

# JURISPRUDENCE

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## Thursday

### Poster Session

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- 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

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- 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**
- 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

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- 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

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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**  
*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

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- 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

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- 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

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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 II

### Morning Session

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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*