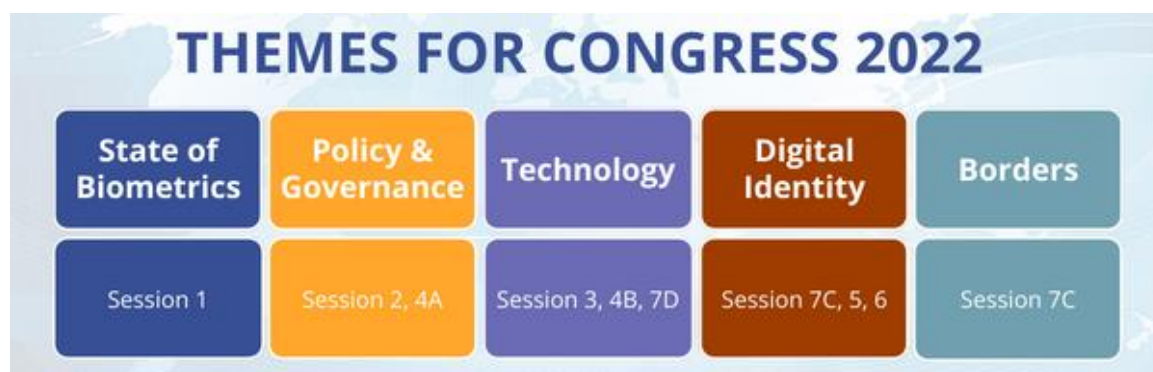




QEI Conference Centre | Westminster, London

Biometrics Institute Congress 2022 Programme



Session overview

Session 1: Plenary: The State of Biometrics

Session 2: Plenary: Governance, safeguards and oversight

Session 3: Plenary: The Third Law of Biometrics – Technology: How to mitigate against deepfakes, morphing, liveness and “bias”

Session 4: Parallel sessions: A: Deep-dive into the First Law of Biometrics – evolving policy for biometrics or B: Deep-dive into innovation for AI, spoofing, morphing and liveness

Session 5: Plenary: Biometrics as the cornerstone of digital identity

Session 6: Plenary: Where digital identity and biometrics intersect/ Biometrics as a service

Session 7: Parallel sessions: C: Digital identity and borders or D: The importance of standards and testing

Session 8: Plenary: Congress wrap up

Sponsors and exhibitors

We would like to thank our sponsors [Accenture](#), [Entrust](#), [Facetec](#), [Leidos](#), [Thales](#), [Cognitec](#), [IDEMIA](#), [InnoValor](#), [iProov](#) and our exhibitors [OVD Kinigram](#), [X Infotech](#). We look forward to welcoming more supplier members as partners for this event.

Gold sponsors:



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	WEDNESDAY 26 OCTOBER 2022 Day 1
8:00 – 9:00	CAMBRIDGE ROOM Registration and arrival tea
09:00 – 11:00 Session 1	MOUNTBATTEN ROOM Plenary: The State of Biometrics <i>Session moderator: Isabelle Moeller, Chief Executive, Biometrics Institute</i> 09:00 Congress opening <i>Isabelle Moeller, Chief Executive, Biometrics Institute</i> 09:15 Opening keynote: What is legitimate use of biometrics? <i>Fraser Sampson, UK Biometrics and Surveillance Camera Commissioner</i> 09:30 Keynote address: CBP’s vision for the future of secure borders and touchless travel <i>Diane J. Sabatino, Deputy Executive Assistant Commissioner for CBP Field Operations, US Department of Homeland Security (DHS) – US Customs and Border Protection (CBP)</i> 09:45 Keynote address: Avatars in the Metaverse: Biometrics, identity and everything in between <i>Joseph Jerome, Policy Manager, Meta Reality Labs</i> 10:00 Questions and discussion 10:15 Discussion session: The State of Biometrics – current status and future impacts This session will launch the Annual State of Biometrics Report. <ul style="list-style-type: none"> • What is the current state of biometrics – opportunities, disruptions and other developments? • How will this impact on the future of biometrics? • What do we need to do now to create a successful biometrics community in the future? <i>Session moderator: Brett Feldon, Advisory Council Member, Biometrics Institute</i> <i>Panellists:</i> <i>Radu Cimpean, Scientist, Joint Intelligence, Surveillance and Reconnaissance, NATO Communications and Information Agency</i> <i>Shonnie Lyon, Director, US Department of Homeland Security (DHS) – Office of Biometric Identity Management (OBIM)</i> <i>Fraser Sampson, UK Biometrics and Surveillance Camera Commissioner</i> <i>Steven Wright, Principal Policy Adviser, High Priority Inquiries – Policy Projects, Information Commissioner's Office (ICO)</i> <i>Clarence Yeo, Senior Advisor (Special Duties), Ministry of Home Affairs Singapore & Former Commissioner, Immigration & Checkpoints Authority (ICA)</i> 11:00 Close of session
11:00 – 11:45	CAMBRIDGE ROOM Morning tea and exhibition
11:45 – 13:00 Session 2	MOUNTBATTEN ROOM Plenary: Governance, safeguards and oversight <i>Session moderator: Jakob Dam Glynstrup, Chairman and Director, Biometrics Institute</i> 11:45 Introduction from the moderator

