



Lisa M. Hanson* ** ***

Midwest Questioned Documents, LLC

5865 Neal Avenue North, #149

Stillwater, MN 55082

☎ 651.398.4549

CURRICULUM VITAE

Profession: *Forensic Document Examiner*

Education: *Bachelor of Science Degree from University of Wisconsin, River Falls (4yr)*

Major – Biology; Minor – Chemistry; 1990

Internship: Bureau of Criminal Apprehension (BCA) Minnesota State Forensic Laboratory;
Intoxilyzer Breath Testing Ratios: Blood, Urine and Breath Testing Ratios, 1:67:2100, respectively; St. Paul, MN, 1990 (8+ weeks)

Professional

Experience: *Midwest Questioned Documents Laboratories, LLC (Laboratories located in MN & WI, USA) President / Owner / Lead Forensic Document Examiner (11/2017 – present):*

Receive evidence, complete handwriting examinations to determine common authorship or authentication, examination of signatures, indented writing, obliterations, determine method of production, document authentication, and review casework completed by other examiners when requested.

Chicago Board of Elections 2019 (1/8/2019 – 1/22/2019):

Completed signature examinations to determine common authorship for Chicago Board of Elections, concerning signatures gathered by petitioners to qualify and be balloted for various political positions and office(s).

Questioned Document Subject Matter Expert ISO/IEC 17025 (7/2016 – 7/2018): Work involved forensic science consultations for the U.S. Department of Justice in the area of training of questioned document examiners and preparation for ISO/ANAB 17025 forensic laboratory accreditation. Provided guidance during the development of controlled documents under ISO/ANAB 17025 guidelines for international laboratories and delivered current technologies training in the field of questioned documents.

Riley Welch LaPorte & Associates Forensic Laboratories, St. Paul, MN Forensic Document Examiner (11/2011 – 11/2017):

Completed handwriting examinations to determine common authorship or authentication, examination of signatures, indented writing, obliterations, determine method of production, document authentication, and reviewed casework completed by other examiners.

Retiree - Minnesota Bureau of Criminal Apprehension (BCA) Forensic Laboratory, St. Paul, MN Forensic Document Examiner (06/1999 – 04/2016):

Assigned to the **Questioned Document Section**. Duties as Technical Lead were to receive evidence, normal casework responsibilities of a forensic document examiner, write reports regarding findings, and provide court testimony when necessary. Responsibilities also include the administrative and technical supervision of other examiners assigned to the Questioned Document Section.

*Diplomate of the American Board of Forensic Document Examiners, Inc.

**Member of the American Society of Questioned Document Examiners

***Member of the American Academy of Forensic Sciences



**Professional
Experience (cont.):**

Transferred within Minnesota Bureau of Criminal Apprehension Forensic Laboratory from the Toxicology Section to the Questioned Document Section (06/1999)

Forensic Scientist - Minnesota Bureau of Criminal Apprehension Forensic Laboratory, St. Paul, MN (03/1991 to 06/1999):

Assigned to the ***Toxicology Section***. Duties were to receive and examine blood, urine and other body fluids for volatiles, prescription, and illegal drugs, write reports regarding findings, and provide court testimony when necessary.

**Board
Certifications:**

Diplomate – American Board of Forensic Document Examiners (ABFDE)

Certification #342, Attained Board Certification; October - 2006 - present

Involvement: ABFDE Newsletter Editor – 2008 – 2010

Served as a Director on the Board of Directors, 2009 – 2017; – 2019 - present

Served as Vice President, Testing Committee Chair, and Professional Review Committee Chair, 2010 – 2017; Testing Committee Chair, 2019 - present

Involvement: Test Preparation & Validation Chair – 2017 - present

Testing Committee Chair – 2019 -present

Nominations Committee Chair – 2020 – present

**Professional
Organizations:**

Member - American Society of Questioned Document Examiners (ASQDE)

Full Member: 2013 – present

Provisional Member 2006 - 2013

Involvement: Program Chair – 2010

Treasurer – 2016 to 2019

Vice President – 2019 to 2023

Attended Meetings: 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2010, 2011, 2012, 2013, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024

Member – Midwestern Association of Forensic Scientists (MAFS)

Member: 2000 - 2018

Involvement: QD Section Coordinator - 2008, 2009;

Training/Education Committee 2009

Co-Chairman – 2008 MFRC QD symposium, Ames, IA.

