

# 2<sup>ND</sup> ANNUAL FACIAL RECOGNITION SUMMIT

Advancing face biometrics for improved performance,  
transparency, and trustworthiness

20<sup>TH</sup>-21<sup>ST</sup> NOVEMBER 2019  
NEW WORLD MILLENNIUM, HONG KONG



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20<sup>th</sup>-21<sup>st</sup> November 2019 | Hong Kong

***“Better-than-ever face-recognition tech means you will be able to forget your passwords —with more security. Your face will soon be the key to all your devices.”***

- Christopher Mims, Wall Street Journal

## EVENT OVERVIEW

Facial recognition technology is riding high on a new wave of popularity. The contactless modality has long been an important focus for government operations, but suffered the stigma born of consumer unfamiliarity, a lack of industry standardization, and high profile surveillance deployments. However, there has been a paradigm shift, largely due to the consumer boom in face biometrics spurred by the likes of Apple and its much-lauded Face ID authentication. People are more comfortable with facial recognition than ever before, and continues to be the preferred biometric benchmark.

The global facial recognition technology market is worth approximately US\$3bn (A\$4.1bn) and is expected to grow to US\$6bn by 2021. From boarding an international Delta flight in Atlanta to transferring money in China to unlocking the new iPhone X anywhere in the world, your face is quickly becoming the key to do, well, everything.

**2nd Annual Facial Recognition Summit by Trueventus** aims to bring together the key industry experts and practitioners involved in face recognition development, procurement, deployment and operations for two days of informative and interactive discussions on deploying facial recognition technology in business operations and its optimum use for authentication, fraud management, identity verification and also in shaping up customer experience.

## WHY YOU CANNOT MISS THIS EVENT

- Creating more secure, personalized and streamlined environments for employees and customers through the use of facial recognition technology
- Allowing enterprises to provide superior service and security to customers and employees through frictionless interactions
- Exploring different applications of face biometrics, from ready to deploy solutions to proofs of concept
- Debunking the social myths of facial recognition by highlighting the efficiency and convenience of face biometrics
- Delving into how integration of facial recognition technology improve bottom line through enhanced customer experience

## WHO SHOULD ATTEND?

**This event is targeted but not limited to:**

- Chief Technology Officers
- Chief Information Officers
- Chief Innovation Officers
- Professionals concerned with:
  - Face recognition
  - Facial biometrics
  - Digital ID
  - Biometric design
  - Deployment and maintenance
  - Configuration
  - System integration
  - Process standardisation
  - Process automation
  - Software development
  - Data analytics
  - Deep learning
  - Artificial intelligence
  - Network security
  - IT infrastructure
  - Research and development

**Across all industries heavily invested in biometrics and identity technology.**

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Cognitec is the only company worldwide that has worked exclusively on face recognition technology since its inception in 2002. Experiencing steady growth at business locations in Dresden, Boston and Sydney, the company is proud to maintain a stable, market-leading position within the industry, and to uphold the trust it has gained as a reliable, experienced provider of biometric technologies. Various independent evaluation tests have proven the premier performance of the FaceVACS® software. Cognitec's portfolio includes products for facial image database search, recorded video investigation, real-time video screening and people analytics, border control, and biometric photo capturing.

[www.cognitec.com](http://www.cognitec.com)

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## FEATURING PRESENTATION AND CASE STUDIES BY DISTINGUISHED SPEAKERS



**Xiaoyu Wang**  
Chair of Computer Vision  
**Snap Inc, USA**

Speaking on: Increasing performance accuracy of automated face recognition systems across all demographics



**Dato' Sri Tajudin Bin Md Isa**  
Director Department of Strategic Resources and Technology (StaRT)  
**Royal Malaysia Police, Malaysia**

Speaking on: Face recognition for policing: Combating crime, terrorism and economic competition



**Akina Ho**  
Head of Digital Transformation & Innovation  
**Great Eagle Holdings Limited, Hong Kong**

Speaking on: Driving revenue growth for hospitality industry through the adoption of facial recognition technology



**Ankur Arora**  
Director Data Science/AI Garage  
**Mastercard, India**

Speaking on: Improving and easing the process of payments through identity verification