	<p>11:50 Biometrics and privacy – a perspective from the ICO <i>Stephen Bonner, Deputy Commissioner Executive Director, Regulatory Futures and Innovation, Information Commissioner’s Office (ICO), UK</i></p> <p>12:05 Public attitudes to automated facial recognition <i>Kay Ritchie, Senior Lecturer in Cognitive Psychology, University of Lincoln</i></p> <p>12:20 Discussion session: Privacy versus commercial innovation versus public convenience – What’s next? Citizen surveillance? Privacy remains the main barrier for the adoption of biometrics according to the Institute’s 2022 Industry Survey and surveillance the primary concern. Are cameras in public places operated by police still the main challenge or is it the cameras on mobile phones that let any citizen record and analyse images. Artificial intelligence has massively improved facial recognition algorithms allowing for remote (live) facial recognition. Yet other modalities like voice biometrics are a very public biometric. Over the past three years the Institute has covered much of the ground on government and commercial uses and it is a growing dimension that challenges regulation.</p> <ul style="list-style-type: none"> • How can you control what private citizens do with their devices, such as smartphones, computers and wearables? • What about the software loaded into doorbells and cars that can track and identify anyone by using FR, voice etc? • Is it feasible to ban such software and is this even politically possible? • How would you legislate for this or would you even feel the need to do so? <p><i>Panel moderator: Roger Baldwin, Advisory Council Member, Biometrics Institute</i> <i>Panellists:</i> <i>Naama Ben Zvi, Director of Supervision & Compliance, The Identity & Biometric Applications Unit, Israel National Cyber Directorate</i> <i>Joseph Courtesis, Member of Technology and Innovation Group (TIG), Biometrics Institute</i> <i>Joseph Jerome, Policy Manager, Meta Reality Labs</i> <i>Madeleine Stone, Legal and Policy Officer, Big Brother Watch, UK</i> <i>Jeremy Vaughan, Chief Constable, South Wales Police</i></p> <p>13:00 Close of session</p>
13:00 – 14:00	<p>CAMBRIDGE ROOM Lunch and exhibition</p>
14:00 – 15:30 Session 3	<p>MOUNTBATTEN ROOM Plenary: The Third Law of Biometrics – Technology: How to mitigate against deepfakes, morphing, liveness and “bias” <i>Session moderator: Stephanie Schuckers, Director, Biometrics Institute</i></p> <p>14:00 Introduction</p> <p>14:05 In conversation: Facial recognition performance update <i>Mei Ngan, Computer Scientist, National Institute of Standards & Technology (NIST), USA with Patrick Grother, Biometric Standards and Testing Lead, National Institute of Standards & Technology (NIST), USA</i></p> <p>14:20 PAD testing and certification: Protection of biometric recognition systems from spoofing and other attacks <i>Stephanie Schuckers, Director, Center for Identification Technology Research (CITeR), USA</i></p> <p>14:35 <u>Gold sponsor</u>: Reflecting on the FinCEN Tech Sprint 2022</p>

