

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

- 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**
*Sandara 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**
- 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

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

Activity-Level Propositions and TTRP

- 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**
*Lynn Garcia, JD**
- 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**
Clinton Hughes, JD; John Schmid, JD*
- 4:00 pm – 4:15 pm **Q&A Discussion: ALP and TTRP**
- 4:15 pm – 4:30 pm **BREAK**

DNA Evidence Disclosure and Communication

- 4:30 pm – 4:50 pm **G15** **Communicating Complex Topics in Forensic DNA Through Data and Process Visualization**
Nathaniel Adams, BS; Dan Krane, PhD*
- 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**
Joseph Cavise, JD; Nicolas Hughes, JD*; Jessica Goldthwaite, JD; Allison Lewis, JD*

Friday – Session I

Morning Session

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

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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

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**

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**

Friday – Session I

Morning Session

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*

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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 Gestrung, 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*