



IAPP GLOBAL PRIVACY SUMMIT 2019

Embedding Privacy Into the Use of Facial Recognition to Combat Terrorism

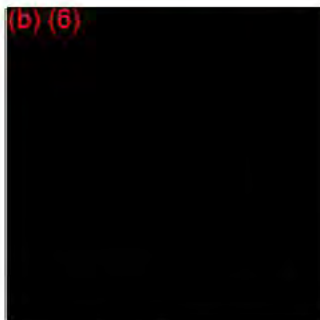
Friday, May 3, 1:30 - 2:30

Salon M, Level M4

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Speaker Information



MODERATOR:

Jonathan Cantor
Chief Privacy Officer
(Acting)
U.S. Department of
Homeland Security



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Director, Policy & Planning
Planning Program Analysis &
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Dr. Christopher Pierson
Member, Data Privacy and
Integrity Advisory
Committee
U.S. Dept. of Homeland
Security
Founder & CEO,
BLACKCLOAK

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PLACEHOLDER SLIDE (Embedded CBS News Story)

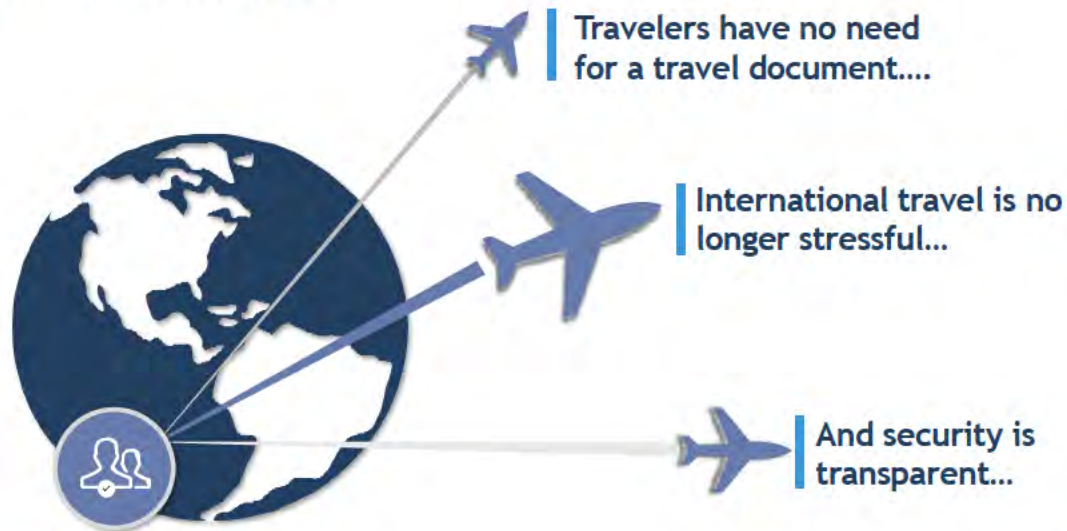
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CBP's VISION | THE FUTURE OF TRAVEL

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Imagine a world where...



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CBP's INVESTMENT | A FACIAL COMPARISON SERVICE

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TRAVELER VERIFICATION SERVICE

The screenshot displays the CBP Traveler Verification Service interface. At the top, it shows the CBP logo and the text "U.S. Customs and Border Protection". Below this, there are tabs for "AIR FLIGHT 095", "LAND", and "SEA". The "AIR FLIGHT 095" tab is selected. The interface shows a progress bar at 92% and "Passengers Processed 306 / 331". It also displays "Flight ATL to MLT", "Today 12/12/14", and "Time 12:30 PM". Below this, there is a table with columns: "Match", "Passenger Name", "Date of Birth", "Document", and "Status". The table lists six passengers with their respective facial comparison results.

Match	Passenger Name	Date of Birth	Document	Status
+8	Smith, James	01/08/1992	P TR3456201 JP	Match
+5	Sally, Jane	09/12/1980	P TR1010201 JP	Match
+2	Mark, Robert	04/05/1959	P 534564981 US	Match
+1	Tanaka, Yuri	03/27/1979	P 568049423 US	No Match
+3	Arntson, Keenan Lanae	09/02/1991	P TR2935948 JP	Match
+4	Matsuyama, Asuka	06/15/1983	P 7594C3592 US	Match

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SIMPLIFIED TRAVEL | HOW IT WORKS

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BIOMETRIC EXIT | PARTNER SOLUTIONS IN ACTION

JetBlue Paperless Boarding at Boston Logan



British Airways E-gates at Orlando MCO



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BIOMETRIC PROCESSING | PERFORMANCE

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Air Exit

15,627

exit flights processed

2.24 M

exit passengers



Air Entry

96,408

entry flights processed

7.79 M

entry passengers



Land Entry

1.63 M

pedestrian entries processed

85

pedestrian imposters detected

All biometric match rates modes match in the high 90th percentile.

- CBP has engaged in a partnership with NIST to evaluate CBP biometric data performance and recommend enhancements.
- Specific areas evaluated will include bias and algorithm recommendations based on CBP's various operational environments.

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SIMPLIFIED TRAVEL | BENEFITS

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By Partnering with CBP, our stakeholders will see benefits from entry to exit utilizing our facial comparison service including:

- Faster Flight Clearance Times on Arrival
- Faster Boarding Times
- Enhanced Customer Experience
- Better use of CBP Staffing

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SIMPLIFIED TRAVEL | PRIVACY BY DESIGN

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- Transparency
- Public Notice
- Limited Retention of Photos



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SIMPLIFIED TRAVEL | PRIVACY & SECURITY PROTECTIONS

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- Performance Accuracy
- Research on Bias
 - National Institute of Standards and Technology (NIST)
- Enhanced Security Measures
 - Encryption
 - Access Controls
 - Biometric Templates



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Resources

- CBP Biometrics Website: www.cbp.gov/biometrics
- DHS Privacy Compliance (PIAs and SORNs): www.dhs.gov/privacy
- NIST Study: <https://www.nist.gov/news-events/news/2018/11/nist-evaluation-shows-advance-face-recognition-software-capabilities>