	<p><i>Jay Meier, Senior Vice President, North American Operations, FaceTec</i></p> <p>14:45 iMARS project: image Manipulation Attacks Resolving Solutions <i>Claude Bauzou, Programme Manager, iMARS Project Coordinator</i></p> <p>15:00 Biometric and identity technology testing and standards activities <i>Arun Vemury, Program Manager, HSARPA/ Human Factors Division, US Department of Homeland Security (DHS)</i></p> <p>15:15 Questions and discussion</p> <p>15:30 Close of session</p>	
15:30 – 16:00	<p>CAMBRIDGE ROOM</p> <p>Afternoon tea and exhibition</p>	
16:00 – 17:30 Session 4	<p>Parallel sessions: A: Deep-dive into the First Law of Biometrics – evolving policy for biometrics or B: Deep-dive into innovation for AI, spoofing, morphing and liveness</p>	
	<p>MOUNTBATTEN ROOM</p> <p>Session A: Deep-dive into the First Law of Biometrics – evolving policy for biometrics <i>Session moderator: Dan Bachenheimer, Director and Privacy Expert Group Member (PEG), Biometrics Institute</i></p> <p>16:00 Introduction</p> <p>16:05 From words to actions: Building data protection principles into biometric systems <i>Clara Clark Nevola, Principal Policy Adviser, Information Commissioner's Office (ICO), UK</i></p> <p>16:20 Quo vadis Prum? <i>Richard Rinkens, Coordinator for Biometrics, Interoperability and Information Technology, European Commission</i></p> <p>16:35 EU research project update: Reconciling concerns <i>Juliet Lodge, Professor, Head of AI Ethics and Societal Issues, Safer EU</i></p> <p>16:50 Discussion session: Addressing concerns, finding solutions – how to evolve policy for biometrics Organisations developing and using biometric technologies need to understand what legal and policy questions they have to consider when processing biometric data, and what the</p>	<p>WINDSOR ROOM</p> <p>Session B: Deep-dive into innovation for AI, spoofing, morphing and liveness <i>Session moderator: Chris Allgrove, Member, Digital Identity Expert Group (DIG), Biometrics Institute</i></p> <p>16:00 Introduction</p> <p>16:05 End-to-end biometrics: Yesterday, today and tomorrow <i>Wael AbdAlmageed, Research Professor, Electrical and Computer Engineering Director, Visual Intelligence and Multimedia Analytics Laboratory (VIMAL), USC Viterbi School of Engineering, USA</i></p> <p>16:20 Bypassing fingerprint and FaceID on Apple Pay <i>Tom Chothia, Reader in Cyber Security, University of Birmingham, UK</i></p> <p>16:35 Gold sponsor: The benefits and challenges of AI innovations for face recognition systems <i>Sandra Cremer, Biometrics Research and Technology Leader, Thales</i></p> <p>16:45 Borders and morphing detection <i>James Ferryman, Professor and PROTECT Coordinator, University of Reading, UK</i></p> <p>17:00 Silver sponsor: Image quality, assessment and capture <i>Mikael Fagerlund, Director Sales EMEA, Cognitec</i></p>

	<p>data protection compliance challenges are in this area, if any.</p> <p><i>Moderator: Dan Bachenheimer, Director and Privacy Expert Group Member (PEG), Biometrics Institute</i></p> <p><i>Panellists:</i></p> <p><i>Clara Clark Nevola, Principal Policy Adviser, Information Commissioner's Office (ICO), UK</i></p> <p><i>Roy Friedman, Executive Director, Identity and Biometric Applications Unit, Israel National Cyber Directorate</i></p> <p><i>Kavita Kewal, Assistant Secretary Identity and Biometrics Policy and Strategy Branch, Cyber, Digital and Technology Policy Division, Strategy and National Resilience Group, Department of Home Affairs, Australia</i></p> <p><i>Richard Rinkens, Coordinator for Biometrics, Interoperability and Information Technology, European Commission</i></p> <p>Silver sponsor: <i>Campbell Cowie, Head of Policy, Standards & Regulatory Affairs, iProov</i></p> <p>17:30 Close of session</p>	<p>17:05 Questions and discussion</p> <p>17:30 Close of session</p>
17:30 – 19:30	<p>CAMBRIDGE ROOM</p> <p>Annual Drinks Reception</p>	

<p>THURSDAY 27 OCTOBER</p> <p>Day 2</p>		
8:00 – 9:00	<p>CAMBRIDGE ROOM</p> <p>Registration and arrival tea</p>	
09:00 – 10:30 Session 5	<p>MOUNTBATTEN ROOM</p> <p>Plenary: Biometrics as the cornerstone of digital identity</p> <p><i>Session moderator: Martin George, Digital Identity Expert Group, Biometrics Institute</i></p> <p>09:00 Introduction</p> <p>09:05 Biometrics as the cornerstone of identity <i>Shonnie Lyon, Director, US Department of Homeland Security (DHS) – Office of Biometric Identity Management (OBIM)</i></p> <p>09:20 Digital identity in the UK <i>Ophelia King, Head of Digital Identity Market Development Team, Department for Digital, Culture, Media and Sport (DCMS), UK</i></p> <p>09:35 Leveraging biometrics for a National Digital Identity – Israel's ongoing journey <i>Roy Friedman, Executive Director, Identity and Biometric Applications Unit, Israel National Cyber Directorate</i></p> <p>9:50 Gold sponsor: Decentralised Digital Identity and related Identity Wallets</p>	

