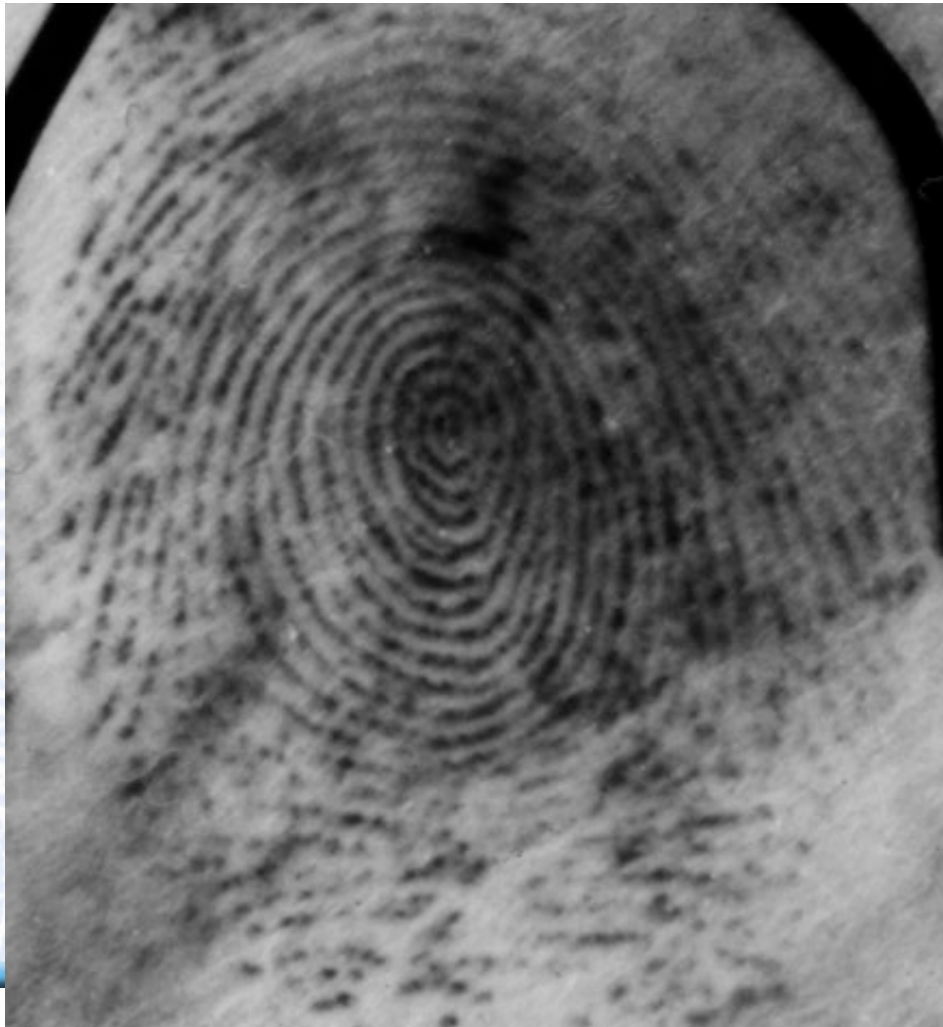# COGENT SYSTEMS

# NIST Latent Fingerprint Workshop

**Tom Hopper**
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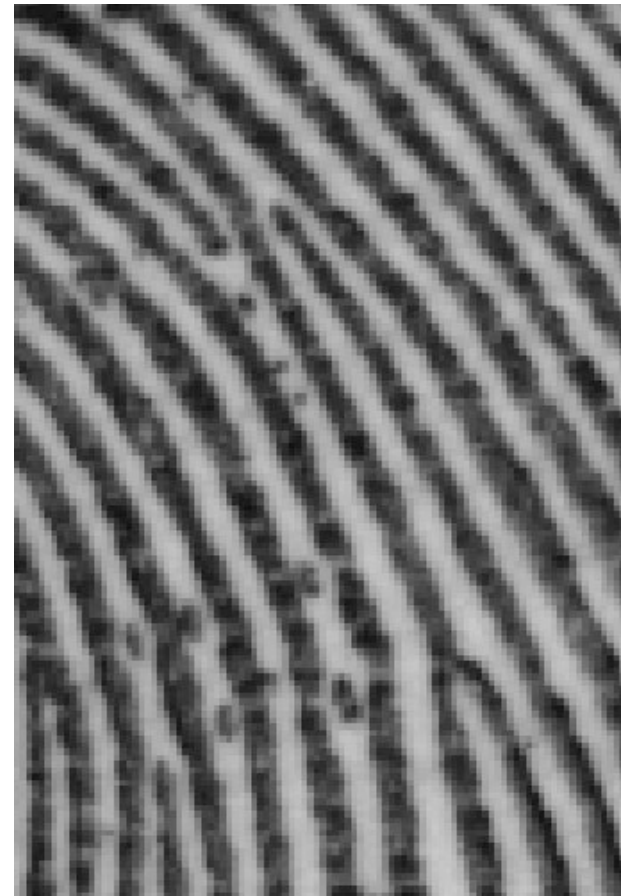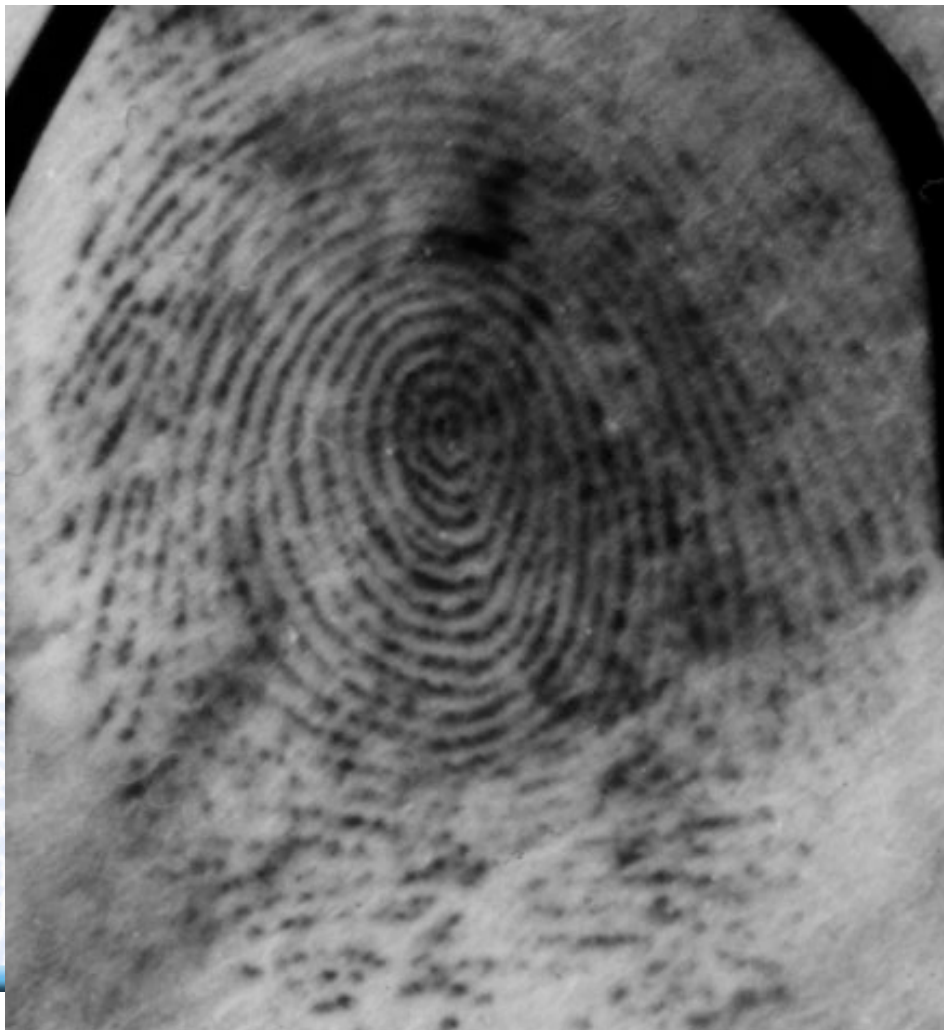
# 1a  Image-only Latent Matching

- Examiner and computer have complimentary capabilities

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# 1a  Image-only Latent Matching

- Search should always include image

  – Storage and bandwidth are less of a concern

- Examiner selects range of features for inclusion

  – Image quality

  – Case characteristics
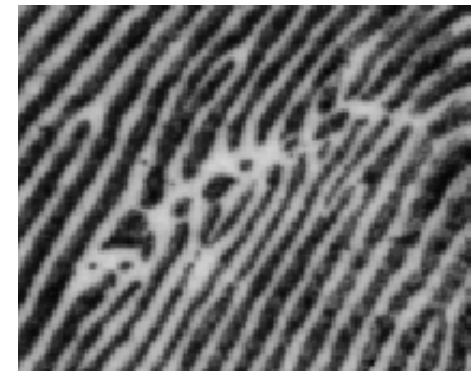
# 2a CDEFFS Specification

**COGENT ⟲ SYSTEMS**

## Searching Cogent CAFIS:

- ANSI/NIST/EBTS search with image plus one of:
  - IAFIS feature set
  - EFFS minutiae (9.331) + distinctive area (9.324) + …
- Return candidates in EBTS/SRL format

- Distinctive Area (9.324)

  - Discriminating/unique Detail

  - Third Level Detail

  - Texture Matching

# 2c  How to Test EFFS

To get a return on investment (viable interoperability)

Provide actionable feedback (test images) to participants