Workshop Coordinator - Fall Workshop Coordinator for Joint SAFS, MAFS, MAAFS, CSFS, Meeting 2004, MAFS Meeting 2009

Attended Meetings: 2000, 2004, 2007, 2008, 2009, 2010, 2011, 2012

Member - American Academy of Forensic Sciences (AAFS)

Associate Member: 2018 – present

Member – Southeastern Association of Forensic Document Examiners (SAFDE)

Corresponding Member: 2019 - present

Professional Organizations (cont.):

Member – American Society of Crime Lab Directors – Laboratory Accreditation Board (ASCLD - LAB)

Involvement: Technical Advisory Committee (TAC) Member: 2009 - 2015
ISO/ASCLD-LAB Questioned Document Assessor: Certified 2011 - 2015

National Standard Organizations:

Member – American Standards for Testing and Materials (ASTM - E30.00)

Involvement: Committee Member E30.02: 2006 – 2012
Committee Member E30.00: 2006 – 2013

Member – Scientific Working Group for Forensic Document Examination (SWGDOC)

Member: 2013 – present

Member – Organization of Scientific Area Committees (OSAC) – National Institute of Standards and Technology (NIST)

Forensic Document Examination Sub Committee Chair: 2021 – 2023
Sub-Group Chair of Questioned Document Examiners Standards, Member: 2014 – 2023
Associate Member: 2023 – present

Member – AAFS Standards Board, LLC (ASB) - An ANSI-accredited Standards Developing Organization (SDO)

Member: 2017 – present

Research & Publications:

Srihari, Sargur N., Lu Meng, and **Lisa Hanson**. "Development of Individuality in Children's Handwriting." *Journal of Forensic Sciences* 61, no. 5 (2016): 1292-1300.

Srihari, Sargur N., Gang Chen, Zhen Xu, and **Lisa Hanson**. "Studies in Individuality: Can Students, Teachers and Schools Be Determined from Children's Handwriting?" In *Computational Forensics*, pp. 20-30. Springer International Publishing, 2015.

Srihari, Sargur N., Zhen Xu, and **Lisa Hanson**. "Development of Handwriting Individuality: An Information-Theoretic Study." In *Frontiers in Handwriting Recognition (ICFHR), 2014 14th International Conference on*, pp. 601-606. IEEE, 2014.

Puri, Mukta, Sargur N. Srihari, and **Lisa Hanson**. "Probabilistic Modeling of Children's Handwriting" In *IS&T/SPIE Electronic Imaging*, pp. 902103-902103. International Society for Optics and Photonics, 2013.

Questioned Documents Core Training:

Completed the required full-time two- and one-half-year Questioned Document apprentice-style Training Program successfully through the Minnesota State Bureau of Criminal Apprehension (BCA) Forensic Laboratory (1999-2002).

Specialized

Training: In addition, the following training programs, workshops and continued educational classes were also successfully completed