	<p><i>Kotryna Urbanaite, Digital Identity Strategy Manager, Accenture</i> <i>Daniel Bachenheimer, Digital Identity Innovations Technology Lead, Accenture</i></p> <p>10:00 In Conversation: Identity management and the need for holistic approach <i>Tobias Wijk, Strategic Business Development, Skatteverket – Swedish Tax Agency with</i> <i>Marianne Henriksen, Subject Director Digital ID, National Population Register,</i> <i>Norwegian Tax Administration</i></p> <p>10:15 Questions and discussion</p> <p>10:30 Close of session</p>	
10:30 – 11:00	<p>CAMBRIDGE ROOM Morning tea and exhibition</p>	
11:00 – 12:30 Session 6	<p>MOUNTBATTEN ROOM Plenary: Where digital identity and biometrics intersect/ Biometrics as a service <i>Session moderator: Brett Feldon, Advisory Council Member, Biometrics Institute</i></p> <p>11:00 Introduction</p> <p>11:05 Why I failed deploying biometrics? <i>Fernando Garcia-Quismondo, Head of IDCoE (Identity Center of Excellence),</i> <i>Santander – PagoNxt</i></p> <p>11:20 <u>Gold sponsor</u>: Identity service evolution: Singular biometrics to entity resolution <i>John Mears, Vice President and Tech Fellow, Leidos</i></p> <p>11:30 Discussion session: Where digital identity and biometrics intersect</p> <ul style="list-style-type: none"> • The role of biometrics in a digital identity or digital trust framework • Suitable mechanisms for on-boarding in the age of KYC compliance • Who are going to be the identity attribute providers? • What are the business, liability and trust models around this? • Interoperability between digital identities – especially across national borders <p>Moderator: <i>Martin George, Digital Identity Expert Group, Biometrics Institute</i> Panellists: <i>Fernando Garcia-Quismondo, Head of IDCoE (Identity Center of Excellence),</i> <i>Santander – PagoNxt</i> <i>Eugene Kramer, Head of Cybersecurity for Passengers, AVSEC and Borders, Security</i> <i>Strategy and Cyber Defence, Heathrow</i> <i>Teresa Soter Henriques, Policy Adviser, Digital Identity Trust Framework, Department</i> <i>for Digital, Culture, Media and Sport (DCMS), UK</i> <i>Tobias Wijk, Strategic Business Development, Skatteverket – Swedish Tax Agency</i> <u>Silver sponsor</u>: <i>Maarten Wegdam, CEO & Co-founder, ReadID powered by InnoValor</i></p> <p>12:30 Close of session</p>	
12:30 – 13:30	<p>CAMBRIDGE ROOM Lunch and exhibition</p>	
13:30 – 15:00 Session 7	<p>Parallel sessions: C: Digital identity and borders or D: The importance of standards and testing</p>	
	<p>MOUNTBATTEN ROOM Session C: Deep-dive into digital identity and borders</p>	<p>WINDSOR ROOM Session D: Deep-dive into the importance of standards and testing</p>

