

CSAFE FIELD UPDATE

MONDAY, JUNE 14, 11:00 AM–4:00 PM CDT

11:00 AM Welcome from CSAFE and NIST Leadership Team

11:15 AM Session 1 – Insights from the Inside

Our researchers will present insights from our top publications from the past year, providing an overview, forensic applications, and future directions. Each breakout session will last 25 minutes, with 5 minutes between each session to allow you to move to different breakout rooms.

BREAKOUT ROOM A

11:15 AM **Implementing Blind Proficiency Testing in Forensic Laboratories: Motivation, Obstacles, and Recommendations**
Robin Mejia, Carnegie Mellon University

11:45 AM **Judges and Forensic Science Education: A National Survey**
Brandon Garrett, Duke University

12:15 PM **Mt. Everest—We are Going to Lose Many: A Survey of Fingerprint Examiners' Attitudes Towards Probabilistic Reporting**
Simon Cole, University of California, Irvine

BREAKOUT ROOM B

11:15 AM **Treatment of Inconclusive Results in Error Rates of Firearms Studies**
Heike Hofmann, Iowa State University

11:45 AM **A Field Analysis of Laboratory Case Processing: Print Comparison and Examiner Conclusions**
Brett Gardner, University of Virginia and Maddisen Neuman, Houston Forensic Science Center

12:15 PM **Psychometric Analysis of Forensic Examiner Behavior**
Amanda Luby, Swarthmore College

BREAKOUT ROOM C

11:15 AM **A Clustering Method for Graphical Handwriting Components and Statistical Writership Analysis**
Alicia Carriquiry, Iowa State University

11:45 AM **Statistical Methods for the Forensic Analysis of Geolocated Event Data**
Padhraic Smyth, University of California, Irvine

12:15 PM **EviHunter: An Android Application Forensic Artifacts Database**
Yong Guan, Iowa State University

12:40 PM Break

1:00 PM Session 2 – What’s Next at CSAFE

Our researchers will share the new projects they are currently working on. Each breakout session will last 25 minutes, with 5 minutes between each session to allow you to move to different breakout rooms.

BREAKOUT ROOM A

1:00 PM **Evaluating Foundational Validity of Toolmark Analysis**
Maria Cuellar, University of Pennsylvania

1:30 PM **Subclass Characterization and Analysis of Firearms**
Keith Morris, West Virginia University

BREAKOUT ROOM B

1:00 PM **Statistical Methods for Bloodstain Pattern Analysis**
Hal Stern, University of California, Irvine

1:30 PM **Statistical Models for the Generation and Interpretation of Footwear Impression Evidence**
Charless Fowlkes, University of California, Irvine

2:00 PM Session 3 – Applying Algorithms to Forensic Science Analysis

In this two-part session, learn how algorithms are becoming a helpful tool and critical considerations for their implementation. Separate panels will deliver each section and be available for discussion immediately following their respective presentations.

Part 1: Discover algorithmic approaches currently being implemented in forensic science labs and disciplines.

Part 2: Consider the ethical implications of algorithms and when they should or should not be explored as an option.

4:00 PM Adjourn