Digitally Captured Signatures – Part 1, Jan Zimmer, ASFDE, Virtual, 2021, (1.5 hrs)
Digitally Captured Signatures – Part 2, Niko Kalantzis, ASFDE, Virtual, 2021, (1.5 hrs)
Letter-locking: or, how a field of study emerged from a 4mm slit, ASFDE, Virtual, 2021, (2.5 hrs)
Document Dating and Q&A, Samiah Ibrahim, ASFDE, Virtual, 2021, (3 hrs)
Digital Examination Techniques, Mark Goff, ASFDE, Virtual, 2021, (5.5 hrs)
Demonstrative Evidence in the Courtroom, ASQDE, Virtual, 2021, (2 hrs)
Pressure Training Calibration, ASQDE, Virtual, 2021, (2 hrs)
Examination Basics for Adobe PDF files, ASQDE, Virtual, 2021, (2 hrs)
Digital Workflow, Mark Goff, ASQDE, Virtual, 2020, (8hrs)
Measuring Opinion Strength: An International Discussion of Opinion Scale Levels and Values, Dr. Mara Merlino, ASQDE, Virtual, 2020 (4hrs)
A Complete Introduction to Digitally Captured Signatures (DCS) and a Tutorial for Namirial's Firma Certa Forensic Analysis Tool, Niko Kalantzis, AAFS, Virtual, 2020 (4 hrs)
Technology and Design of Security Documents for Counterfeiting and Alteration Resistance, USSS, Virtual, 2020 (8 hrs)
Non-Destructive Examinations of Inks, Dr. Mohammed, Peter Tytell, ASQDE, Cary, N.C., 2019 (4 hrs)
Writing on Unusual Surfaces, Peter Belcastro Jr., Gregg Mokrzycki, ASQDE, Cary, N.C., 2019 (4 hrs)
Taller Panameño de Escritura y Firmas: Is it an Individual Handwriting Characteristic or is it a Cultural Handwriting Characteristic or is it Both? **Lisa Hanson**, Kathleen Annunziata Nicolaides, Leydis Gonzalez, ASQDE, Park City, UT, 2018 (1.5 hrs)
The Hofmann Forgeries - The Case of a Lifetime; The Salamander Letters, Bill Flynn, UT, 2018 (2 hrs)
A Rare Occurrence, Lloyd Cunningham, ASQDE, Park City, UT, 2018 (1.5 hrs)
The Greatest Forger to Ever Get Caught, Bill Flynn, George Throckmorton, ASQDE, UT, 2018 (3.5 hrs)
Write or Wrong? Bias, Decision-Making, & the Use of Contextual Information in Forensic Document Examination William Thompson, Lloyd Cunningham, Jane Lewis, ASQDE, CA, 2017 (3 hrs)
Chinese Handwriting and Signatures Workshop: Hanzi through the Eyes of the Forensic Document Examiner Chiew Yung Yang, Chin Chin Lim, ASQDE, San Diego, CA 2017 (3.5 hrs)
Preparing a Digital Signature File for Forensic Analysis, Kathleen Nicolaides, William Flynn, ASQDE, San Diego, CA, 2017, (7 hrs)
Forensic Science Research: Your Mission to Propose, Innovate, and Collaborate, Heather Waltke, Gerald LaPorte, **Lisa Hanson**, Melissa Taylor, ASQDE, San Diego, CA, 2017 (3.5 hrs)
Sequence of Entries Determination – New Approach to Additional Print, Martina Lunakova, Petra Moravcova, ASQDE, Pensacola, FL, 2016, (2 hrs)
Draft Methodology for Examining Electronic Signatures using Wacom Signature Scope, Andrea Devlin, Dr. Steven Strach, Michelle Novotny, Claire Graydon and Paul Westwood, ASQDE, FL, 2016, (3hrs)
Principles of Forensic Examination of Arabic Signatures, Kirsten Singer, ASQDE, Toronto, 2015, (8 hrs)
Characteristics of Fountain Pen Writing, Bill Flynn, and Lloyd Cunningham, ASQDE, Toronto, 2015, (8 hrs)
Digital Signatures (Updates) Bill Flynn and Kathleen Nicolaides, ASQDE, Indianapolis, IN, 2013 (8 hrs)



Questioned Documents: Conclusion Scales and Logical Inference, Brent Ostrum, ASQDE, IN, 2013 (8 hrs)
Challenging Signatures, Frank Hicks, ASQDE, Indianapolis, IN, 2013 (4 hrs)

Specialized Training (cont.):

