

TODD W. WELCH

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Curriculum Vitae

Positions: Vice President and Forensic Document Examiner for Riley, Welch, LaPorte & Associates Forensic Laboratories (1996 to Present)

Specialist Sergeant, Michigan Department of State Police, Questioned Document Unit, Lansing Laboratory (1993 to Present)

Education: *Bachelor of Arts Degree* from Saginaw Valley State College, Saginaw, Michigan
Major - Criminal Justice, 1987
Minor – Sociology

Achievements:

Graduated with Honors: Magna Cum Laude
Alpha Phi Sigma – National Criminal Justice Honor Society
Recipient of the Outstanding Graduate of the Year Award
President's List: Fall 1985
Dean's List : Winter 1986, Winter 1987, Summer 1987

Professional Experience: **Michigan Department of State Police**, Lansing Laboratory.
Specialist Sergeant (3/93 to present)

Assigned to the Questioned Document Unit. Duties are to receive and examine documentary evidence, write reports regarding findings, and provide court testimony when necessary. Instructor in the field of Questioned Documents in State Police training programs. Speak to various groups regarding the field of Questioned Documents. Assisting in training members of the Questioned Document Unit. Conduct research in the field on various topics.

Specialized Training:

Completed the required three year Questioned Document training program with the Michigan Department of State Police. In addition, the following training programs and workshops were also successfully completed:

Working with Write-On 2 Workshop, by Pierre Gaudreaux and Brian Lindblom for the Midwestern Association of Forensic Scientists annual meeting, Milwaukee, WI. 2012 (8 hours)

WThe Forensic Examination of Facsimile Copies Workshop, by Brian Lindblom for the Midwestern Association of Forensic Scientists annual meeting, Milwaukee, WI. 2012 (4 hours)

Managing Human Factors, by Dr. Scott Schappell for the American Society of Questioned Document Examiners Annual Meeting, Charleston, SC. 2012 (6 hours)

Individuality of Inkjet Printing, by Tanja Rottes and Rolf Fauser for the American Society of Questioned Document Examiners Annual Meeting, Charleston, SC. 2012 (4 hours)

Kinematic Features of Signature Writing, by Dr. Michael Caligiuri and Dr. Linton Mohammed for the American Society of Questioned Document Examiners Annual Meeting, Charleston, SC. 2012 (4 hours)

Digital Photography for Forensic Document Examiners, by David Witzke for the American Academy of Forensic Sciences Annual Meeting, Atlanta, GA. 2012 (8 hours)

Paper Fundamentals for Forensic Document Examiners, by Elaine Wooten and Jordan Brough for the American Academy of Forensic Sciences Annual Meeting, Atlanta, GA. 2012 (8 hours)

Note Taking Techniques and Considerations for Document Examiners, by Larry Olson and Gene Deitrich for the Midwestern Association of Forensic Scientists Annual Meeting Annual Meeting, Lombard, IL. 2011 (16 hours)

Using Adobe Photoshop in a QD Workflow, by George Reiss for the American Society of Questioned Document Examiners Annual Meeting, Philadelphia, PA. 2011 (6 hours)

Printing Process Identification for Forensic Document Examiners, by Scott Walters and Jeff Payne for the American Society of Questioned Document Examiners Annual Meeting, Philadelphia, PA. 2011 (8 hours)

Photoshop for Questioned Document Examiners, by George Reiss for the Midwestern Association of Forensic Scientists Annual Meeting, Kansas City, MO. 2010 (8 hours)

Identification Science, by Steve McKasson for the Midwestern Association of Forensic Scientists Annual Meeting, Kansas City, MO. 2010 (4 hours)

Typewriter Classification for the Forensic Document Examiner, for the Midwestern Association of Forensic Scientists Annual Meeting, Kansas City, MO. 2010 (4 hours)

Signature Examination: Translating Basic Science to Practice, by Michael Caligiuri and Linton Mohammed for the American Society of Questioned Document Examiners Annual Meeting, Victoria B.C., 2010 (8 hours)
Electronic Recording & Analysis of Handwritten Signatures & Writings, by Steven Strach, Nicholas Mettyear, and Andrea Devlin for the American Society of Questioned Document Examiners Annual Meeting, Victoria B.C., 2010 (4 hours)

