

Co-chairs

- » Tony Mansfield, NPL
- » Christoph Busch, EAB
- » Elham Tabassi, NIST
- » Patrick Grother, NIST

Speakers

- » 49 speakers
- » 58 authors
- » 10 countries
- » 3 continents

Appreciation

Sponsor



**Homeland
Security**

Science and Technology

Delegates

- » 168 registered
- » ~10 NIST
- » ~8 others
- » 176 estimated total

Content

- » 46 talks
- » Talks: 19 hr 35 minutes
- » Sessions: 26 hr 10 minutes
- » Over 3 days

Logistics

- » Kelsey Knepp
- » Conference Services
- » AV

IBPC 2016 MAY 3-6 2016 GAITHERSBURG MD



MINEX III → IV: Minutia On-card Comparison



❑ MINEX III

- ❑ 1:1 interoperable fingerprint test
- ❑ Multi-million subject dataset for PIV certification
- ❑ **Ongoing** participation, **no** advanced registration
- ❑ From submission to results in about **one business day**



- ❑ Ongoing MINEX was **deprecated in 2015** and **does not test** latest PIV requirements. Participate in MINEX III **now!**

Subscribe instantly: MINEX-Announce-JOIN@nist.gov
Google: "MINEX III" Comments + questions: minex@nist.gov

MINEX IV: Everything great about MINEX III on **7816 smart cards**.



Projected start: Fall 2016

Who

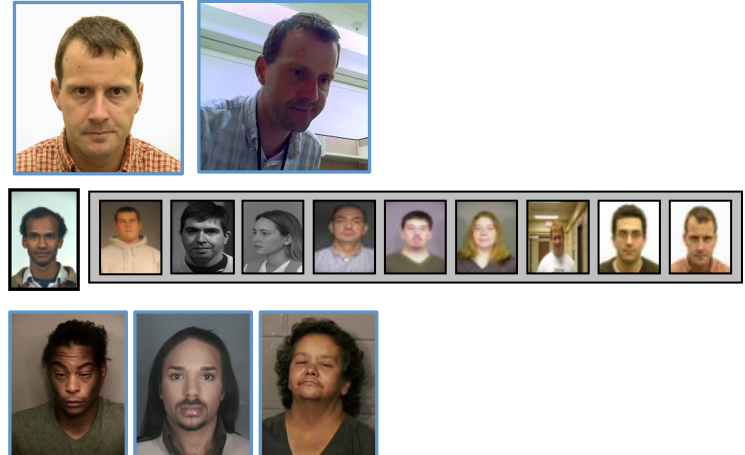
- » Greg Fiumara
- » Wayne Salamon
- » George Quinn

FRVT 2016 Evaluation



Scope

- » **1:1** (Same person or not?)
- » **1:N** (Open set, large N → lower FPIR)
- » **Age Estimation** (How old?)
- » **Gender Estimation** (Male or female?)
- » **Pose Estimation** (Frontal? Supporting ICAO/ISO)



Who	How	Data	Submission Deadlines
<ul style="list-style-type: none">» Patrick Grother» George Quinn» Mei Ngan	<ul style="list-style-type: none">» C++ API» Rapid Evaluation → Leaderboard» Separate Task Phases	<ul style="list-style-type: none">» Mugshots» Visa / ISO» Photojournalism» Child exploitation	<ul style="list-style-type: none">» 1:1 – Aug 2016» 1:N – Nov 2016» Age, Gender – Aug 2016» Pose Estimation – Nov 2016» ... Repeat, ongoing

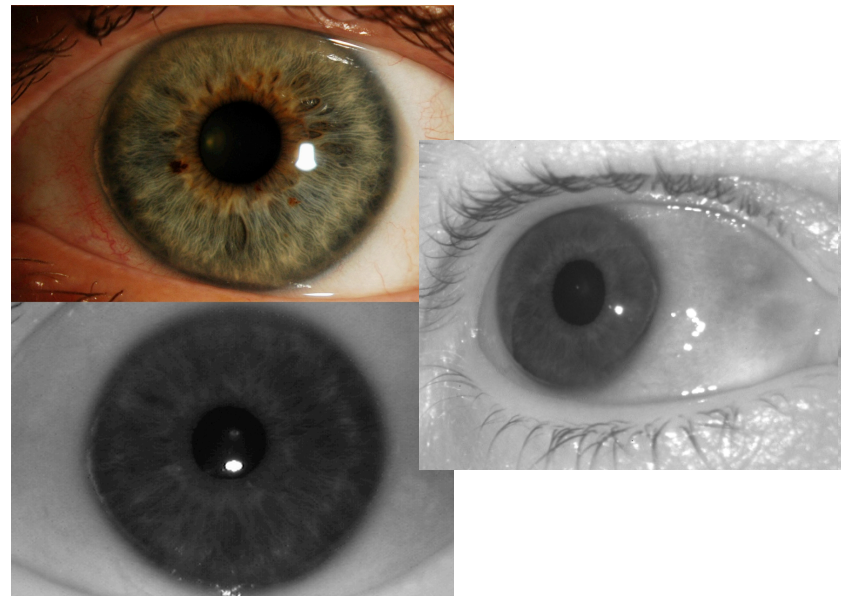
Contact: frvt2016@nist.gov | More information coming soon at <http://face.nist.gov>

The IREX-IX Evaluation



Scope

- » 1:N
 - Following IREX III/IV but with larger N
 - Support mainline application of iris recognition
- » 1:1
 - Characterize **cross-wavelength** capability to support iris recognition in non-IR images
 - Off angle iris: Support **mobile** authentication



Who

- » George Quinn
- » James Matey
- » Patrick Grother

Schedule

- » Final API May 24th
- » Evaluation Sep 22th

How

- » C++ API
- » Rapid Evaluation
- » NIR + non-NIR data sequestered at NIST
- » Provide segmentation boundaries to algorithm for “investigational cases”

Tattoo Recognition Technology – Evaluation (Tatt-E) 2016



» Goals

- Follow-on to Tatt-C 2015 Open Challenge Activity
- Tatt-E seeks to assess and improve the capability of systems to perform automated image-based tattoo recognition to support operationally relevant scenarios
 - Comparative and absolute accuracy
 - Run-time measures on larger, operationally realistic datasets than seen in Tatt-C
- Assist agencies with an interest in tattoo matching capabilities

» Protocol

- Sequestered test where algorithm software is sent to NIST for evaluation on sequestered datasets

» Use Cases

- Tattoo Identification/Region of Interest
- Tattoo Detection/Localization
- Clustering

» Currently seeking

- Developers of tattoo recognition technology
- Law enforcement collaboration partners with tattoo data



Google: NIST Tattoo
Email: tatt-e@nist.gov
<http://www.nist.gov/itl/iad/ig/tatt-e.cfm>

» Schedule

- Public comments on Test Plan/ API: May – July 2016
- Phase 1: July – Sept 2016
- Phase 2: Oct – Jan 2017
- Phase 3: Feb – May 2017

BREAKING NEWS

TATTOO RECOGNITION TECHNOLOGY – EVALUATION (Tatt-E)

Accepting Algorithm Submissions starting July 2016! Google: NIST Tattoo

LIVE
NIST