Forensic Examination of Facsimile Copies, Trans. Reports, & Activity Journals, MAFS, WI, 2012 (4 hrs)
Challenging Signatures, MAFS, Milwaukee, WI, 2012 (4 hrs)
Write-On 2.0 Handwriting Comparison Software, MAFS, Milwaukee, WI, 2012 (8 hrs)
The Individuality of Inkjet Printing, ASQDE, Charleston, SC, 2012 (4 hrs)
Managing Human Factors in the Forensic Sciences, ASQDE, SC, 2012 (8 hrs)
Kinematic Features of Signature Writing in Persons with Alzheimer's disease, ASQDE, SC, 2012 (4 hrs)
Validating & Verifying a Standardized Method: Envelope Examinations & the Anthrax Investigation, IPES, FL, 2012 (2 hrs)
Re-Assembling Crosscut Shredded Documents, IPES, FL, 2012 (4 hrs)
Digital Signatures – Kathleen Nicolaides, ABFDE Board Meeting, AZ, 2012 (6 hrs)
Note Taking Techniques for FDEs, Larry Olson & Todd Welch, MAFS Meeting, Chicago, 2011 (8 hrs)
Basic Forensic Digital Image Processing, by David Witzke, BCA, MN, 2011 (24 hrs)
Printing Process Identification, Scott Walters / Jeff Payne, ASQDE Meeting, Philadelphia, PA, 2011 (6 hrs)
Basic Statistical Tools for FD Examiners, Nick Petraco, ASQDE Meeting, Philadelphia, PA, 2011 (3 hrs)
Using Adobe Photoshop in a QD Workflow, George Reis, ASQDE Meeting, Philadelphia, PA, 2011 (4 hrs)
Photoshop for Questioned Document Examiners, George Reis, MAFS Meeting, MO. 2010, 2010 (8 hrs)
ISO/ASCLD-LAB Assessor Training, NC, 2008 (40 hrs)
Identification Science, Steve McKasson for the MAFS Annual Meeting, MO, 2010 (4 hrs)
Typewriter Classification for the Forensic Document Examiner, MAFS Annual Meeting, MO, 2010 (4 hrs)
Challenging Signatures Workshop, Frank Hicks ASQDE Meeting, Dearborn, MI, 2009 (4 hrs)
Handwriting of a Homogenous Population Workshop, Marie Durina ASQDE Meeting, MI, 2009 (4 hrs)
Examination of Documents Produced Using Inkjet Technology, Gerald LaPorte ASQDE, MI, 2009 (6 hrs)
Skilled Simulations Workshop, Tahnee Dewhurst ASQDE Meeting, Asheville, NC, 2008 (2 hrs)
ABFDE Business Records Workshop, Dave Oleksow / Dennis Ryan, ASQDE Meeting, NC, 2008 (8 hrs)
Typography – Testing to Testimony, William Flynn / Kathleen Nicolaides ASQDE Meeting, NC, 2008 (2 hrs)
Working with Write-On 2 Workshop, Brian Lindblom ASQDE Meeting, Asheville, NC, 2008 (2 hrs)
Examining Documents using a Multi-Faceted Approach, Brian Lindblom, MAFS Meeting, MI, 2007 (8 hrs)
Methods Used for Authenticating Questioned Documents, Gerry LaPorte, MAFS Meeting, MI, 2007 (8 hrs)
Forensic Examination of Computer-Generated Documents, William Flynn, MAFS Meeting, MI, 2007 (8 hrs)
Courtroom Testimony for Forensic Document Examiners, Dennis Ryan, MAFS Meeting, MI, 2007 (4 hrs)
Fine and Subtle Features of Handwriting Workshop, Lloyd Cunningham, ASQDE, OR, 2006 (4 hrs)
Signature Workshop, by Howard Rile and Frank Hicks, ASQDE, Portland, OR, 2006 (4 hrs)
The Examination of Large Document Cases Using Microsoft Access, Lamar Miller, SAFS, MAFS, MAAFS, CSFS Meeting, Orlando, FL, 2004 (24 hrs)
Identification of Handwriting Using Computer Modeling Workshop, Dr. Sargur Srihari, SAFS, MAFS, MAAFS, CSFS Meeting, Orlando, FL, 2004 (4 hrs)
CEDAR-FOX Software for Handwriting Comparisons, Dr. Sargur Srihari, MAFS, MAAFS, CSFS Meeting, Orlando, FL, 2004 (4 hrs)
Rubber Stamp Workshop, Mr. Brian Lindblom, MAFS, MN, 2001 (8 hrs)
Physical and Chemical Comparison of Inks, Larry Olson, Jeanne Dietrich, MAFS, Chicago, IL, 2000 (8 hrs)
Printing Process Identification & Image Analysis for FDEs Printing Processes, RIT, NY, 2001 (40 hrs)
Handwriting Seminar and Court Room Training FBI, Quantico, VA, 2001 (40 hrs)
Color Printing Processes & Counterfeiting Part II, USSS & Printing Industry Reps, MAFS, MN, 2001 (24 hrs)
Color Printing Processes & Counterfeiting Part I, USSS & Printing Industry Reps, MAFS, MN, 2000 (24 hrs)

Court Testimony and Depositions:

