

# Biometrics the way of the future



Panelists at FTE APEX Virtual Expo Session 9, Biometrics Summit Part 2

[FTE APEX Virtual Expo](#) Session 9, *Biometrics Summit Part 2*, examined the role biometrics play in delivering the contactless airport experience that passengers will desire moving forward. The topic of the joint presentation was, *Secure, Touchless Travel of the Future: CBP and TSA Expand Partnership to Advance Facial Biometrics*.

In attendance for this discussion was Jason Lim, Identity Management Capability Manager, [Transportation Security Administration](#), Nael Samha, Director, Passenger Systems & Biometrics, U.S. [Customs and Border Protection](#) and panellists Isabelle Moeller, Chief Executive, [Biometrics Institute](#), Kris Ranganath, CTO, [Advanced Recognition Systems and Digital Platform](#) and NEC Corporation of America Greg Forbes, Managing Director Airport Experience, [Delta Air Lines](#).

The biometrics capability development revolves around TSA perusing facial identification with customs and border protection (CBP) to enhance the Trusted Traveler Program, (such as TSA PreCheck and CBP Global Entry) which will utilize CBP's Traveler verification service to compare a live image capture to a gallery of enrolled references.

The technology allows for gallery assembly, cloud-based solutions (secure and available on public internet) matching algorithm, industry best practices, monitoring and high availability and a virtual Traveler verification service (TVS). Users can bring their own data by managing their own galleries. The technology also allows for event-driven architecture allowing TVS to respond to real time changes in traveler data (ex. standby lists), avoid outages and will have the capabilities to search one billion identities in seconds.

There have been a series of pilot partnerships between CBP and TSA since October 2017, demonstrating the feasibility of using biometric solutions to automate the current manual TDC process at checkpoints, including identity verification at checkpoints and baggage drops.