75 international speakers
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- Jonathan Vaux, Visa Europe
- Starbug, Chaos Computer Club

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- Law enforcement, forensics and military applications
- Borders and travel
- Developing economies
- Mobility and payments

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Biometrics 2014 delegate

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14-15 OCTOBER 2015
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<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Welcome to Biometrics 2015 – Secure Identity Solutions Now!</td>
<td>Isabelle Moeller, Chief Executive, Biometrics Institute; Conference Chair, Biometrics 2015</td>
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<td>Nigel Clear, Commercial Director Conferences, Science &amp; Technology, Elsevier, UK</td>
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<tr>
<td>09:40</td>
<td>Setting the scene: What is the current thinking around identity and identity management?</td>
<td>Session Chair: Arron Baker, Chairman and Director, Biometrics Institute, New Zealand</td>
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<tr>
<td>09:45</td>
<td>PLENARY OPENING ADDRESS: The European Commission’s digital agenda – electronic identification and trust services</td>
<td>Andrea Servida, Head of Task Force, European Commission</td>
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<tr>
<td>10:45</td>
<td>Are our lives safe online?</td>
<td>Angela Sasse, Professor of Human-Centred Technology, University College London, UK</td>
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<tr>
<td>11:05</td>
<td>Identity 2030 – Innovation and disruption in a future of high-resolution identities</td>
<td>Kathryn Suchma, Science and Technology Advisor/Physical Scientist Office of the Director of National Intelligence (ODNI), FBI, USA</td>
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<tr>
<td>11:15</td>
<td>Questions and discussion</td>
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<td></td>
<td><strong>Research and innovation</strong></td>
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<tr>
<td>11:40</td>
<td>Session Chair’s Introduction</td>
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<tr>
<td>11:45</td>
<td>Evaluation of face image examiners</td>
<td>Jonathon Phillips, Electronic Engineer, National Institute of Standards &amp; Technology (NIST), USA</td>
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<tr>
<td>12:00</td>
<td>Sketch to photo matching using deep learning</td>
<td>Mayank Vatsa, AR Krishnaswamy Faculty Research Fellow and Associate Professor, IIIT Delhi, India</td>
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<tr>
<td>12:45</td>
<td>The face: Moving beyond face recognition to facial analytics</td>
<td>Karl Ricanek Jr, Professor of Computer Science, University of North Carolina Wilmington, USA</td>
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<tr>
<td>13:00</td>
<td>Questions and discussion</td>
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<td>13:10</td>
<td><strong>Vulnerabilities in the modern world – Data protection, privacy and mobility</strong></td>
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<td>13:40</td>
<td>Session Chair’s Introduction</td>
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<tr>
<td>14:10</td>
<td>European Commission, Article 29 Data Protection Working Party, Opinion 02/2012 on Facial Recognition in Online and Mobile Services</td>
<td>Stephane Petitcolas, Commission Nationale de l’Informatique et des Libertés (the CNIL), France</td>
</tr>
</tbody>
</table>
| 14:45 | Privacy on trial – A role play                                                 | This session will have a presidential style debate around one of the hottest topics in the biometrics and privacy world.
|       | Session led by: Joseph Atick, Chairman, Identity Counsel International, USA     |                                                                                                |
|       | Juliet Lodge, Director Jean Monnet European Centre of Excellence, University of Leeds, UK and Sue Black, Director, Centre for Anatomy & Human Identification, University of Dundee, UK will openly debate the different viewpoints that can be taken – to be followed by an interactive panel discussion with the audience, facilitated by Joseph Atick. |
Be a part of the discussion at Biometrics 2015

A re-energised Biometrics 2014 delivered a conference with significantly enhanced levels of industry engagement and end user participation. Biometrics 2015 will once again provide an exceptional opportunity to meet with a unique mix of academic, government, industry and end users to share insight and stimulate thought-provoking discussion within an interactive forum.

This year’s conference programme includes an amazing line-up of more than 75 speakers covering topics that reach out to the wider international biometrics community and end user industries and acknowledge the use of biometrics as an integral part of the identity solution. I strongly urge you to attend: this is a truly interactive event: your participation and views would be valued.