09/2003 Anoka County vs. Young; MN; Handwriting
 10/2003 State vs. Martin; MN; Handwriting
 03/2005 State vs. Cobbins; MN; Handwriting
 05/2005 Hennepin County v. Helal; MN; Altered Document
 03/2006 State vs. Ganpat; MN; Handwriting
 03/2006 State vs. Forrester; MN; Handwriting
 05/2006 State vs. Kreuth; MN; Handwriting
 09/2007 Stearns County vs. Hull; MN; Handwriting; Indented Writing Impressions (Frye-Mack Hearing & Jury Trial)
 08/2011 Stearns County vs. Sherman; MN; Handwriting
 01/2012 Hennepin County vs. Dozier; MN; Handwriting
 01/2012 Chicago, State Board of Elections; Handwriting; 11 Congressional District
 03/2013 Wright County vs. Rossberg; MN; Handwriting; Indented Writing Impressions; Paper Examinations
 05/2013 U.S.; State; Hennepin County vs. Carlson; Handwriting; Indented Impressions
 06/2013 U.S. vs. Caela; in Kansas City, KS; Handwriting
 06/2013 Washington County vs. Fox; MN; Handwriting
 04/2015 Johnson vs. DeMarce; N.D.; Handwriting; Indented Impressions
 09/2015 Hennepin County vs. Orwig; MN; Handwriting
 04/2016 Hill vs. Hill; Washington County, MN; Handwriting
 12/2017 Estate of Peter Muscala; Hennepin County, MN; Handwriting
 04/2018 Rachelle Jacob vs. Joel Mernik; Hennepin County, MN; Handwriting
 05/2018 Hedberg Aggregates, Inc. vs. William R. Webber, Western WI, 7th District, Bankruptcy
 01/2019 Chicago, State Board of Elections; Handwriting
 03/2019 Estate of William Lyons vs. Scott Starfield, Washington Co., MN; Handwriting
 09/2019 Estate of James Daniel Renneker; Stearns County, MN; Handwriting
 11/2019 Brown County vs. Ashanti Sitting Crow, New Ulm, MN; Handwriting
 01/2020 Egan vs. Egan, Hennepin Co., MN; Handwriting
 02/2020 Margot Prescott vs. Paul Morrison; MN; (*Aerlig Capital, LLC*); Handwriting; Indented Impressions; Altered Document Examinations
 03/2020 Lisa Smit vs. Kyle Lusk; Scott Co., MN; Handwriting
 06/2021 Richard Saliterman vs. Deborah Larson, Hennepin Co., MN; Handwriting
 07/2021 McElligott vs. McElligott, Hennepin Co., MN; Handwriting
 07/2021 Brooks vs. Callan, Chicago, IL; Handwriting; Indented Impressions; Altered Document Examinations
 08/2021 Deposition – Estate of Shirley Fjerstad, MN 02-PR-20-456 Probate, Handwriting
 10/2021 Deposition – Chaska, MN, CASE 0:19-cv-02414-MJD-BRT, Handwriting
 12/2021 Esmael vs. Sahid, Dakota Co., MN; Handwriting
 02/2022 Hennepin Co., City of Minneapolis vs. Danielle Billops; MN; Handwriting
 03/2022 Deposition – Tenenbaum et. al. vs. Bialick et. al., 27-cv-19-953, MN; Handwriting
 06/2022 Harry Blonigen vs. Steven Long; Todd Co., MN; Handwriting; Indented Writing Impressions; Paper Examinations, Ink Examinations, Staple holes
 06/2022 Deposition – Estate of Cletus Brincks. vs. Marvin Brincks, IA; Handwriting
 08/2022 Christian Donovan vs. Serena Thompson; IA; Handwriting
 09/2022 State of MN vs. Eric Reinbold; Pennington County, MN; Handwriting
 09/2022 Deposition - Jennifer Schoberg vs. Dennis & Barbra Engelstad, MN; Handwriting
 06/2023 Apolinar Colon et all vs. Moises Flores et al; Shawano Co. WI; Handwriting



06/2023 Jason George et al vs. Stephanie George et al; Wright Co. MN; Handwriting

Court

Testimony and Depositions:

07/2023 State of OH vs. Tyrone Lee Noling; Judgment Entry Hearing Case No. 2022-P-0057
Innocence Project
08/2023 Deposition – Harvey Slepian vs. Rosalee Slepian; IL; Case 18-P-00406; IL; Handwriting
08/2023 Cletus Brincks vs. Marvin Brincks; IOWA; Case LACV015705; Handwriting
08/2023 Judd Boedecker vs. Dan Thomas; OR Case 22CV29742; Handwriting
09/2023 Estate of Patrick McCarthy vs. Jodi McCarthy, et al; MN; Documents & Handwriting
12/2023 Sha'Ron Webb vs. Brooks Funeral Home, Inc. and Margaret Brooks, MN; Handwriting
12/2023 Estate of Robert Brent Mussell, Curt Lein – Attorney, Howard County, WI
04/2024 Marie Weigel Pick vs. Marilyn Stenzel, Waseca Co., MN; Handwriting
09/2024 Estate of Edward Shega vs. Cheryl Shega, St. Louis Co., MN; Handwriting; Alterations

FOR CONSIDERATION ONLY