

QUESTIONED DOCUMENTS

Thursday

Security Designs, Alterations, and Counterfeiting

Moderator: Zain Bhaloo

Co-Moderator: Larry Olson

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|---------------------|-----------|--|
| 8:30 AM – 9:00 AM | K1 | An Examination of Questioned Documents Using Digital Grid Overlays
<i>Mark Goff, BA*</i> ; <i>McKenzie Weyh, BS</i> |
| 9:00 AM – 10:00 AM | K2 | The Security Design of the Next Generation U.S. Passport, U.S. Emergency Passport, and U.S. Bridge Visa
<i>Traci Moran, MFS</i> ; <i>Joel Klotnick, MS*</i> |
| 10:00 AM – 10:30 AM | K4 | BREAK |
| 10:30 AM – 10:45 AM | K3 | The Characterization of Polymers of Counterfeit Identity Documents of European Union (UN) Member States
<i>Jasna Galekovic*</i> ; <i>Veronika Marinovic, PhD</i> ; <i>Andrea Ledic, MS</i> |
| 10:45 AM – 11:15 AM | K4 | WITHDRAWN |
| 11:15 AM – 11:45 AM | K5 | Fraud and the United States Postal Service (USPS): A Focus on Stamps
<i>Lisa Tolli, MS</i> ; <i>Patricia Manzollilo, MSFS*</i> ; <i>Stephanie Kingsbury, MSFS</i> ; <i>Haley Elliott, MS</i> |
| 11:45 AM – 1:30 PM | | BREAK |

Forensic Document Examination Standards Development and Trending Topics

Moderator: Ted Burkes

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| 1:30 PM – 1:45 PM | K6 | An Update on Standards Development Activities Related to Forensic Document Examination
<i>Kevin Kulbacki, MSFS*</i> |
| 1:45 PM – 2:00 PM | K7 | The Forensic Document Examination (FDE) Steering Committee
<i>Timothy Campbell, BSc*</i> |
| 2:00 PM – 3:00 PM | K8 | The Forensic Document Examination (FDE) Forum
<i>Carl McClary, MS*</i> ; <i>Karen Nobles, MFS</i> ; <i>Samiah Ibrahim, BA, BSc</i> |

Poster Session

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| 11:30 AM – 1:00 PM | K9 | Black-Box Metamodeling Between Feature Combinations for Paired Comparisons of Documents of Forensic Handwriting Data
<i>Cami Fuglsby, MS*</i> ; <i>Christopher Saunders, PhD</i> ; <i>Danica Ommen, PhD</i> ; <i>JoAnn Buscaglia, PhD</i> |
| 11:30 AM – 1:00 PM | K10 | Fontastique! Framework for the Comparison and Evaluation of Currently Available Typeface Identification Applications for the Modern Forensic Document Examiner
<i>Zain Bhaloo, MSc; BScH*</i> |

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11:30 AM – 1:00 PM	K11	Handwriting Variability in Adult Writers With Attention Deficit Hyperactivity Disorder (ADHD) Pre- and Post-Medication: A Pilot Study <i>Christopher Burke, MS*; Heidi Harralson, MA; Larry Miller, PhD</i>
11:30 AM – 1:00 PM	K12	Quantifying Bayes Factors for Forensic Handwriting Evidence <i>Anyesha Ray, BS*; Danica Ommen, PhD</i>
11:30 AM – 1:00 PM	K13	Quantifying Writer Variance Through Rainbow Triangle Graph Decomposition of the Common Word “the” <i>Alexandra Arabio, BS*; Alicia Carriquiry, PhD; Danica Ommen, PhD</i>
11:30 AM – 1:00 PM	K14	Training, Education, and Certification of Forensic Document Examiners in the United States <i>Lauren Turnacioglu, BA*; Lyndsie Ferrara, PhD; Gary Licht, MS; Khody Detwiler, BS</i>
11:30 AM – 1:00 PM	K15	Twin Convolutional Neural Networks to Classify Writers Using Handwriting Data <i>Pilhyun Lim, MS*; Danica Ommen, PhD</i>

Friday

Handwriting, Algorithms, and Ink Analysis and Evaluation

Moderator: Dianne Flores

8:30 AM – 8:45 AM	K16	A Comparison of FLASH ID and Handwriter: Two Handwriting Analysis Programs <i>Stephanie Reinders, PhD*; Danica Ommen, PhD; Alicia Carriquiry, PhD</i>
8:45 AM – 9:00 AM	K17	Determining Authorship Among the Handwriting of Fifth Graders: A Case Study <i>Sandra Raudabaugh, BS*</i>
9:00 AM – 9:15 AM	K18	Handwriting Comparison Examinations With Limited Known Writing Samples <i>Donald Moryan, BS*</i>
9:15 AM – 9:30 AM	K19	Signature Verification Algorithms: What They Are, How They Are Used, and How to Evaluate Them <i>Kevin Kulbacki, MSFS*; Nikolaos Kalantzis, MSc; Batya Fuchs, MSc</i>
9:30 AM – 10:00 AM		BREAK
10:00 AM – 10:15 AM	K20	Signature Verification Algorithms: Potential Forensic Uses and Bias Considerations <i>Kevin Kulbacki, MSFS*; Nikolaos Kalantzis, MSc; Batya Fuchs, MSc</i>
10:15 AM – 10:45 AM	K21	The Robert Durst Case: Revisiting Myths of Handprinting Examinations <i>Linton Mohammed, PhD*; Lloyd Cunningham</i>
10:45 AM – 11:00 AM	K22	A Failure Analysis of Ink Samples Using Multiple Modes of Pyrolysis-Gas Chromatography/Mass Spectrometry (PY-GC/MS) <i>Athena Nguyen, BS*</i>
11:00 AM – 11:15 AM	K23	A Spectroscopic Evaluation of Two Black Pen Inks Using Video Spectral Comparator <i>Rafal Turek, MS*</i>