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Curriculum Vitae **Matthew J. Marvin, CLPE, CFWE**

Professional Specialties

Latent Print Examination / Footwear/Tire Track Examination / Crime Scene Examination

Experience

2012 – Present Senior Consultant /Latent Print Technical Manager, Latent Prints, Footwear, Tire Track Examination
Ron Smith and Associates, Inc., Collinsville, MS

2010-2012 Contractor
Ron Smith and Associates, Inc., Collinsville, MS

2011-2012 Criminal Investigator II / Technical Leader Latent Prints, Footwear and Tire Tracks
Colorado Bureau of Investigation, Grand Junction, CO

2007-2011 Criminal Investigator II / Laboratory Agent, Latent Prints
Colorado Bureau of Investigation, Grand Junction, CO

2006-2007 Criminal Investigator II / Laboratory Agent, Latent Prints
Colorado Bureau of Investigation, Pueblo, CO

2004-2006 Criminal Investigator I / Laboratory Agent, Latent Prints
Colorado Bureau of Investigation, Pueblo, CO

2002-2004 Criminal Investigator Intern, DNA
Colorado Bureau of Investigation, Pueblo, CO

2002 Materials Handler III, Evidence Custodian
Colorado Bureau of Investigation, Pueblo, CO

2001-2002 Student Intern, various disciplines
Colorado Bureau of Investigation, Montrose, CO

Education

2002 Principles of Biochemistry, University of Wyoming
1997 - 2001 B.S., Biology, Mesa State College (Colorado Mesa University), Cum Laude

Training Received

International Association for Identification 103rd International Educational Conference, San Antonio, TX, 2018
(40 hrs)

International Association for Identification 102nd International Educational Conference, Atlanta, GA, 2017
(40 hrs)

International Association for Identification 101st International Educational Conference, Cincinnati, OH, 2016
(40 hrs)

Fingerprint Comparison: Is there anything wrong with the probabilistic approach?, Sacramento, CA, 2015

(2.5 hrs)
International Association for Identification 100th International Educational Conference, Sacramento, CA, 2015
(40 hrs)
Examination of Footwear Impression Evidence from Outsole Design to Identification, Minneapolis, MN, 2014
(4 hrs)
Evidence Detection Using Forensic Light Sources from 254nm to over 1000nm, Minneapolis, MN, 2014
(2 hrs)
International Association for Identification 99th International Educational Conference, Minneapolis, MN, 2014
(40 hrs)
Internal Auditing to ISO/IEC 17025 and ISO/IEC 17020, Meridian, MS, 2014
(40 hrs)
Latent Fingerprints: Reducing Erroneous Exclusions, online, 2013
(8 hrs)
Creases and 3rd Level Ridge Details, Providence, RI, 2013
(4 hrs)
International Association for Identification 98th International Educational Conference, Providence, RI, 2013
(40 hrs)
ASCLD/LAB International Preparation Course, Denver, CO, 2012
(24 hrs)
Demystifying Error Rates, Phoenix, AZ, 2012
(4 hrs)
International Association for Identification 97th International Educational Conference, Phoenix, AZ, 2012
(40 hrs)
Rock and Ice Photography Camp, Independence Pass, CO, 2012
(36 hrs)
Advanced ACE-V Applications for Latent Print Examiners, Denver, CO, 2012
(40 hrs)
Universal Latent Workstation (ULW) Software, Denver, CO, 2012
(16 hrs)
The Ethics of Science and the Science of Ethics, Denver, CO, 2010
(8 hrs)
Analysis of Distortion in Latent Prints, Denver, CO, 2010
(16 hrs)
Business Development, Grand Junction, CO, 2009
(40 hrs)
Courtroom Testimony Techniques, Largo, FL, 2009
(32 hrs)
Tour of the Bandag Tire Retread Training Facility, Muscatine, IA, 2009
(4 hrs)
Tour of Bridgestone Research and Development, Muscatine, IA, 2009
(2 hrs)
Tour of the Honeywell Safety Products Shoe Manufacturing Plant, Rock Island, IL, 2009
(4 hrs)
Comparison Techniques for Tire Track Impressions, IA, 2009
(40 hrs)
Homicidal Drowning Investigations, Grand Junction, CO, 2009
(16 hrs)
Comparison Techniques for Footwear Impressions, Largo, FL, 2008
(32 hrs)
Collection, Documentation, and Preservation of Footwear and Tire Track Impression Evidence, Largo, FL,
2008 (40 hrs)

