

# Harnessing the Power of AI Systems in Forensic Science

Tuesday July 8 – Wednesday July 9, 2025

Day 1 | Tuesday July 8 | 9:00 AM - 5:00 PM

Time	Topic	Presenter
9:00 – 9:05 AM	Opening Remarks and Welcome	Nicole Jones, RTI International Michael Rosenblum, Johns Hopkins Bloomberg School of Public Health
9:05 – 9:20 AM	Overview of AI and Forensic Science at RTI International	Duren Banks, RTI International
9:20 – 9:40 AM	Overview of AI and Forensic Science at NIST	Craig Schlenoff, National Institute of Standards and Technology
9:40 – 10:10 AM	Keynote: Transformative Potential of AI	John C. Havens, Institute of Electrical and Electronics Engineers Planet Positive 2030
10:10 – 10:25 AM	Break	
10:25 – 10:45 AM	Understanding AI: Concepts, Capabilities, and Standards	Martin Stanley, National Institute of Standards and Technology
10:45 – 11:55 AM	AI In Action Panel: How AI is Used in Various Industries	Moderator: Nicole Jones, RTI International Esube Bekele, In-Q-Tel Yaneisy Delgado, Miami-Dade Sheriff's Office, Forensic and Technology Division Emily Hadley, Microsoft AI Red Team Stephanie Stoiloff, Miami-Dade Sheriff's Office, Forensic and Technology Division Dr. Peter Stout, Houston Forensic Science Center Agnes Winokur, Drug Enforcement Administration Special Testing and Research Laboratory Andrew Wong, Miami-Dade County Information Technology Department
11:55 – 12:55 PM	Lunch & Lightning Round Presentations	Johns Hopkins University Data Science and AI Institute Faculty
12:55 – 1:05 PM	Introduction to Breakouts	
1:05 – 1:55 PM	Breakout 1: Knowledge Sharing <i>Introductions, small group knowledge sharing activity, and report out</i>	

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Time	Topic	Presenter
1:55 – 2:45 PM	Introduction to Use Cases, Risk Management Framework, and AI Tools	Michael Duprey, RTI International Daniel Katz, Maryland State Police Forensic Sciences Division Dr. Niki Osborne, The Forensic AI Melissa Taylor, National Institute of Standards and Technology
2:45 – 3:10 PM	Intro to Breakout 2 and Short Break	
3:10 – 4:40 PM	Breakout 2: Use Case Brainstorming <i>Defining AI forensics use cases and identifying potential solutions and prioritization</i>	
4:40 – 5:00 PM	Day 1 Recap	Henry Swofford, National Institute of Standards and Technology

## Day 2 | Wednesday July 9 | 9:00 AM - 5:00 PM

Time	Topic	Presenter
9:00 – 9:15 AM	Welcome and Objectives for Day 2	Melissa Taylor, National Institute of Standards and Technology
9:15 – 10:15 AM	Keynote: High-stakes Decision-making and Court Acceptance	Moderator: Nicole Jones, RTI International Dana Delger, National Institute of Standards and Technology Reva Schwartz, Civitaas Insights, LLC Hon. (ret) Donald E. Shelton, Michigan State University and University of Arizona Amy Watroba, Illinois Forensic Science Commission
10:15 – 10:30 AM	Break	

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Tuesday July 8 – Wednesday July 9, 2025

Day 2 | Wednesday July 9 | 9:00 AM - 5:00 PM

Time	Topic	Presenter
10:30 – 11:30 AM	<b>Implementing AI Systems for Forensic Science</b> <i>Attributes, testing, evaluation and continuous monitoring and policy implication</i>	<b>Moderator: Michael Duprey,</b> RTI International <b>Andrea Brennen, In-Q-Tel</b> <b>Brandon Epstein, Magnet Forensics</b> <b>Michael Majurski, National Institute of Standards and Technology</b> <b>Michael Rosenblum, Johns Hopkins Bloomberg School of Public Health</b>
11:30 – 12:30 PM	Lunch	
12:30 – 12:45 PM	Introduction to Breakouts and Short Break	
12:45 – 1:50 PM	Breakout 3: Court Admissibility: Reliability and General Acceptance	
1:50 – 2:15 PM	Breakout 4: Prepare Report Out and Summary Materials	
2:15 – 3:00 PM	Report Out by Breakout Group	
3:00 – 3:30 PM	Synthesize Findings and Opportunity Areas from Breakouts	<b>Henry Swofford, National Institute of Standards and Technology</b>
3:30 – 3:45 PM	Break	
3:45 – 4:45 PM	Closing Panel: Path Forward for AI in Forensic Science	<b>Moderator: Marc Canellas, Maryland Office of the Public Defender</b> <b>Moderator: Melissa Taylor, National Institute of Standards and Technology</b> <b>Ted R. Hunt, Federal Bureau of Investigation Laboratory</b> <b>Hon. (ret) Donald E. Shelton, Michigan State University and University of Arizona</b> <b>Stephanie Stoiloff, Miami-Dade Sheriff's Office, Forensic and Technology Division</b> <b>Dr. Peter Stout, Houston Forensic Science Center</b>

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**Time**

**Topic**

**Presenter**

**4:40 – 5:00 PM**

**Day 2 Recap**

**Henry Swofford, National Institute of  
Standards and Technology**

**Melissa Taylor, National Institute of  
Standards and Technology**