



Face4 Systems Inc.

Face Recognition on the Move

ADSA18 - May16 2018

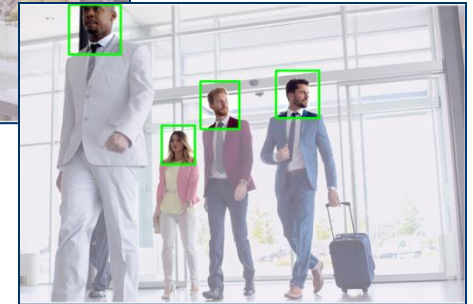
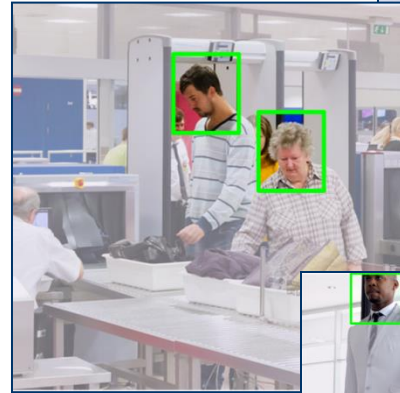
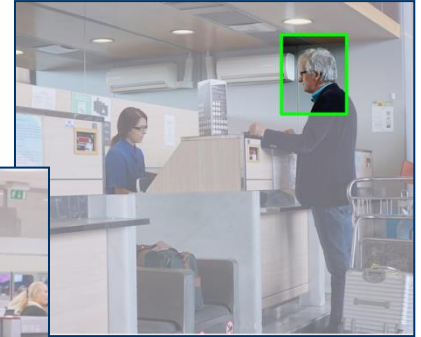
Ilan Arnon

ilan.arnon@face4systems.com

Face Recognition on the Move



- Enhanced passenger screening
Detect persons on watchlists
- Multi-Point screening
Check-in
Security check
Boarding
Airport flow points
- No queues, No additional staff



Face4 Systems Inc.



- Founded 2000
- Face Recognition Solutions, R&D
- Face Recognition on the Move
- Customers/Partners globally



Face Recognition on the Move



The screenshot displays the Face4 ACE adjudication interface. On the left, a large image shows a man in a white suit with a green bounding box around his face. Below it, a woman in a pink jacket also has a green bounding box. The main interface features a 'Probe' image of a man with glasses, a gallery of five similar images from different cameras (Cam30, Cam31), and an 'Adjudicate' button. An 'Alert List' on a smartphone shows an alert for 'Ilan Arnon' with a confidence score of 0.88. The interface also includes a 'Comments' section, a floor plan map, and a list of adjudicated items:

Name	Time	Action
RK Hong	Jun 11 16:18:09	Released
Ilan Arnon	Jun 11 15:33:56	Released
Joey BM	Jun 11 15:40:51	Released

At the bottom, it shows 'Logged in: face4', 'Log out', 'English', and 'Version: 3.0.2273.0'.