**Eric Chan**  
Chief Public Mission Officer  
**Cyberport Hong kong, Hong Kong**

Speaking on: Leveraging security protocols and workplace safety using facial recognition technology



**Charmaine Koo**  
Co-head of Deacons Intellectual Property Department and Head of the IP Litigation and Enforcement, Commercial IP and Entertainment and Media Practice Groups  
**Deacons, Hong Kong**

Speaking on: Application of Data Privacy Law in Facial Recognition Technology



**Dr. Adam Chee**  
Chief Advocacy Officer  
**Binary Healthcare, Singapore**

Speaking on: Utilizing face recognition for healthcare workflow optimization



**Julie Zhu**  
Deputy General Manager, IT Department  
**HK Express, Hong Kong**

Speaking on: Transforming airports using facial biometrics for increased safety, speed, and convenience



**Peter Lung**  
Director, Technical Services & IT Operations  
**TAL Apparel Limited, Hong Kong**

Speaking on: Gathering feedback on the go: Using facial analysis to elevate consumer experience



**Anson Bailey**  
Partner, Head of Technology (Hong Kong), Head of Consumer and Retail  
**KPMG China, Hong Kong**

Speaking on: Facial recognition tech: Addressing the need for public regulation and corporate responsibility



**Michael Natusch**  
Global Head of Artificial Intelligence  
**Prudential, London**

Speaking on: Leveraging AI and machine learning towards enhancing facial identification and image analysis



**Professor Brian C. Lovell**  
Director of the Advanced Surveillance Group in the School  
**ITEE, University of Queensland, Australia**

Speaking on: Deep learning: Detecting face morphing attacks through convolutional neural networks



**Lok Fung**  
Head of Transit Management Competence Center  
**Jardine Schindler Group, Hong Kong**

Speaking on: Future trend of technology with elevator business



**Gaurav Rekhi**  
MD & CEO  
**Manipal Hospitals, Malaysia**

Speaking on: Revolutionizing identity management in healthcare through deep learning and face analysis



**Marco Huang**  
Director, Fraud Risk Management at Virtual Bank  
**Standard Chartered Bank, Hong Kong**

Speaking on: Reviewing and combating the security and privacy risks of face recognition authentication



**Victor Yim**  
Product Owner, Global Fraud & ID Solutions, International  
**TransUnion, Hong Kong**

Speaking on: Boosting security and preventing fraud and identity theft through facial comparison



**Tim Lei**  
Senior Manager Digital Solution  
**K11 Concepts Limited, Hong Kong**

Speaking on: Hyper-personalizing in-store retail and service experience for customers through facial recognition



**Aki Cheung**  
Senior Personal Data Officer (Policy & Research)  
**Office of Privacy Commissioner for Personal Data, Hong Kong**

Speaking on: Protecting personal data privacy - Points to note when using facial recognition

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## DAY ONE: WEDNESDAY, 20<sup>th</sup> NOVEMBER 2019

0800 Registration & coffee

0850 Opening keynote address

### 0900 Session One

#### Facial recognition tech: Addressing the need for public regulation and corporate responsibility

- Developing new laws to put some constraints on the broad use and development of facial recognition
- Ensuring tech companies to provide transparent documentation explaining the capabilities and limitations of their facial recognition tech
- Clearly notifying consumers where facial recognition is in use, and obtaining consumers' consent to the use of facial recognition when entering premises

**Anson Bailey** Partner, Head of Technology (Hong Kong), Head of Consumer and Retail

**KPMG China, Hong Kong**

### 0945 Session Two

#### Reviewing and combating the security and privacy risks of face recognition authentication

- Discussing the occasional unreliability of facial recognition in security authentication, allowing threat through security bypass
- Highlighting the importance of embedding machine learning system into face recognition platform to allow scanning on authentic expression for verification
- Raising concern on data privacy gather from the platform to avoid cybercriminal attempts or data manipulation

