QUESTIONED DOCUMENTS

Wednesday

Poster Session

11:30 am – 1:00 pm	**K1**	**Microbial Influence on Changes in Crystal Violet Concentration in Ballpoint Pen Ink Strokes on Paper** Veronika Marinović, PhD*; Marija Vuković Domanovac, PhD; Stjepan Brzica, MSc; Andrea Ledic, PhD
11:30 am – 1:00 pm	**K2**	**The Challenges in Forensic Document Examination Considering Technological Advances: The Age of AI** Daniella de Castilho Bandeira, DHSc*

Thursday

AI and Forensic Document Examination

Moderator: Mary O'Brien — Co-Moderator: Kate Butler, BS

8:30 am – 8:50 am	**K3**	**Methodological Triangulation With Artificial Intelligence in Forensic Document Examination: A Cross-Validation Protocol With Preliminary Field Observations** Cristiane V. Viana Barbosa, MSc*; Dineusa M. Maria Do Amaral, LLB *(FSF Emerging Forensic Scientist Award Oral Presentation)*
8:50 am – 9:10 am	**K4**	**The Detection and Resistance of Artificial Intelligence Systems to Prompt Injection in Digital Legal Documents: A Comparative Experimental Study** Cristiane V. Viana Barbosa, MSc*; Dineusa M. Maria Do Amaral, LLB
9:10 am – 9:30 am	**K5**	**Can AI Restore What a Scan Never Captured? A Preliminary Forensic Evaluation of AI-Based Super-Resolution in Handwriting Images** Dineusa M. Maria Do Amaral, LLB*; Cristiane V. Viana Barbosa, MSc
9:30 am – 9:50 am	**K6**	**Can AI Spot the Fake? A Pilot Study on AI Performance in Document Authenticity Examinations** Zain Bhaloo, MSc*

New Technology in Forensic Document Examination

Moderator: Mary O'Brien — Co-Moderator: Kate Butler, BS

9:50 am – 10:20 am	**K7**	**A Preliminary Analysis of Coulthard Tuples as a Feature for Stylometric Authorship Attribution** Patrick Juola, PhD*
10:20 am – 10:50 am	**K8**	**A Comparison of Free Open-Source Raster Image Editing Software to Adobe Photoshop for Forensic Document Examiners** Mark T. Goff, BA*; Lisa Jacobs, BS*
10:50 am – 11:30 am	**K9**	**The Wild Ways of Morphing Font Technologies: How Variable Fonts and OpenType Layout Change Font Glyphs** Thomas Phinney, MS
10:30 am – 1:00 pm		**BREAK**

*Presenting Author

QUESTIONED DOCUMENTS

Standardization in Forensic Document Examination

Moderator: Carolyn Bayer-Broring, MFS — Co-Moderator: Diane Flores, MFSA

1:00 pm – 1:20 pm	**K10**	**An Update on Standards Development Activities Related to Forensic Document Examination** Kevin P. Kulbacki, DFS*
1:20 pm – 1:40 pm	**K11**	**An Update of the ASB Sub-Committee for Standard 237, the Standard for the Expression of Opinions in Forensic Document Examination** Thomas Walter Vastrick, BSFS*
1:40 pm – 2:00 pm	**K12**	**ISO 20143 PARTS 4 and 5: Forensic Document Examination** Linton Aphzal Mohammed, PhD*
2:00 pm – 2:30 pm	**K13**	**A Primer on the Forthcoming ASB Technical Report on the Forensic Reliability of eSignatures for a Determination of Authorship** Kevin P. Kulbacki, DFS*
2:30 pm – 3:00 pm	**K14**	**The American Board of Forensic Document Examiners: The History and Future of FDE Certification** Meg O'Brien, MS*
3:00 pm – 3:30 pm	**K15**	**The Forensic Document Examiner Forum** Zain Bhaloo, MSc*; Mark T. Goff, BA*

Friday

Forensic Document Examination Writing Examination

Moderator: Mark Goff, BA — Co-Moderator: Zain Bhaloo, MSc

8:30 am – 8:50 am	**K16**	**Longitudinal Development of Individual Handwriting Features in School-Age Children** Andrea Ledic, PhD*; Tamara Draskovic, MSc
8:50 am – 9:10 am	**K17**	**Neurodegenerative Diseases: Their Effect on Signatures and Handwriting** Linton Aphzal Mohammed, PhD*
9:10 am – 9:20 am	**K18**	**The Use of Civil Service Handwriting in Foreign Identity Documents** Carolyn M. Bayer-Broring, MFS*
9:20 am – 9:40 am	**K19**	**Can What Cannot Be Read Be Examined? A Decision Framework for the Forensic Examination of Handwriting in Unfamiliar Writing Systems** Dineusa M. Maria Do Amaral, LLB*; Cristiane V. Viana Barbosa, MSc
9:40 am – 10:00 am	**K20**	**Identity, Identity Documents, and Questioned Document Examination: Lessons From My Post-Government Adventures** Elaine Wooton, MFS*
10:00 am – 10:20 am	**K21**	**Forensic Assessment of Handwriting Characteristics in Individuals With Anxiety Disorders: A Comparative Pre- and Post-Onset Study** Ridamjeet Kaur, PhD*

QUESTIONED DOCUMENTS

10:20 am – 10:40 am **K22** **Using Forensic Document Examination Techniques to Study Scribal Authorship: The Case of the "Reichenau Group" 9th-Century Irish Manuscripts**
Peter Fraundorfer, APM*; Heidi H. Harralson, PsyD

10:40 am – 11:00 am **K23** **Methods and Characteristics of Auto-Forgery and Disguise in Handwritten Signatures**
Emilie Casey Miller, MA; Chris Rush, PhD; Heidi H. Harralson, PsyD*; Larry S. Miller, PhD