<p>Session moderator: <i>Hans de Moel, Director, Biometrics Institute</i></p> <p>13:30 Introduction</p> <p>13:35 Border controls at ports <i>Marie-Caroline Laurent, Cruise Lines International Association (CLIA)</i></p> <p>13:50 Update from ICA Singapore <i>Marvin Sim, Commissioner, Immigration & Checkpoints Authority (ICA), Singapore</i></p> <p>14:05 Digital travel credential – creating a new biometric flow <i>Justin Ikura, Director, Office of Biometrics and Identity Management, Biometrics Transformation Directorate, Canada Border Services Agency (CBSA)</i></p> <p>14:20 <u>Gold sponsor</u>: Remote identity verification: Future borders use cases <i>Gordon Wilson, Vice President, Identity Verification, Entrust</i></p> <p>14:30 Free Movement Zone Guide <i>Nelson Goncalves, Head of Legal Identity Unit, Immigration and Border Management Division (IBM), International Organization for Migration (IOM)</i></p> <p>14:45 Questions and discussion</p> <p>15:00 Close of session</p>	<p>Session moderator: <i>Ted Dunstone, Founder and Co-chair, Technology and Innovation Group, Biometrics Institute</i></p> <p>13:30 Introduction</p> <p>13:35 Update from FIDO <i>Chris Allgrove, Co-chair, Face Verification Sub-group of the Identity Working Group, FIDO Alliance</i></p> <p>13:50 Face as modality <i>Sam Jefferies, Head of Digital Services and Biometrics, United Nations High Commissioner for Refugees (UNHCR)</i></p> <p>14:05 Facial recognition for post-mortem identification <i>Dana Michalski, Discipline Leader AI Systems Effectiveness, Information Sciences Division, Defence Science and Technology Group, Australia</i></p> <p>14:20 Discussion session: How can we ensure good quality images without standards in place?</p> <ul style="list-style-type: none"> • What is the current status? • What constitutes a good quality image? • How do you assess face image quality in your system? Can quality assessment algorithms improve the situation in production? What are the operational challenges and what are key considerations? • What about different capture devices e.g. mobile phones versus cameras in controlled environments? • What about other biometrics e.g. voice?" <p><i>Moderator: Ted Dunstone, Founder and Co-chair, Technology and Innovation Group, Biometrics Institute</i></p> <p><i>Panellists:</i> <i>John Boyd, Assistant Director, Futures Identity, US Department of Homeland Security (DHS) – Office of Biometric Identity Management (OBIM)</i> <i>Patrick Grother, Biometric Standards and Testing Lead, National Institute of Standards & Technology (NIST), USA</i> <i>Chris Malec, Defence Scientist, Information Sciences Division, Defence Science and Technology Group, Australia</i></p>
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		<p>Ramesh Narayanan, CTO, Modular Open Source Identity Platform (MOSIP), India</p> <p><i>Silver sponsor:</i> Vincent Bouatou, Director of Strategic Innovation, IDEMIA</p> <p>15:00 Close of session</p>
15:00 – 15:30	CAMBRIDGE ROOM	Afternoon tea and exhibition
15:30 – 16:30 Session 8	MOUNTBATTEN ROOM	<p>Plenary: Congress wrap up <i>Session moderator: Isabelle Moeller, Chief Executive, Biometrics Institute</i></p> <p>15:30 Key take-aways <i>Moderators from the Congress sessions will provide their key take-aways</i> <i>Moderator: Isabelle Moeller, Chief Executive, Biometrics Institute</i> <i>Panellists:</i> <i>Chris Allgrove, Member, Digital Identity Expert Group (DIG), Biometrics Institute</i> <i>Dan Bachenheimer, Director and Privacy Expert Group Member (PEG), Biometrics Institute</i> <i>Roger Baldwin, Advisory Council Member, Biometrics Institute</i> <i>Jakob Dam Glynstrup, Chairman and Director, Biometrics Institute</i> <i>Ted Dunstone, Founder and Co-chair, Technology and Innovation Group, Biometrics Institute</i> <i>Brett Feldon, Advisory Council Member, Biometrics Institute</i> <i>Martin George, Digital Identity Expert Group, Biometrics Institute</i> <i>Hans de Moel, Director, Biometrics Institute</i></p> <p>16:00 Questions and discussion</p> <p>16:25 Closing comments by the Chief Executive</p> <p>16:30 Close of Congress</p>

ALL EVENTS DURING BIOMETRICS WEEK

All events require [registration](#)

Date	Event	Timing	Location	Fee
Tuesday 25 October	Face Recognition Performance Workshop	9:00 – 13:00	ETC County Hall Belvedere Road London SE1 7PB	Member: £350 + VAT Non-member: £500 + VAT
Tuesday 25 October	Biometric Vulnerabilities Workshop	14:00 – 17:00	ETC County Hall Belvedere Road London SE1 7PB	Member: £350 + VAT Non-member: £500 + VAT
Wednesday 26 October	Congress	9:00 – 17:30	QEII Centre Broad Sanctuary Westminster London SW1P 3EE	register here
Wednesday 26 October	Annual Drinks Reception	17:30 – 19:30		included in Congress fee register here

			QEII Centre Broad Sanctuary Westminster London SW1P 3EE	
Thursday 26 October	Congress	9:00 – 17:00	QEII Centre Broad Sanctuary Westminster London SW1P 3EE	register here
Friday 28 October	Joint Expert & Sector Group Briefing	9:00 -13.00	High Commission of Australia Strand London WC2B 4LA	included in Congress fee register here

Registration

Member user: GBP 700 + VAT

Member supplier: GBP 1100 + VAT

Academic subscriber: GBP 250 + VAT

Non-member user: GBP 1350 + VAT

Non-member supplier: GBP 2000 + VAT

Academic non-subscriber: GBP 400 + VAT

Location

QEII Centre
Broad Sanctuary
Westminster
London SW1P 3EE

Additional Notes

Sponsorship opportunities are available, please email raazia@biometricsinstitute.org.

If you have comments on this event, are interested in membership or have general enquiries about the Biometrics Institute, please email raazia@biometricsinstitute.org.