Examination of Charred and Watersoaked Documents Workshop, by Gregg Mokraycki and Alan Haley for the Joint SAFS, MAFS, MAAFS and SWAFS meeting, Orlando, FL. 2009 (4 hours)

Valuable Signature Analysis Workshop, by Peter Belcastro for the Joint SAFS, MAFS, MAAFS and SWAFS meeting, Orlando, FL. 2009 (4 hours)

Hands-On Hyperspectral Imaging Workshop, by Linda Batyfaker for the Joint SAFS, MAFS, MAAFS and SWAFS meeting, Orlando, FL. 2009 (4 hours)

Challenging Signatures Workshop, by Frank Hicks for the American Society of Questioned Document Examiners Annual Meeting, Dearborn, MI. 2009 (4 hours)

Handwriting of a Homeogenous Population Workshop, by Marie Durina for the American Society of Questioned Document Examiners Annual Meeting, Dearborn, MI. 2009 (4 hours)

Examination of Documents Produced Using Inkjet Technology, by Gerald Laporte for the American Society of Questioned Document Examiners annual meeting, Dearborn, MI. 2009 (6 hours)

Skilled Simulations Workshop, by Tahnee Dewhurst for the American Society of Questioned Document Examiners annual meeting, Asheville, NC. 2008 (2 hours)

ABFDE Business Records Workshop, Dave Oleksow and Dennis Ryan for the American Society of Questioned Document Examiners annual meeting, Asheville, NC. 2008 (8 hours)

Typography – Testing to Testimony, by William Flynn and Kathleen Nicolaides for the American Society of Questioned Document Examiners annual meeting, Asheville, NC. 2008 (2 hours)

Working with Write-On 2 Workshop, by Brian Lindblom for the American Society of Questioned Document Examiners annual meeting, Asheville, NC. 2008 (2 hours)

Examining Documents Requiring a Multi-Faceted Approach, by Brian Lindblom for the Midwestern Association of Forensic Scientists annual meeting, Traverse City, MI. 2007 (8 hours)

Methods Used for Authenticating Questioned Documents, by Gerry LaPorte for the Midwestern Association of Forensic Scientists annual meeting, Traverse City, MI. 2007 (8 hours)

Forensic Examination of Computer Generated Documents, by William Flynn for the Midwestern Association of Forensic Scientists annual meeting, Traverse City, MI. 2007 (8 hours)

Courtroom Testimony for Forensic Document Examiners, by Dennis Ryan for the Midwestern Association of Forensic Scientists annual meeting, Traverse City, MI. 2007 (4 hours)

Fine and Subtle Features of Handwriting Workshop, by Lloyd Cunningham for the American Society of Questioned Document Examiners, Portland, Oregon (2006)

Signature Workshop, by Howard Rile and Frank Hicks for the American Society of Questioned Document Examiners, Portland, Oregon (2006)

How Frye and Daubert have Changed the Presentation of Criminalistics and Questioned Documents in Court, by Andre Moenssens and Justice Joseph J. Maltese for the AAFS annual meeting, Seattle, Washington, 2006 (8 hours)

Survival Course in the Post-Daubert Climate, by Andre Moenssens for the Midwestern Association of Forensic Scientists annual meeting, St. Louis, Missouri, 2005 (8 hours)

Identifying Printing Techniques Workshop, by Anna C. Baskin for the American Academy of Forensic Sciences annual meeting, New Orleans, Louisiana, 2005 (4 hours)

State of the Art Infrared and Ultraviolet Examinations of Documents by the Video Spectral Comparator Workshop, by Jerry Richards, John Sang, and David Tobin for the American Academy of Forensic Sciences annual meeting, New Orleans, Louisiana, 2005 (4 hours)

Maximizing Human Resources, by the Michigan State Police Training Academy, Lansing, Michigan (2005)

Leadership Development, by the Michigan State Police Training Academy, Lansing, Michigan (2005)

Supervisor Development, by Michigan State Police Training Academy, Lansing, Michigan (2005)

Checkwashing Workshop, by Jim Smith and Jan Seaman Kelly for the American Board of Forensic Document Examiners, Las Vegas, Nevada, 2004 (4 hours)