Isabelle Moeller, Chief Executive, Biometrics Institute
Conference Chair

DISCUSSION SESSION: Vulnerabilities in the modern world – Data protection, privacy and mobility
This session will debate why privacy still matters. It will include an interactive survey with the conference delegates and will address questions including:

• Where does the template reside – On device or off device?
• How is the template protected?
• Do we need revocable templates?
• How does data create opportunities, but what are the vulnerabilities?
• Social or cyber identity – Is it a good or bad thing?
• How can we manage the risks associated with online transactions such as loss of identity leading to loss of control and possibly exclusions?
• Face recognition… An invader of privacy or a legitimate defence of security?
• Sharing of personal information – who with, for what purpose? Sensible, scary, simple?

Moderator: Joseph Atick, Chairman, Identity Counsel International, USA
Panellists: Privacy advocate: Gus Hosein, Director, Privacy International, UK
Legal perspective: Tobias Keber, Professor of Media Law, Institute for Digital Ethics, Germany
Privacy regulator: Giovanni Buttarelli, Supervisor, European Data Protection Supervisor, Belgium
Template protection perspective: Michiel van der Veen, CEO, GenKey, The Netherlands
Vendor facial recognition expert perspective: Vincent Bouatou, Director, Technology Business Development, Morpho, France
Smart device perspective: Representative from Samsung Electronics, UK

16.00 – 16.25   Afternoon Refreshment Break

Data retention in law enforcement
Session Chair: Johanna Morley, Director, Biometrics Institute, UK

16.25    Session Chair’s Introduction

16.30    Retention and use of biometric material by the police
Alastair MacGregor, Biometrics Commissioner, UK

16.45    Biometric data and regulation
Meagan Mirza, Group Manager, Police Justice and Borders, Information Commissioner’s Office (ICO), UK

17.00    ROUNDTABLE DISCUSSION: The use of facial images by law enforcement
The UK Commons Science and Technology Committee released its findings from the enquiry into the current and future use of biometrics in early March 2015. It raised questions about the use of facial images and current law. Legislation is in place to cover fingerprints and DNA, but there are some questions about custody images. The discussion gained a significant amount of media attention. This roundtable will discuss the issues raised and some proposed ways to move forwards with the aim of reassuring the public of the proper handling of biometric data.

Moderator: Johanna Morley, Director, Biometrics Institute and Metropolitan Police Service, UK
Panellists: Alastair MacGregor, Biometrics Commissioner, UK
Mike Barton, National Policing Lead for the Police National Database (PND), Intelligence and Use of Facial Images, and Chief Constable, Durham Constabulary, UK
Meagan Mirza, Group Manager, Police Justice and Borders, Information Commissioner’s Office (ICO), UK
Representative, Big Brother Watch, UK

17.45   Close of Day 1

Registration fees (all prices plus VRT @ 20%)

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<tr>
<td>Early booking delegates</td>
<td>£750</td>
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<tr>
<td>Delegates (after 31 July)</td>
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<td>Biometrics Institute members</td>
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<td>Public sector delegates</td>
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<td>(military or local government, military or police)</td>
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<tr>
<td>Exhibitor delegates</td>
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<tr>
<td>Member delegates (from partnering organisations)</td>
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<tr>
<td>Academic delegates</td>
<td>£550</td>
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<td>Student delegates</td>
<td>£350</td>
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Fee includes:
• access to conference sessions and exhibition area
• conference materials
• evening reception, lunch and mid-session refreshments

Register now at: www.biometricsandidentity.com
### DAY 2: Wednesday 14 October 2015