**Marco Huang** Director, Fraud Risk Management at Virtual Bank

**Standard Chartered Bank, Hong Kong**

1030 Morning refreshment

### 1100 Session Three

#### Leveraging AI and machine learning towards enhancing facial identification and image analysis

- Providing agencies invaluable time saving by using image analysis to search automatically through millions of records in seconds with AI and ML integration
- Due to the presence of smart surveillance cameras embedded with AI everywhere facial identification has become faster and more accurate under all conditions
- Identifying human faces in digital photographs using deep learning facial recognition system with high level of accuracy

**Michael Natusch** Global Head of Artificial Intelligence

**Prudential, London**

### 1145 Session Four

#### Future trend of technology with elevator business

- Facial recognition application at elevator business
- Same camera with different access application (QR code)
- Crowd prevention with AI deep learning for better passenger experience

**Lok Fung** Head of Transit Management Competence Center

**Jardine Schindler Group, Hong Kong**

1230 Networking luncheon

### 1400 Session Five

#### Application of data privacy law in facial recognition technology

- Maintaining a comprehensive data security program to protect the people privacy
- Provide the transparency of the facial recognition data, how such data will be used, stored, shared, and maintained
- The legal perspectives of applying facial recognition massively

**Charmaine Koo** Co-head of Deacons Intellectual Property Department and Head of the IP Litigation and Enforcement, Commercial IP and Entertainment and Media Practice Groups

**Deacons, Hong Kong**

### 1445 Session Six

#### Improving and easing the process of payments through identity verification

- Enabling payment through image recognition to make payments process easier
- Using facial recognition to eliminate fraud in payment by including a verification step
- Seamless online transaction experience using facial recognition for payment authentication

**Ankur Arora** Director Data Science/AI Garage

**Mastercard, India**

1530 Afternoon refreshment

### 1600 Session Seven

#### Utilizing face recognition for healthcare workflow optimization

- Leveraging Face Recognition technologies in Smart Healthcare
- Effective adoption for sustainable workflow optimization
- Improve Patient Safety, Health Quality and Service Level

**Dr. Adam Chee** Chief Advocacy Officer

**Binary Healthcare, Singapore**

### 1630 Session Eight

#### Transforming airports using facial biometrics for increased safety, speed, and convenience

- Integrating facial recognition for identity authentication for passengers' flight boarding process and at customs clearance
- Employing smarter surveillance at airport terminal entrances through automatic identification when a person of interest enters the airport
- Face recognition can instantly recognize employees and alert airport officials if they go somewhere suspicious

**Julie Zhu** Deputy General Manager, IT Department

**HK Express, Hong Kong**

### 1700 Session Nine

#### Protecting personal data privacy - points to note when using facial recognition

- Privacy risks of facial recognition
- Relevant provisions in the data protection laws of Hong Kong and beyond
- PCPD's recommended good practice of accountability and data ethics

**Aki Cheung** Senior Personal Data Officer (Policy & Research)

**Office of Privacy Commissioner for Personal Data, Hong Kong**

1730 End of day one

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## DAY TWO: THURSDAY, 21<sup>th</sup> NOVEMBER 2019

0800 Registration & coffee

0850 Opening keynote address

0900 Session One

### Face recognition for policing: Combating crime, terrorism and economic competition

- Facilitating the evolution from fingerprint recognition to facial recognition for security and law enforcement
- Face biometrics employed for issuance of identity documents and border checks, often combines with other biometric technologies such as fingerprints
- Drones combined with aerial cameras offer an interesting combination for facial recognition applied to large areas during mass events

**Dato' Sri Tajudin Bin Md Isa** Director Department of Strategic Resources and Technology (StaRT)

**Royal Malaysia Police, Malaysia**

0945 Session Two

### Increasing performance accuracy of automated face recognition systems across all demographics

- Measuring and mitigating the differential impact of demographic factors in face biometrics performance results
- Evaluating demographic effects on the accuracy and throughput of commercial biometric face acquisition systems
- Updating facial recognition technology with significant improvements in the system's ability to recognize gender across skin tones

