



Lisa Hanson\* \*\*  
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## **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.

***Questioned Document Subject Matter Expert ISO/IEC 17025 (7/2016 – 7/2018):*** Work involves 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. Guidance during the development of controlled documents under ISO/ANAB 17025 guidelines for international laboratories, delivering current questioned document training, and providing gap analysis for emerging forensic science laboratories.

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

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.

***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 are to receive Questioned Document 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; speak to various groups regarding the field of Questioned Documents. Responsible for conducting research in the laboratory on new technology in the field, emerging or developing methods, materials or techniques for approaching problems faced daily by forensic document examiners, reporting interesting, new, or unusual findings from casework activities.

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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

Served as Vice President, Testing Committee Chair and Professional Review Committee Chair, 2010 – 2017

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 - present*

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 Scientists (AAFS)**

Associate Member: 2018 – 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.

## Specialized Training:

**Completed the required two and one-half year Questioned Document apprentice-style Training Program successfully through the Minnesota State Bureau of Criminal Apprehension Forensic Laboratory.**

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

Principles of Forensic Examination of Arabic Signatures, Kirsten Singer, ASQDE, Toronto, Canada, 2015, (8 hrs)  
Characteristics of Fountain Pen Writing, Bill Flynn and Lloyd Cunningham, ASQDE, Toronto, Canada, 2015, (8 hrs)  
Digital Signatures (Updates) Bill Flynn and Kathleen Nicolaidis, ASQDE, Indianapolis, IN, 2013 (8 hrs)  
Questioned Documents: Conclusion Scales and Logical Inference (*Statistical Based Logic*), Brent Ostrum, ASQDE, Indianapolis, IN, 2013 (8 hrs)  
Challenging Signatures, Frank Hicks, ASQDE, Indianapolis, IN, 2013 (4 hrs)  
Forensic Examination of Facsimile Copies, Transmission Reports, and Activity Journals, MAFS, Milwaukee, 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, Charleston, SC, 2012 (4 hrs)  
Validating and Verifying a Standardized Method: Envelope Examinations and 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, by Larry Olson / Todd Welch, MAFS Annual Meeting, Chicago, IL, 2011 (8 hrs)  
Basic Forensic Digital Image Processing, by David Witzke, BCA, MN, 2011 (24 hrs)  
Printing Process Identification, Scott Walters / Jeff Payne, ASQDE Annual Meeting, Philadelphia, PA, 2011 (6 hrs)  
Basic Statistical Tools for FD Examiners, by Nick Petraco, ASQDE Annual Meeting, Philadelphia, PA, 2011 (3 hrs)  
Using Adobe Photoshop in a QD Workflow, George Reis, ASQDE Annual Meeting, Philadelphia, PA, 2011 (4 hrs)  
Photoshop for Questioned Document Examiners, by George Reis for the MAFS Annual Meeting, Kansas City, 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)

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## **Specialized Training (cont.):**

Typewriter Classification for the Forensic Document Examiner, for the MAFS Annual Meeting, Kansas City, MO, 2010 (4 hrs)  
Challenging Signatures Workshop, by Frank Hicks for the ASQDE Annual Meeting, Dearborn, MI, 2009 (4 hrs)  
Handwriting of a Homogenous Population Workshop, by Marie Durina for the ASQDE Annual Meeting, Dearborn, MI, 2009 (4 hrs)  
Examination of Documents Produced Using Inkjet Technology, by Gerald LaPorte for the ASQDE Annual Meeting, Dearborn, MI, 2009 (6 hrs)  
Skilled Simulations Workshop, by Tahnee Dewhurst for the ASQDE Annual Meeting, Asheville, NC, 2008 (2 hrs)  
ABFDE Business Records Workshop, Dave Oleksow and Dennis Ryan for the ASQDE Annual Meeting, Asheville, NC, 2008 (8 hrs)  
Typography – Testing to Testimony, by William Flynn and Kathleen Nicolaidis for the ASQDE Annual meeting, Asheville, NC, 2008 (2 hrs)  
Working with Write-On 2 Workshop, Brian Lindblom for the ASQDE Annual Meeting, Asheville, NC, 2008 (2 hrs)  
Examining Documents Requiring a Multi-Faceted Approach, by Brian Lindblom for the MAFS Annual meeting, Traverse City, MI, 2007 (8 hrs)  
Methods Used for Authenticating Questioned Documents, by Gerry LaPorte for the MAFS Annual meeting, Traverse City, MI, 2007 (8 hrs)  
Forensic Examination of Computer Generated Documents, by William Flynn for the MAFS Annual meeting, Traverse City, MI, 2007 (8 hrs)  
Courtroom Testimony for Forensic Document Examiners, by Dennis Ryan for the MAFS Annual meeting, Traverse City, MI, 2007 (4 hrs)  
Fine and Subtle Features of Handwriting Workshop, by Lloyd Cunningham for the American Society of Questioned Document Examiners, Portland, OR, 2006 (4 hrs)  
Signature Workshop, by Howard Rile and Frank Hicks for the American Society of Questioned Document Examiners, Portland, OR, 2006 (4 hrs)  
The Examination of Large Document Cases Using Microsoft Access, by Lamar Miller for the joint SAFS, MAFS, MAAFS, CSFS Meeting, Orlando, FL, 2004 (24 hrs)  
Identification of Handwriting Using Computer Modeling Workshop, by Dr. Sargur Srihari for the joint SAFS, MAFS, MAAFS, CSFS Meeting, Orlando, FL, 2004 (4 hrs)  
CEDAR-FOX Software for Handwriting Comparisons, by Dr. Sargur Srihari for the Midwestern Association of Forensic Scientists, Orlando, FL, 2004 (4 hrs)  
Rubber Stamp Workshop, by Mr. Brian Lindblom of Document Examination Consultants, Midwestern Association of Forensic Scientists Meeting, Minneapolis, MN, 2001 (8 hrs)  
Physical and Chemical Comparison of Inks, by Larry Olson and Jeanne Dietrich for the Midwestern Association of Forensic Scientists, Chicago, IL, 2000 (8 hrs)  
Printing Process Identification and Image Analysis for Forensic Document Examiners Printing Process Seminar, RIT, NY, 2001 (40 hrs)  
Handwriting Seminar and Court Room Training FBI, Quantico, VA, 2001 (40 hrs)

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**Specialized  
Training (cont.):**

Color Printing Processes and Counterfeiting Part II, by United States Secret Service and Printing Industry Representatives, Midwestern Association of Forensic Scientists, Minneapolis, MN, 2001 (24 hrs)  
Color Printing Processes and Counterfeiting Part I, by United States Secret Service and Printing Industry Representatives, Midwestern Association of Forensic Scientists, Minneapolis, MN, 2000 (24 hrs)

**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

*(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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