Face Recognition on the Move



Cooperative
• **Passenger Flow**

CBSA
Chain of Trust

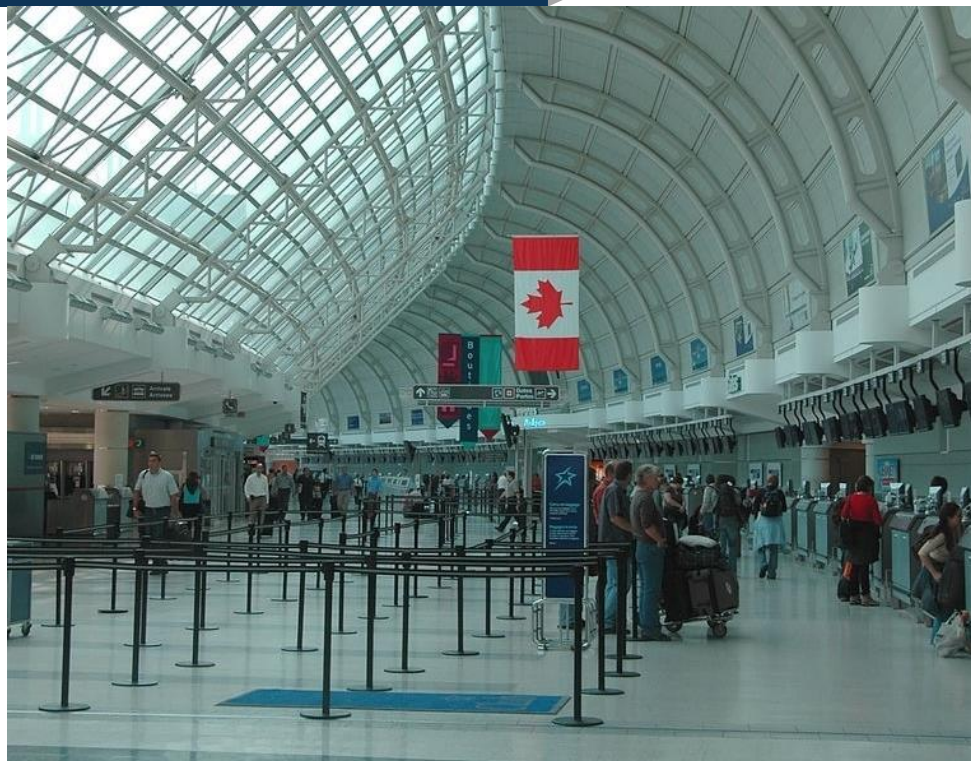
CBSA Chain of Trust



CBSA Faces on the Move



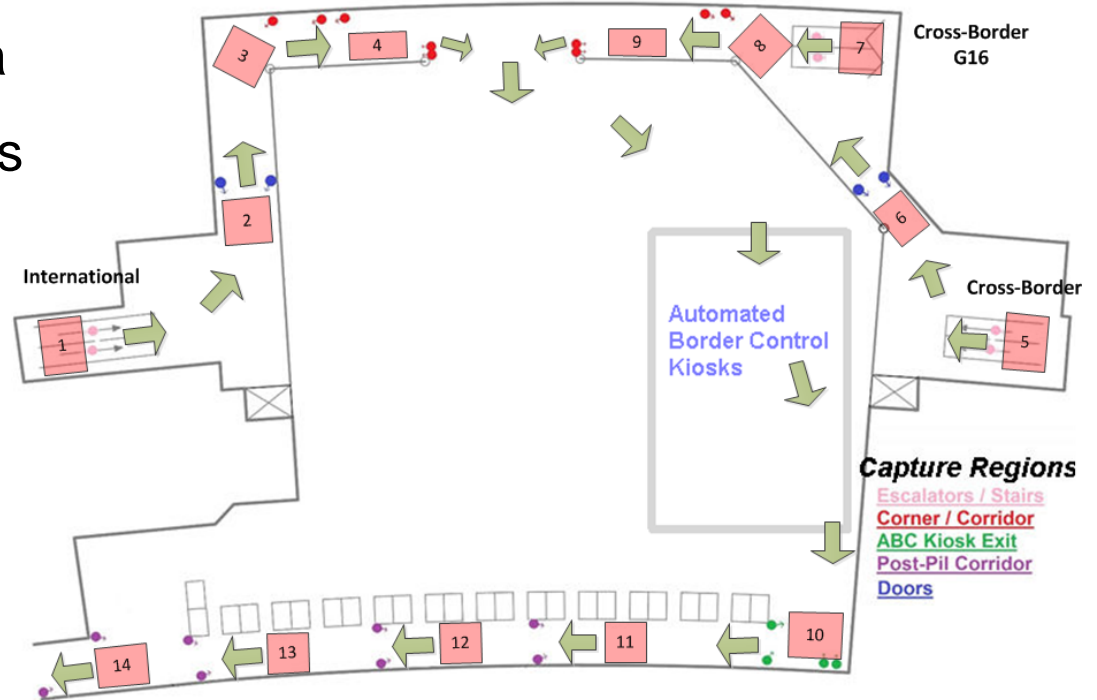
Toronto Pearson Airport Terminal 3



CBSA Faces on the Move



- CBSA Controlled Area
- 31 Cameras, 14 Zones
- 16,000 travelers/day
- Watchlist: 5000
- Test Subjects: 65



