albuquerque Police Department
- 6/14 **APD Patrol Rifle Optics Certification Course**
David E. Bartram, Albuquerque Police Department
- 5/14 **Shooting Reconstruction: 4 Elements of Trajectory - Webinar**
Aaron Brudenell, Arizona DPS
- 5/14 **Rusted Firearms**
Derek Mears, Salt Lake City Police Department
- 5/14 **Ammunition and CartWinPro**
Axel Manthei, Bavarian State Bureau of Investigation
- 5/14 **Make & Shoot Black Powder**
Jeff Jagmin & Janice Wu, Washington State Patrol
- 11/13 **Shooting Reconstruction**
West Virginia University Extended Learning Program
- 5/10 **Wound Ballistics**
Hal Price, ATK Armament Systems
- 5/10 **Examination of Electronic Control Devices (Taser)**
Rick Wyant, CRT Less-Lethal, Inc.
- 5/10 **Contemporary Issues in Firearms Identification**
Ron Nichols, Bureau of Alcohol, Tobacco, Firearms and Explosives
Andy Smith, San Francisco Police Department
- 1/10 **Lock Picking, Lock Bypassing & Subtle Breaching Techniques**
Dan Elting, Jericho Specialized Entry Training
- 8/08 **Forensic Science Seminar**
New Mexico Office of the Medical Investigator

4/08 **FBI Gunpowder and Gunshot Residue School**
John Webb, FBI Firearm/Tool Mark Unit
Brandon Giroux, FBI Firearm/Tool Mark Unit
George Bedish, FBI Firearm/Tool Mark Unit

2/08 **Ethics in Forensic Science**
West Virginia University Extended Learning Program

8/07 **IBIS Data Acquisition Training**
Petar Zencovich, Forensic Technology, Inc.

6/07 **Forensic Shooting Scene Reconstruction Course**
Michael Haag, Forensic Science Consultants Inc.

6/07 **Scientifically Defensible Criteria for the Identification of Tool Marks**
John Murdock, Bureau of Alcohol, Tobacco, Firearms and Explosives
Bruce Moran, Sacramento Co. DA Laboratory of Forensic Services

5/07 **ISO Standards and Firearms and Tool Marks**
Larry Lorsbach, ASCLD/LAB

10/06, 12/06 **Leica Geosystems High-Definition Surveying Scanner**
Tim Woodruff, Leica Geosystems

7/06 **Basic Field Investigation**
L.T. Guenther, Albuquerque Police Department

6/06 **Wound Ballistics**
Stephen McGrory, Alliant Techsystems (ATK)

5/06 **Soft Body Armour Workshop**
First Choice Body Armour Representative

2/06 **Proper Trajectory Measurement**
Mike Haag, Albuquerque Police Department

2/06 **Crime Scene Photography Techniques**
Jerry Goffe, Board of Directors (EPIC)

10/05 **Full-Auto Conversion**
Rick Vasquez, BATF Firearms Technology Branch

10/05 **Firearm Restoration – Electrolytic Rust Removal**
Kathleen Green, MSHP Crime Lab

5/05 **Applied Polarized Light Microscopy**
Sebastian Sparenge, McCrone Research Institute

3/05 **Bloodstain Pattern Interpretation**
Michael Van Stratton, Kansas Bureau of Investigation

- 3/05 **Firearm Safety Training**
Thomas Beardslee, SEMO Police Academy
- 3/04-3/05 **BATF National Firearms Examiner Academy**
Various Instructors, BATF National Laboratory
- 2/04 **Setting Up a Digital Evidence Unit & Preparing for Accreditation**
Carrie Whitcomb, National Center for Forensic Science
- 10/03 **Fracture Match Theory**
Stephen McKasson, Document Consulting Service
- 7/03-11/03 **Internship, Southeast Missouri Regional Crime Laboratory**
- 7/02-8/02 **Internship, Denver County Coroner's Office**

ANAB Technical Assessments

- 9/22 New Hampshire State Police – Forensic Laboratory
- 2/16 Wyoming Division of Criminal Investigation

Firearm & Ammunition Factory Tours

- 6/22 **G2 Research (Ammunition)**
Winder, GA
- 3/13 **Elysium Arms (Firearms)**
Raton, NM
- 10/05 **Olin-Winchester (Ammunition)**
East Alton, IL
- 10/04 **Charter 2000, Inc. (Firearms)**
Shelton, CT
- 10/04 **Colt Manufacturing Company (Firearms)**
Hartford, CT
- 10/04 **H&R 1871, LTD (Firearms)**
Gardner, MA
- 10/04 **Kahr Arms (Firearms)**
Worcester, MA
- 10/04 **U/S/ Fire-Arms Manufacturing Company, Inc. (Firearms)**
Hartford, CT
- 10/04 **Winchester/U.S Repeating Arms Company (Firearms)**
New Haven, CT

10/04 **Connecticut Shotgun (Shotguns)**
New Britain, CT

10/04 **Drill Master/Eldorado Tool (Rifling Buttons & Deep Hole Drills)**
Milford, CT