International Association for Identification 93rd International Educational Conference, Louisville, KY, 2008
(40 hrs)

Photography of Bloodstain Evidence, Louisville, KY, 2008
(4 hrs)

Swipes, Wipes, and Other Transfer Impressions, Louisville, KY, 2008
(2 hrs)

International Association for Forensic and Security Metrology 2nd Annual Conference, Houston, TX, 2008
(24 hrs)

Complex Latent Print Examinations, Lakewood, CO, 2008
(40 hrs)

Tour of the BF Goodrich Tire Manufacturing Plant, Opelika, AL, 2007
(8 hrs)

Examination and Comparison of Tire Track Evidence, Westminster, CO, 2007
(24 hrs)

Introduction to Forensic Digital Imaging, Denver, CO, 2007
(40 hrs)

Detection, Recovery and Examination of Footwear Impression Evidence, Centennial, CO, 2007
(40 hrs)

Ridgeology Science Workshop, Hamilton, NJ, 2006
(40 hrs)

Crime Scene Reconstruction II, Norman, OK, 2005
(40 hrs)

Close-up Imaging, Dallas, TX, 2005
(4 hrs)

Forensic Light Imaging, Dallas, TX, 2005
(4 hrs)

Advanced Techniques for Photographing Marks, Dallas, TX, 2005
(3 hrs)

International Association for Identification 90th International Educational Conference, Dallas, TX, 2005
(40 hrs)

Adobe Photoshop, Denver, CO, 2005
(16 hrs)

Crime Scene Analysis and Reconstruction, New Haven, CT, 2004
(40 hrs)

Demystifying Palm Prints, Coral Springs, FL, 2004
(24 hrs)

Basic Forensic Ridgeology, Huntsville, TX, 2004
(40 hrs)

Detection and Enhancement of Latent Evidence, New Haven, CT, 2004
(40 hrs)

Advanced CadZone, New Haven, CT, 2004
(40 hrs)

Basic CadZone, New Haven, CT, 2004
(40 hrs)

Use of the LTI Impulse Laser with Angle Encoder for Crime Scene Diagramming, Pueblo, CO, 2004
(6 hrs)

Advanced Bloodstain Pattern Analysis, Montrose, CO, 2004
(40 hrs)

Evidence Recognition, Documentation, and Collection, New Haven, CT, 2004
(40 hrs)

Global Positioning System User Training, Pueblo, CO 2004

(4 hrs)
Hands-On How to Develop, Lift, and Document Fingerprints, Denver, CO, 2003
(16 hrs)
Shooting Scene Investigation and Reconstruction, Montrose, CO, 2003
(40 hrs)
Crime Scene Reconstruction I, Arapaho County, CO, 2003
(40 hrs)
Bloodstain Pattern Analysis I, Montrose, CO, 2003
(40 hrs)
FBI Intermediate Fingerprint Identification, Jefferson County, CO, 2002
(16 hrs)
Crime Scene Search and Evidence Preservation, Montrose, CO, 2001
(40 hrs)

