



Lisa Hanson* ** ***
Midwest Questioned Documents, LLC
5865 Neal Avenue North, Box 149
Stillwater, MN 55082
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☎ 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.

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**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, 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; 2019 - present

Involvement: Test Preparation & Validation Chair, 2017 - 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 present

Attended Meetings: 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2010, 2011, 2012,
2013, 2015, 2016, 2017

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

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Professional Organizations (cont.):

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

Member: 2006 - 2013

Involvement: Committee Member E30.02: 2006 - 2012

Committee Member E30.00: 2006 - 2013

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

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)

Member: 2014 – present

Sub Group Chair of Questioned Document Examiners Standards

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

Member: 2017 – present

Member - American Academy of Forensic Sciences (AAFS)

Associate Member: 2018 – present

Member – Southeastern Association of Forensic Document Examiners (SAFDE)

Corresponding Member: 2019 - 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.

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Research & Publications (cont.):

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 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

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)
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)

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Specialized Training (cont.):

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 Nicolaidis, 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 Nicolaidis 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)

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**Court
Testimony:**

- 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 and Jury Trial)
- 08/2011 Stearns County vs. Sherman; MN; Handwriting
- 01/2012 Hennepin County vs. Dozier; MN; Handwriting
- 01/2012 Chicago, IL; State Board of Elections; Handwriting; 11 Congressional District
- 03/2013 Wright County vs. Rossberg; MN; Handwriting; Indented Writing Impressions; Paper Examinations
- 05/2013 Hennepin County/State/U.S. vs. Carlson; MN; Handwriting; Indented Impressions
- 06/2013 U.S. vs. Caela; Kansas; Handwriting (Defense)
- 06/2013 Washington County vs. Fox; MN; Handwriting (Defense)
- 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
- 03/2019 Estate of William Lyons vs. Scott Starfield, Washington Co., MN; Handwriting
- 09/2019 Estate of 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 (*Aerlig Capital, LLC*); Handwriting; Indented Impressions; Altered Document Examinations
- 03/2020 Lisa Smit vs. Kyle Lusk, Scott Co., MN; Handwriting; Indented Impressions; Altered Document Examinations

(NOTE - Questioned Document Testimonies listed only. During my years in the MNBCA Alcohol / Toxicology Section, courtroom testimony was a regular and common aspect of my job duties.)

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