10/04 **Lyman Products, Inc. (Reloading Tools and Molds)**
Middletown, CT

8/04 **Remington (Ammunition)**
Lonoke, AR

8/04 **Heckler & Koch (Firearms; U.S. Distribution Center)**
Sterling, VA

8/04 **Marlin (Firearms)**
North Haven, CT

8/04 **O. F. Mossberg & Sons (Shotguns)**
North Haven, CT

8/04 **Savage Arms, Inc. (Firearms)**
Westfield, MA

8/04 **SIGARMS (Firearms)**
Exeter, NH

8/04 **Smith & Wesson (Firearms)**
Springfield, MA

8/04 **Sturm, Ruger and Company, Inc. (Firearms)**
Newport, NH

8/04 **BURBAK Companies (Injection-molded Handgun Frames)**
Wilton, NH

8/04 **National Firearms Museum**
Fairfax, VA

8/04 **Springfield Armory National Historic Site**
Springfield, MA

Forensic Laboratories & Other Institutions Visited

4/22 **Oregon State Police – Portland Metro Forensic Laboratory**
Clackamas, OR

3/19 **Salt Lake City Police Department**
Salt Lake City, UT

3/19 **Utah Bureau of Forensic Sciences**
Salt Lake City, UT

- 5/16 **Jefferson Parish Crime Laboratory**
New Orleans, LA
- 5/14 **Washington State Patrol Crime Laboratory**
Seattle, WA
- 11/09 **New Mexico Department of Public Safety Crime Laboratory**
Santa Fe, NM
- 10/09 **Kentucky State Police - Jefferson Regional Forensic Laboratory**
Louisville, KY
- 4/08 **Miami-Dade Police Department - Crime Laboratory Bureau**
Miami, FL
- 8/04 **BATF Firearms Technology Branch**
Martinsburg, WV
- 7/04 **BATF National Laboratory**
Ammendale, MD
- 10/03 **Ohio Bureau of Criminal Identification & Investigation**
London, OH
- 10/03 **Missouri State Highway Patrol Crime Laboratory**
Jefferson City, MO

Publications/Research Projects

- 2018 **Chapter 8: Firearms Evidence: Documentation, Collection and Preservation**
Forensic Evidence Management - ISBN: 978-1-4987-7718-6
- 4/13 **Cartridge Mismatch: 9x19mm in a 357 SIG**
AFTE Journal, Volume 45, Number 2, Spring 2013
- 6/11 **The Importance of Choosing the Correct Medium for
Known Distance Shots**
AFTE Journal, Volume 43, Number 3, Summer 2011
- 6/09 **A Color-Coding System For NIBIN Test Fires**
AFTE Journal, Volume 41, Number 3, Summer 2009
- 3/09 **Ejection Patterning – Standard Testing and the Effects of
Non-Standard Angles, Orientations, and Maneuvers**
AFTE Journal, Volume 41, Number 2, Spring 2009
- 9/08 **The Bullet Vacuum: A Water Tank Addition**
AFTE Journal, Volume 40, Number 4, Fall 2008
- 12/08 **Bullet Cannelures: Can They Be Used to Link a Scene
Bullet to a Suspect Box of Ammunition**

Lectures/Papers Given

- 7/15 **The Effects of Bias in Forensic Science**
Albuquerque Police Department, Albuquerque, NM
- 5/14 **1260 Smith & Wesson M&P9 Pistols Inter-Compared Using MatchPoint: An Evaluation of the Science of Firearm and Tool Mark Identification**
45th Annual AFTE Training Seminar, Seattle, WA
- 6/12 **AFTE 2013 Update**
43rd Annual AFTE Training Seminar, Buffalo, NY
- 5/10 **AFTE Website Advances**
41st Annual AFTE Training Seminar, Henderson, NV
- 3/05 **Bullet Cannelures: Can They Be Used to Link a Scene Bullet to a Suspect Box of Ammunition**
BATF National Firearms Examiner Academy, Phase IV

Instructor

- 10/20 **Shooting Incident Reconstruction Course**
Albuquerque Police Department
- 6/12 **Shooting Incident Reconstruction: 3D Laser Scanning, Uncertainty, and Experimental Set-up**
43rd Annual AFTE Training Seminar, Buffalo, NY
- 2011-Present **June Jubilee**
New Mexico 2nd Judicial District, District Attorney's Office
- 2007-Present **APD Field Investigator/Crime Scene Specialist Training - Firearm/Tool Marks**
Albuquerque Police Department
- 2007-Present **APD Cadet Training - Firearm/Tool Marks**
Albuquerque Police Department
- 2006-Present **OMI Fellow Training - Firearm/Tool Marks**
Albuquerque Police Department
- 2006-Present **APD Citizen CSI Class - Firearm/Tool Marks**
- 2006-Present **APD Junior CSI Class - Firearm/Tool Marks**
- 2006-Present
2003-2006 **APD Junior Police Academy – Firearm/Tool Marks**
Collection and Preservation of Evidence (CJ350) – FA/TM Section
Southeast Missouri State University

2003-2006

Forensic Microscopy (FS550) – FA/TM Section
Southeast Missouri State University