Performance



89% Detection Rate

65 test subjects

1200 walkthroughs

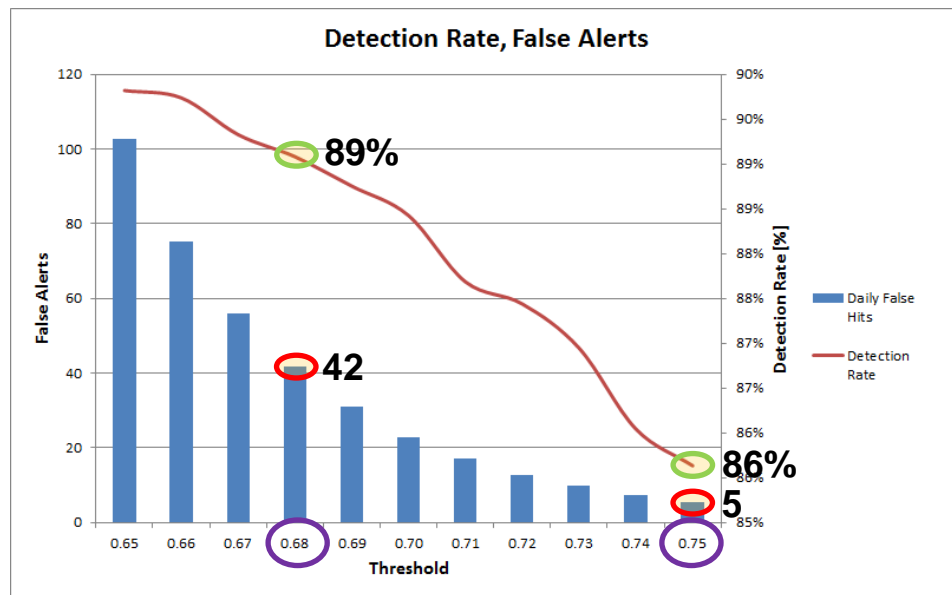
Best route: 93%

Best 4-zones: 89%

47 Real Hits

Operational watchlist 5000

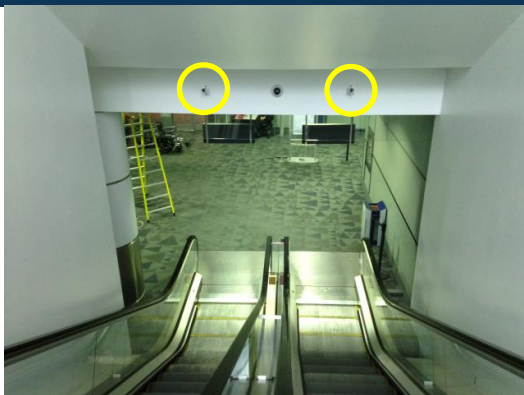
16,000 travelers per day



Capture Zones



Escalators