Facsimile Examinations Workshop, by Brian Lindblom for the American Board of Forensic Document Examiners, Las Vegas, Nevada, 2004 (4hours)

Adobe Photoshop for Document Examiners, by Derek Hammond and Lee Miller, for the American Board of Forensic Document Examiners, Las Vegas, Nevada, 2004 (4 hours)

Rubber Stamp Examinations, by Jan Seaman Kelly for the American Board of Forensic Document Examiners, Las Vegas, Nevada, 2004 (4 hours)

Reasoning Process for Document Examiners, by Floyd Whiting for the American Board of Forensic Document Examiners, Las Vegas, Nevada, 2004 (2 hours)

Multi-faceted Forensic Document Examinations, by Brian Lindblom and Jan Seaman Kelly for the American Board of Forensic Document Examiners, Las Vegas, Nevada, 2004 (6 hours)

Daubert and the Comparative Sciences Workshop, for the American Board of Forensic Document Examiners, Las Vegas, Nevada, 2004 (16 hours)

Identification of Handwriting Using Computer Modeling Workshop, by Dr. Hari Shrihari for the joint SAFS, MAFS, MAAFS, CSFS Meeting, Orlando, Florida, 2004 (4 hours)

The Examination of Large Document Cases Using Microsoft Access, by Lamar Miller for the joint SAFS, MAFS, MAAFS, CSFS Meeting, Orlando, Florida, 2004 (24 hours)

Fracture Match Workshop, by Steve McKasson for the Midwestern Association of Forensic Scientists, Columbus, Ohio, 2003 (24 hours)

Video Spectral Comparator 2000 Workshop, by David Tobin, Milwaukee, Wisconsin, 2002 (8 hours)

Note Taking for Document Examiners, by Tom Nelson & Larry Olson, Lansing, Michigan, 2002, (24 hours)

Signature Workshop, by Howard Rile for the American Society for Questioned Document Examiners, Des Moines, Iowa, 2001 (4 hours)

Microspectrometer – Training on the use of by Dr. Paul Martin, Lansing, Michigan, 2001 (8 hours)

Physical and Chemical Comparison of Inks, by Larry Olson and Jeanne Dietrich for the Midwestern Association of Forensic Scientists, Chicago, Illinois, 2000 (8 hours)

History of Handwriting & Handwriting Instruction, for the Midwestern Association of Forensic Scientists, Ann Arbor, Michigan, 1998 (16 hours)

Book Renovation and Restoration, by James W. Craven, Michigan Historical College-Bentley Library, U. of M., for the Midwestern Association of Forensic Scientists, Ann Arbor, Michigan, 1998 (8 hours)

Fundamentals of Document Examination for Laboratory Personnel, Federal Bureau of Investigation, at Quantico, Virginia, 1998 (32 hours)

Report Writing for Document Examiners II, by Thomas A. Nelson, Office of Inspector General, at Des Moines, Iowa, 1997 (24 hours)

ABFDE Image Enhancement/IR/Multi-Media Workshops, by Jerry Richards, Indianapolis, Indiana, 1997 (16 hours)

Electronic Media and Printing Technologies Workshop II, Lansing Community College, at Lansing, Michigan, 1997 (32 hours)

Basic Photocopier Workshop, by Greg Werth, Konica Corporation, and Diane Tolliver, Indiana State Police, at Dayton, Ohio, 1996(16 hours)

Identification of Fraudulent and Counterfeit Documents with the Application of Counterfeit Deterrence and Printing Process Techniques, by James F. Larner, United States Immigration and Naturalization Service, at Long Beach, California, 1994 (8 hours)

Typewriter Examinations and Classification Workshop, by Philip D. Boufard, Ph.D., for the Midwestern Association of Forensic Scientists, at Cleveland, Ohio, 1994 (27 hours)

Video Imaging Workshop, presented by N.A.S.A., for the Midwestern Association of Forensic Scientists Annual Meeting, Cleveland, OH., 1994 (8 hours)

Electronic Media and Printing Technologies Workshop, Lansing Community College, for the Midwestern Association of Forensic Scientists at Lansing, Michigan, 1994 (20 hours)