Courtroom Experience

Footwear, First Degree Murder, Ottawa County District Court, Kansas, 6/14/18.
Crime Scene, Capital Murder, 290th Judicial District Bexar County, Texas, 9/19/12-9/20/12.
Crime Scene, Capital Murder, 290th Judicial District Bexar County, Texas, 11/10/11.
Latent Prints, Burglary, Mesa County District Court, Colorado, 4/5/11 – Admitted as expert in latent prints.
Latent Prints, Habitual Offender, Mesa County District Court, Colorado, 12/20/10 – Admitted as expert in latent prints.
Latent Prints, First Degree Murder, Mesa County District Court, Colorado, 10/21/10 – Admitted as expert in latent prints.
Latent Prints, Sex Assault / Child / Habitual Offender, Mesa County District Court, Colorado, 7/26/10 – Admitted as expert in latent and known prints.
Latent Prints, First Degree Murder, Mesa County District Court, Colorado, 11/2/09 – Admitted as expert in latent prints.
Latent Prints, Habitual Offender, Mesa County District Court, Colorado, 11/20/09 – Admitted as expert in latent prints.
Latent Prints, Habitual Offender, Mesa County Court, Colorado, 10/10/08 - Admitted as expert in latent prints.
Crime Scene, First Degree Murder, United States District Court, Colorado, 9/17/08.
Latent Prints, Multiple Offender, LaPlata County District Court, Colorado, 8/29/08 – Admitted as expert in latent prints.
Latent Prints, Habitual Offender, Mesa County District Court, Colorado, 6/6/08 – Admitted as expert in latent prints.
Latent Prints, Burglary, Mesa County Court, Colorado, 12/18/07 – Admitted as expert in latent prints.
Latent Prints, First Degree Murder, El Paso District Court, Colorado, 8/14/07.
Crime Scene, First Degree Murder, Pueblo District Court, Colorado, 4/27/06 – Admitted as expert in crime scene reconstruction, shooting scene reconstruction, and crime scene diagramming.
Crime Scene, Second Degree Murder / Felony Assault, Pueblo District Court, Colorado, 7/19/05

Professional Affiliations

International Association for Identification, Mississippi Division (MDIAI), 2012-present
International Association for Identification, Parent Body (IAI), 2005-present
International Association for Identification, Rocky Mountain Division (RMDIAI), 2005-present
ASTM Committee E30 on Forensic Science, 2003-2006
Colorado-Wyoming Academy of Science (CWAS), 2002

Other Qualifications

Certified Latent Print Examiner, International Association for Identification, 2006-present
Certified Footwear Examiner, International Association for Identification, 2015-present

Awards

Colorado Bureau of Investigation Award of Excellence, 2006

Publications

- “Forensic Investigation of Cannibal Alferd Packer by Scanning Electron Microscopy / Energy Dispersive Spectroscopy” (co-author), 2002, The Journal of the Colorado-Wyoming Academy of Science
- “SEM/EDS Preparation and Investigation into the Colorado Cannibal of 1874” (co-author), 2002, The Journal of the Colorado-Wyoming Academy of Science
- “Conclusion of the Alferd Packer Project” (co-author), 2002, The Journal of the Colorado-Wyoming Academy of Science
- “EDS Investigation into the Legend of Cannibal Alferd Packer of Colorado” (co-author), 2001, Microscopy Today

Presentations

- National Latent Print Examiner Academy, Meridian, MS
Evaluation and Sufficiency Decisions 2018/2019 Academy
- North Carolina Division of the International Association for Identification Educational Conference, Winston-Salem, NC
The Erroneous Identification of Beniah Alton Dandridge 2018
- Innocence Network Conference, Memphis, TN
Analyzing Expert Language 2018
- National Latent Print Examiner Academy, Meridian, MS
Digital Photography Basics from the Crime Scene to the Laboratory 2017/2018 Academy
- International Association for Identification 102nd International Educational Conference, Atlanta, GA
The Erroneous Identification of Beniah Alton Dandridge 2017
- International Association for Identification 101st International Educational Conference, Cincinnati, OH
Examination of Close Non-Match Footwear 2016
- International Association for Identification 101st International Educational Conference, Cincinnati, OH
Techniques for Searching Smart in Large Cases 2016
- Innocence Network Conference, San Antonio, TX
Fingerprints: Best Practices and New Technology in a Post-Conviction Environment 2016
- National Latent Print Examiner Academy, Hattiesburg, MS
IAI Certification Test Preparation Training 2015/2016 Academy, 2016/2017 Academy, 2017/2018 Academy
- National Latent Print Examiner Academy, Hattiesburg, MS
ACE-V Methodology, Examination Documentation Best Practices and Conclusions 2015/2016 Academy, 2016/2017 Academy, 2017/2018 Academy
- National Latent Print Examiner Academy, Hattiesburg, MS
Digital Imaging for Latent Print Examiners 2015/2016 Academy, 2016/2017 Academy, 2017/2018 Academy, 2018/2019 Academy
- National Latent Print Examiner Academy, Hattiesburg, MS
Comparison and Evaluation Skill Development - Exclusion and Inconclusive decisions 2015/2016 Academy, 2016/2017 Academy, 2017/2018 Academy, 2018/2019 Academy
- National Latent Print Examiner Academy, Hattiesburg, MS
Essential Ridgeology Concepts 2015/2016 Academy, 2016/2017 Academy
- International Association for Identification 100th International Educational Conference, Sacramento, CA
Examination of Close Non-Match Footwear 2015
- International Association for Identification 100th International Educational Conference, Sacramento, CA
Techniques for Searching Smart in Large Cases 2015