**Xiaoyu Wang** Chair of Computer Vision  
**Snap Inc, USA**

1030 Morning refreshment

1100 Session Three

### Deep learning: Detecting face morphing attacks through convolutional neural networks

- Discussing recent advances in protecting the photo-ID-based verification from the morphing attack by deep learning
- Presenting an automatic morphing pipeline to generate morphing attacks, train neural networks based on this data and analyze their accuracy
- Delving into the application of neural networks for automated recognition to improve biometric systems level of vulnerability in the context of face morph attacks

**Professor Brian C. Lovell** Director of the Advanced Surveillance Group in the School

**ITEE, University of Queensland, Australia**

1145 Session Four

### Hyper-personalizing in-store retail and service experience for customers through facial recognition

- Providing retailers with shopper preferences and demographic information of customers upon arrival at store
- Allowing retailers to provide a personalized touch through special deals or recognition of loyalty to a store or brand
- Adjusting store design and display cases through understanding in-store shopper profiles at different points throughout the day

**Tim Lei** Senior Manager Digital Solution

**K11 Concepts Limited, Hong Kong**

1230 Networking luncheon

1400 Session Five

### Boosting security and preventing fraud and identity theft through facial comparison

- Measuring and mitigating the differential impact of demographic factors in face biometrics performance results
- Evaluating demographic effects on the accuracy and throughput of commercial biometric face acquisition systems
- Updating facial recognition technology with significant improvements in the system's ability to recognize gender across skin tones

**Victor Yim** Product Owner, Global Fraud & ID Solutions, International

**TransUnion, Hong Kong**

1445 Session Six

### Leveraging security protocols and workplace safety using facial recognition technology

- We intend to showcase a couple of our start-up companies focusing on facial recognition tech development and now in liaison with them to secure their availability. They will be part of my presentation. Details to be confirmed after we secure the start-up founders availability
- Tentatively: How Cyberport help nurture young tech start-up companies to bring their facial recognition solution to our campus/market?
- Market potential of facial recognition. Use case sharing of facial recognition in workplace & office security

**Eric Chan** Chief Public Mission Officer

**Cyberport, Hong Kong**

1530 Afternoon refreshment

1600 Session Seven

### Revolutionizing identity management in healthcare through deep learning and face analysis

- Facial recognition and its role in healthcare settings
- How emotional recognition can help healthcare providers
- How deep learning and facial recognition can help in pain and medication management

**Gaurav Rekhi** MD & CEO

**Manipal Hospitals, Malaysia**

1630 Session Eight

### Driving revenue growth for hospitality industry through the adoption of facial recognition technology

- Streamlining the check-in process, on-property payments for restaurants and amenities and to improve functionality and security at room entrance using facial recognition
- Allowing hotels to provide superior, personalized services around the clock, for guests arriving outside of regular business hours
- Enhancing hotel security by alerting hotel management to VIPs and undesirable guests without causing interference to business operations

**Akina Ho** Head of Digital Transformation & Innovation

**Great Eagle Holdings Limited, Hong Kong**

1700 Session Nine

### Gathering feedback on the go: Using facial analysis to elevate consumer experience

- Capturing the overall experience of the consumers who have just received the service or product
- Tailoring advertising signage and marketing material using facial analysis to understand the customers' needs and expectations
- Ensuring high accuracy of customers' feedback or data collected through facial analysis

**Peter Lung** Director, Technical Services & IT Operations

**TAL Apparel Limited, Hong Kong**

1730 End of conference

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## COMPANY DETAILS

Name	Industry
Address	
Postcode	Country
Tel	Fax

## ATTENDEE DETAILS

1	Name	Job Title
	Tel	Email
2	Name	Job Title
	Tel	Email
3	Name	Job Title
	Tel	Email
4	Name	Job Title
	Tel	Email
5	Name	Job Title
	Tel	Email

## APPROVAL

NB: Signatory must be authorised on behalf of contracting organisation.

Name	Job Title
Email	
Tel	Fax
Authorising Signature	

## COURSE FEES (20% discount for members of Association of Information Security Professionals)

	Corporate
End of August 2019	USD 1695
End of September 2019	USD 1995
End of October 2019	USD 2195
1st November 2019 onwards	USD 2495

Document Package USD 495

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