Principal Investigators

• Alicia Carriquiry, Iowa State University (Director)
• Stephen Fienberg, Carnegie Mellon University
• Karen Kafadar, University of Virginia
• Hal Stern, University of California Irvine

Program Coordinator:

• Stacy Renfro, Iowa State University
Organization

- CSAFE is an umbrella organization that includes:
  - The NIST Center of Excellence in Forensic Science
  - The Midwest Forensic Resource Center (MFRC)
- The NIST Center of Excellence is the major partner in CSAFE.
Mission of CSAFE

We have a three-fold mission:

• To carry out research in the statistical and probabilistic foundations of pattern evidence and digital evidence
• To engage the community of forensic practitioners
• To develop training in statistics and probability for practitioners, the legal profession and other stakeholders
Focus Areas

Human Factors

Statistical Foundations
- Handwriting
- Firearms & Toolmarks
- Shoeprints & Treadmarks
- Fingerprints
- Digital Forensics
- Blood Pattern Analysis

Training & Education
Partnership with NIST

• The NIST Center of Excellence is a close partner of NIST.
• Scientists in CSAFE work with NIST collaborators to carry out its mission.
• Partnership includes:
  • Research collaboration
  • Visits from CSAFE to NIST and vice versa
  • Shared on-line resources for practitioners and other researchers.
Collaboration

- Medical Professionals
- Lawyers
- Judges
- Universities
- International Partners
- Forensic Practitioners
- Subject Matter Experts
- Law Enforcement
Recent collaborations

- Sensofar: Development of imaging algorithm for bullets, breech face and pin impressions to facilitate forensic analyses.
- American Bar Association (ABA): Statistics instruction for judges.
- Ames Laboratory: Data collection in different areas.
- DOJ: Forensic science disciplines review.
- DFSC: Review of new approaches for latent fingerprint analyses.
- Palm Beach (FL) and Tri-County Regional (MN) laboratories: Statistics primer for forensic providers.
We provide a venue where scientists in different disciplines, as well as practitioners, can address important forensic problems. Short or long visits to any of the partner institutions can be arranged. Summer internships for undergraduate and graduate students, as well as post-doctoral positions are available. For information, please contact:

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Or visit www.forensicstats.org