Questioned Document Course 101, United States Secret Service, Glynco, Georgia, 1994 (80 hours)

Expert Witness School, by the Michigan Department of State Police, Lansing, MI. 1994 (40 hours)

Classification and Identification of Checkwriters, by Thomas Vastrick, United States Postal Service, for the Midwestern Association of Forensic Scientists Annual Meeting at Madison, Wisconsin, 1993 (4 hours)

Fax Facts, by Diane K. Tolliver, Indiana State Police, at Madison, Wisconsin, 1993 (4 hours)

Report Writing for Document Examiners, by Retired Michigan State Police Lt. Thomas A. Nelson, at Thompsonville, Michigan, 1993 (20 hours)

Certification: Diplomat of the **American Board of Forensic Document Examiners** (ABFDE), certification #306, September 2001.

Professional Organizations: American Society of Questioned Document Examiners (ASQDE) – **Member**

Involvement: Program Co-Chair – 2011

Exhibitor Coordinator – 2009, 2011

Meetings: 1994, 2001, 2002, 2003, 2005, 2006, 2008, 2009, 2010, 2011, 2012

Midwestern Association of Forensic Scientists (MAFS) - **Member**

Involvement: Past President / Nomination Committee Chair – 2012, 2013

President – 2011, 2012

President Elect – 2010, 2011

Membership Chair – 2010, 2011

Board of Director's – At Large Member 2008, 2009, 2010

Bylaws & Admin Rules Committee Chair 2009, 2010

Training and Education Committee 2008

Section Coordinator (Questioned Document Section) 1995, 1996, 1997, 2007, 2008

Spring Workshop Coordinator 1994, 1997

Fall Workshop Coordinator 1997, 2007, 2008

Section Coordinator for the Questioned Document Section for the joint SAFS, MAFS, MAAFS, CSFS Meeting 2004

Meetings: 1993, 1994, 1996, 1997, 1998, 2000, 2001, 2002, 2003, 2004, 2005, 2007, 2008, 2009, 2010, 2011, 2012
Award: *New Scientist Award* for Professional Excellence, presented at the Annual Meeting, Des Moines, Iowa 1997.

American Academy of Forensic Sciences (AAFS) – **Member**

Involvement: Membership Committee Chair, Questioned Document Section 2005, 2006

Meetings: 2003, 2005, 2006, 2012

Member At-Large – Main Committee on the Scientific Working Group for Document Examiners (SWGDOC) 1996 to 2000.

Chair – 2008 MFRC QD symposium, Ames, IA.

**Research, Papers
and Presentations:**

Authored: *The Mark and Obliteration of the “X”* which was presented to the Midwestern Association of Forensic Scientists at their annual meeting in 1993 and to the American Society of Questioned Document Examiners at their Annual meeting in 1995.

Authored: *The Eradication of Impression Evidence* which was presented to the Midwestern Association of Forensic Scientists at their annual meeting in 1996.

Paper Validation presentation: “A Preliminary Look at Whether Paper Tears are Individual and Unique” (2005) to the American Society of Questioned Document Examiners, Montreal, Canada.

Paper Validation Results presentation: “Fracture Match: A Validation Study to Determine Uniqueness of Paper Tears” (2006) to the American Society of Questioned Document Examiners, Portland, Oregon.

Case presentation: “Distorted Writing – Identification or Elimination” (2007) to the Midwestern Association of Forensic Scientists, Traverse City, MI.

Paper Validation (Part I and Part II) presentation of results: “Fracture Match: A Validation Study to Determine Uniqueness of Paper Tears” (2009) to the American Society of Questioned Document Examiners, Dearborn, MI.

Conduct research within the laboratory on problems faced daily by Forensic Document Examiners.

Publications:

The Mark and Obliteration of the “X”, International Journal of Forensic Document Examiners, Volume 5, pages 245-248, 1999.

Fracture Match: A Validation Study of Paper Tears, Part I, Journal of the American Society of Questioned Document Examiners, Inc. Volume 13, Number 1, 2010.

**Court
Testimony:**

Have given testimony as an expert witness in Federal Court, State Circuit Court, District Court, and Administrative Hearings.