

JURISPRUDENCE

Thursday

Poster Session

- 11:30 am – 1:00 pm **G1** **Facial Recognition Technologies in Police and Security Activities: Legal Aspects in the Era of the European AI Act**
*Donatella Curtotti, PhD**; *Sebastiano Battiato, PhD*; *Giovanni Ziccardi, PhD*
- 11:30 am – 1:00 pm **G2** **The Italian National Cybersecurity Agency (ACN) and Criminal Justice: An Integrated Cooperation Model for Cyber Resilience, Crime Prevention, and Security**
*Donatella Curtotti, PhD**; *Gianluca Ignagni, MA**; *Marcello Albergoni, MA**; *Guido Colaiacovo, PhD*; *Federico Niccolò Ricotta, PhD*; *Alessandro Valenti, MA*
- 11:30 am – 1:00 pm **G3** **The SARS-CoV-2 Vaccination Mandate in Light of Italian Constitutional Court Judgments No. 14 and No. 15 of 2023**
*Anna Santamaria, MD**; *Simone La Torre, MD*; *Giuseppe Rinaldi, MD*; *Miriam Solenne, MD*; *Valentina Milone, MD*; *Jeannet Cappitelli, MD*
- 11:30 am – 1:00 pm **G4** **Transnational Investigations on Encrypted Platforms: The Italian Experience**
*Donatella Curtotti, PhD**; *Vittorio Rizzi*; *Giuseppe Giliberti*; *Wanda Nocerino, PhD*

Morning Session

Moderator: Mary Izadi, JD

- 8:30 am – 8:55 am **G5** **Strategic Opportunities to Advance Forensic Science in the United States: A Path Forward Through Research and Standards**
*Henry Swofford, PhD**
- 8:55 am – 9:15 am **G6** **Communicating Forensic Findings**
*Sandra Koch, PhD**; *John Paul Jones, MBA**
- 9:15 am – 10:00 am **G7** **Black-Box and Other Forensic Decision Analysis Studies: Understanding Limitations and Criticisms**
*R. Austin Hicklin, PhD**; *Nicole Richetelli, PhD**; *JoAnn Buscaglia, PhD**

10:00 am – 10:20 am **BREAK**

Moderator: Michele Vaira, JD

- 10:20 am – 10:40 am **G8** **Standards Use in Legal Proceedings and Primers for Officers of the Court**
*John Paul Jones, MBA**; *Dana Delger, JD**
- 10:40 am – 11:00 am **G9** **Direct-to-Stakeholders: One State's Centralized Effort to Improve Crime Laboratory Record Discovery and Increase Transparency in Forensic Science**
*Leigh Tomlin, JD**; *Kevin Callahan, MS*
- 11:00 am – 11:30 am **G10** **When Are Opinions "Based on My Training and Experience" (BOMTAE) Reliable— And How Can You Show It?**
*Colin Bellair, JD**; *Pate Skene, PhD**

11:30 am – 1:00 pm **BREAK**

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NIST DNA Studies Findings

Moderator: Michele Vaira, JD

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| 1:00 pm – 1:30 pm | G11 | DNA Human Factors Study
<i>Melissa Taylor, BA*</i> |
| 1:30 pm – 2:00 pm | G12 | DNA Mixture Interpretation Foundation Study
<i>John Butler, PhD*</i> |

Activity-Level Propositions and TTRP

Moderator: Charlotte Word, PhD

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| 2:00 pm – 2:45 pm | G13 | How Should DNA Analysts Answer the “How” Questions? Pitfalls and Recommendations for Evaluations of DNA Results Given Activity-Level Propositions
<i>Lynn Garcia, JD*</i> |
| 2:45 pm – 3:00 pm | | BREAK |
| 3:00 pm – 4:00 pm | G14 | Bridging the Knowledge Gap on DNA-TPPR in the American Court System
<i>Clinton Hughes, JD*; John Schmid, JD*</i> |
| 4:00 pm – 4:15 pm | | Q&A Discussion: ALP and TTRP |
| 4:15 pm – 4:30 pm | | BREAK |

DNA Evidence Disclosure and Communication

Moderator: Paul Messner, JD

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| 4:30 pm – 4:50 pm | G15 | Communicating Complex Topics in Forensic DNA Through Data and Process Visualization
<i>Nathaniel Adams, BS*; Dan Krane, PhD</i> |
| 4:50 pm – 5:30 pm | G16 | DNA’s Value as Evidence for the Accused: Increasing the Awareness of Potentially Favorable Evidence in DNA Casework
<i>Joseph Cavise, JD*; Nicolas Hughes, JD*; Jessica Goldthwaite, JD; Allison Lewis, JD</i> |