Doorways



Corridors



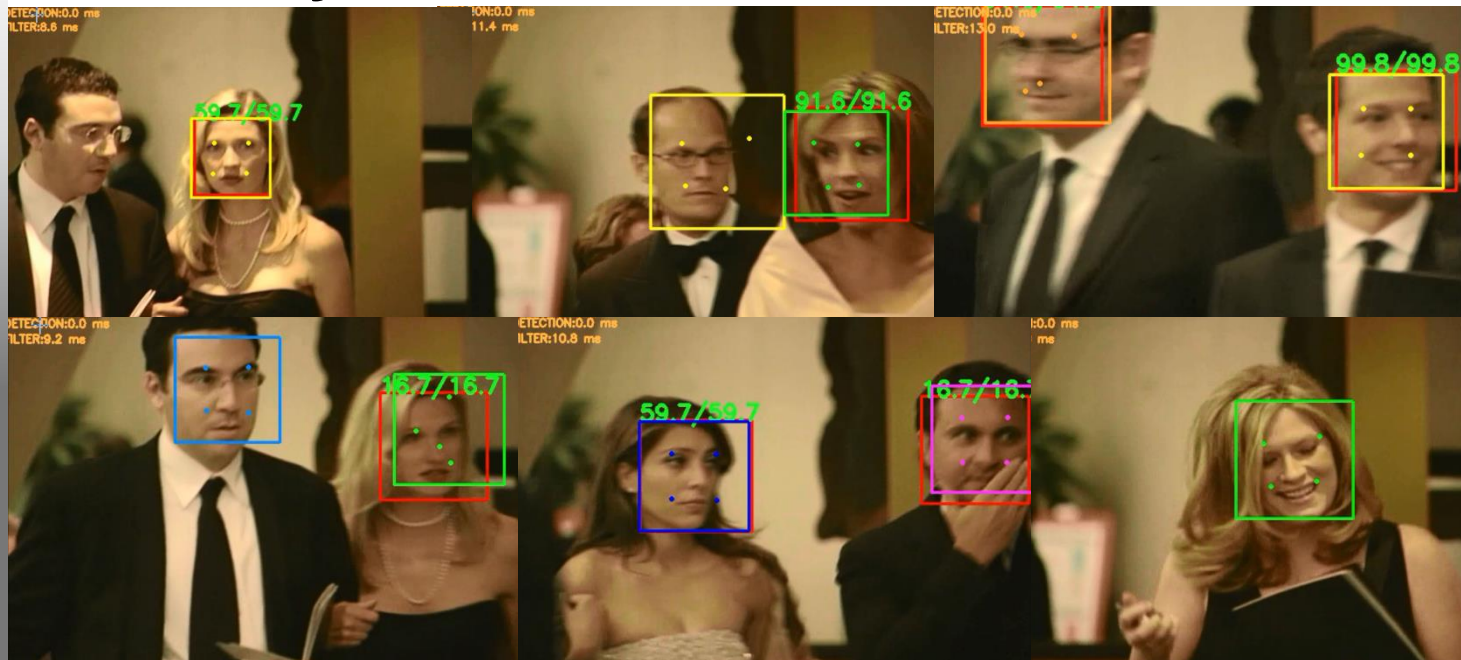
Egress



Questions



Academy Awards



Transportation



Manila MRT



Gaming



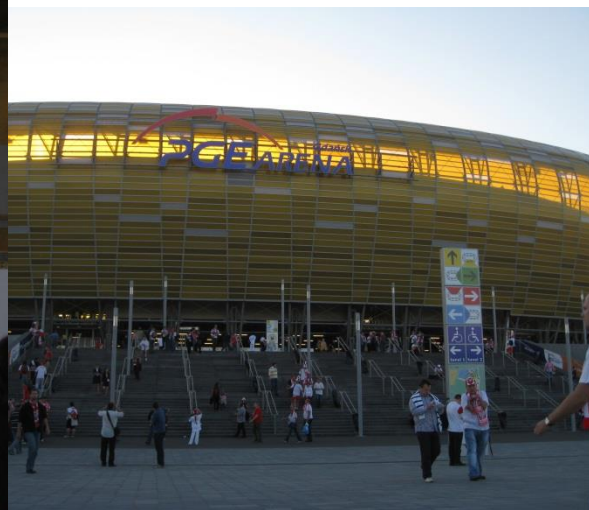
Casino de Montréal



Stadiums



PGE Arena Gdańsk



Face Recognition Performance



Videos