International Association for Identification 100th International Educational Conference, Sacramento, CA
Technical Management 2015

Colorado Bureau of Investigation, Grand Junction, CO
Fundamentals of Photography, Surveillance Photography, and Crime Scene Photography 2012

Western Colorado Peace Officer's Academy, Grand Junction, CO
Crime Scene Investigation with an Introduction to the Forensic Sciences Fall 2008, Spring 2009, Fall 2009, Spring 2010, Fall 2010, Spring 2011, Fall 2011, Spring 2012

Colorado Bureau of Investigation Crime Scene School, Pueblo, CO
Techniques of Fingerprint Photography 2005

Colorado Bureau of Investigation Crime Scene School, Pueblo and Grand Junction, CO
Practical Exercises in taking tenprint and major case print standards 2005 (Pueblo), 2006 (Pueblo), 2008 (Grand Junction), 2009 (Grand Junction)

Colorado Bureau of Investigation, Montrose, Pueblo, Denver, CO
Use of the LTI Impulse Laser with Angle Encoder and CadZone Software for Crime Scene Diagramming 2005 (Montrose), 2006 (Pueblo and Denver)

Colorado Public Defender's Office, Colorado Springs, CO
Fingerprint Theory, Techniques, and AFIS 2005

Colorado Bureau of Investigation Crime Scene School, Pueblo, Montrose/Grand Junction, CO
Fingerprint Theory, Techniques, and AFIS 2005 (Pueblo), 2006 (Pueblo), 2007 (Montrose/Grand Junction) 2009 (Montrose/Grand Junction)

Colorado Bureau of Investigation Crime Scene School, Pueblo, Montrose/Grand Junction, CO
Bloodstain Pattern Analysis 2004 (Pueblo), 2005 (Pueblo), 2008 (Montrose-Grand Junction), 2009 (Montrose/Grand Junction)

Colorado Bureau of Investigation Crime Scene School, Pueblo, CO
Evidence Submission 2002

Colorado – Wyoming Academy of Science, Grand Junction, CO
Forensic Investigation of Cannibal Alferd Packer by Scanning Electron Microscopy / Energy Dispersive Spectroscopy 2002

Special Committees Appointed to

National Institute of Standards and Technology Organization of Scientific Area Committees (OSAC) Footwear and Tire Subcommittee, 2018-Present

Organizational Positions Held

International Association for Identification Latent Print Certification Board, 2018-Present.

International Association for Identification Science and Practice Committee Subcommittee on Latent Print Development, 2016 – Present.

Rocky Mountain Division of the International Association for Identification Latent Print Certification Board, 2011

Latent Print Technical Working Group, representative for the Montrose Regional Laboratory, Colorado Bureau of Investigation

Bloodstain Pattern Analysis Technical Working Group, representative for the Pueblo Regional Laboratory, Colorado Bureau of Investigation

Manuals written

Latent Print Standard Operating Procedures, Colorado Bureau of Investigation, 2011

Updated 11/18