Friday – Session I

Morning Session

Moderator: Danielle Ruttman, JD

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| 8:30 am – 9:10 am | G17 | Validation
<i>Erin Forry, MS*; Melissa Taylor, BA*; Robert Ramotowski, MSFS*</i> |
| 9:10 am – 9:40 am | G18 | Firearm Examination Foundation Study
<i>Theodore Vorburger, PhD*; Steven Lund, PhD*</i> |
| 9:40 am – 10:00 am | | BREAK |

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Moderator: J.D. Schmid, JD

- 10:00 am – 10:45 am **G19** **The False Promise of Firearms Examination Validation Studies: Lay Controls, Simplistic Comparisons, and the Failure to Soundly Measure Misidentification Rates**
*Richard Gutierrez, JD**; *Emily Prokesch, JD**
- 10:45 am – 11:30 am **G20** **Exploring New Approaches to Reporting Inconclusive Decisions in Firearm and Toolmark Comparison**
*Lynn Garcia, JD**; *Henry Swofford, PhD*
- 11:30 am – 1:00 pm **BREAK**

Afternoon Session

Moderator: Robert Taylor, Jr., JD

- 1:00 pm – 1:45 pm **G21** **A Collaborative Approach to Informing the Adoption of Trustworthy AI in Forensic Science and Legal Proceedings**
*Melissa Taylor, BA**; *Dana Delger, JD*; *Henry Swofford, PhD*; *Niki Osborne, PhD*
- 1:45 pm – 2:10 pm **G22** **Overcoming Unscientific Opposing Arguments Using Relevant Data**
*Jennifer Bracamontes, MS**; *William Allan, MASc*; *Mark Perlin, MD, PhD*
- 2:10 pm – 2:30 pm **G23** **Data Transparency in Probabilistic Genotyping Validation Studies**
*Nathaniel Adams, BS**; *Dan Krane, PhD*
- 2:30 pm – 2:45 pm **BREAK**

Moderator: Mary Dayton, JD

Co-Moderator: Colin Bellair, JD

- 2:45 pm – 3:30 pm **G24** **AI and Black-Box Algorithms, Wrongful Conviction Risks, and the Importance of Access to Evidence**
*Mitha Nandagopalan, JD**
- 3:30 pm – 4:15 pm **G25** **Litigating AI-Generated Child Sex Abuse Material: Technical and Legal Challenges**
*Marc Canellas, PhD**
- 4:15 pm – 4:30 pm **BREAK**
- 4:30 pm – 5:30 pm **G26** **A Few Common Misconceptions in AI**
*Jeffrey Holmes, JD**

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Friday – Session II

Morning Session

Moderator: Ashfaq Kharal, PhD

- 8:30 am – 9:00 am **G27** **Confronting the Confrontation Clause**
*Raymond Valerio, JD**; *Ray Wickenheiser, DPS*
- 9:00 am – 9:30 am **G28** **What Experts and Attorneys (and Hopefully Judges) Need to Know About the New Federal Rule of Evidence 702**
*Donald Shelton, JD**
- 9:30 am – 10:00 am **G29** **The Conclusion May Not Be As It Appears: Does Your Evidence Interpretation Address the Right Question?**
*Jack Hietpas, PhD**; *JoAnn Buscaglia, PhD**; *Danica Ommen, PhD*; *Janean Hanka, MS*; *Christopher Saunders, PhD*

Moderator: Gail Groy, JD

- 10:00 am – 10:15 am **BREAK**
- 10:15 am – 10:40 am **G30** **Reevaluating the Current State of Forensic Accreditation in the United States**
*Brian Gestring, MS**
- 10:40 am – 11:00 am **G31** **Footwear and Tire Impression Exam Foundation Study**
*Kelly Sauerwein, PhD**
- 11:00 am – 11:30 am **G32** **The Accuracy of Cadaver Dogs to Detect Human Residual Odor in a Scientific Test: Implications for the Courts**
*Dawnie Steadman, PhD**; *Mary Cablk, PhD**; *Shawn Campagna, PhD**; *James Ha, PhD**; *Mary Davis, MS*; *Zane Vickery, BS*; *Hector Castro, PhD*; *Katarina Jones, PhD*