#### Identity management (in the digital world)
*Session Chair: Glen Wimbury, Director, Biometrics Institute, UK*

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<td>09.00</td>
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</table>
| 09.05 | Governments ‘need to expand their digital vision’  
       | Jean-Noël Georges, ICT Global Programme Director, Frost & Sullivan, France |
| 09.20 | ID management in Estonia: E-Estonia and digital identity documents  
       | Janek Mägi, Estonian Ministry of the Interior (Siseministeerium), Estonia |
| 09.40 | Biometrics in eGovernment 4.0 – From Civil Register to eGovernment services in Bosnia and Herzegovina  
       | Alexander Ristic, Senior International Government Manager, Austrian State Printing House – OeSD, Austria |
| 10.00 | Biometrics and identity services  
       | David Rennie, Head of Industry Engagement GOV.UK Verify, UK Cabinet Office, UK |
| 10.15 | Interactive panel discussion: Identity as a service?  
       | Moderator: Glen Wimbury, Director, Biometrics Institute, UK  
       | Panellists: Session speakers and Ray Kimble, Strategic Partner, GSMA, UK |
| 10.35 | Refreshment Break                           |
| 10.35 | 11.00                                       |
| 11.00 | **Session Chair’s Introduction**             |
| 11.05 | **KEYNOTE ADDRESS**  
       | Speaker to be announced                      |
| 11.25 | Smart Borders pilot – Preliminary findings  
       | Krum Garkov, Executive Director, EU-Lisa, Belgium |
| 11.40 | Schengen Masterlist of CSCA certificates – Real results  
       | Richard Rinkens, Coordinator for Biometrics and Identity Management, European Commission, Belgium |
| 11.55 | ID challenges and opportunities for immigration and the use of different biometrics  
       | Frøy Lavåsdal, Senior Adviser, Norwegian ID Centre, Norway |
| 12.05 | Smart Borders Pilot: German experiences  
       | Fares Rahmun, Project Manager, EU Visa Information System, Federal Office of Administration (BVA Bundes-verwaltungsamt), Germany |
| 12.20 | Questions and discussion                    |

#### ID at the borders and the future of travel (Part 1)
*Session Chair: Arron Baker, Chairman and Director, Biometrics Institute, New Zealand*

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</table>
| 11.05 | **KEYNOTE ADDRESS**  
       | How FIDO standards open markets for biometrics  
       | Brett McDowell, Executive Director, FIDO Alliance, USA |
| 11.25 | The future of biometrics for wearable devices – Active authentication and identity for the hyper-connected world  
       | Alan Goode, Managing Director, Goode Intelligence, UK |
| 11.40 | Authentication in a digital world: What are the challenges for authenticators?  
       | Pierre Antonio, Head of Marketing Advisory Committee, Natural Security Alliance, France |
| 12.00 | Delivering biometric services to consumers towards combating financial fraud in Brazil  
       | Igor Rocha, Founder and Executive Director, Certibio, a new division of Certisign, Brazil |
| 12.15 | **INTERACTIVE DISCUSSION: Biometrics and mobile payments – What is next?**  
       | As mobile payment services proliferate into mainstream consumer markets (ApplePay, AliPay, Loop Pay), what will be the impact and oversight required on biometric security solutions?  
       | Moderator: Art Stewart, Director, Biometrics Institute, USA  
       | Panellists: Session Speakers, Ted Dunstone, Head, Biometric Vulnerability Assessment Expert Group (BVAEG), Biometrics Institute, Australia, and Frank Smith, Chair, e-MOBIDIG, UK |
| 12.30 | Lunch                                       |
| 14-15 October 2015 | **DISCUSSION** |
| 08.00 | **FREE EXHIBITION** |

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DAY 2: Wednesday 14 October 2015

ID at the borders and the future of travel (Part 2)
Session Chair: To be announced

14.00  Session Chair’s Introduction

14.05  Painting the big picture for travel facilitation
Helen N. Marano, Vice President of Government & Industry Affairs, World Travel & Tourism Council, UK

14.25  Counter migrant smuggling and border management
Florian Forster, Head, Immigration and Border Management (IBM), Department of Migration Management (DMM), International Organization for Migration (IOM), Switzerland

14.45  DISCUSSION SESSION: How to balance security, and data protection while creating a more seamless customer journey
Moderator: To be announced
Panellists:
David Ryder, ACI EUROPE, Belgium
Emmanuel Berton, Aeroport de Paris, France
Cagatay Karabat, Tubitak Bilgem (Turkey) - Centre of Research for Advanced Technologies of Informatics and Information Security, Turkey
Helen N. Marano, Vice President of Government & Industry Affairs, World Travel & Tourism Council, UK
Sam De Silva, Partner – Head of IT & Outsourcing, Penningtons Manches LLP, UK
Arron Baker, Senior Business Representative – IGMS, Office of DCE-Immigration, Immigration New Zealand
John Keeffe, Director of Public Affairs, Eurotunnel, UK

15.40 – 16.10  Afternoon Refreshment Break

Consumer biometrics: What consumer applications are evolving? Mobility, payments and secure authentication (Part 2)
Session Chair: Juergen Pampus, Director, Biometrics Institute, Germany

14.00  Session Chair’s Introduction

14.05  The role of biometrics in payments is likely to be critical in the future take-up of mobile payments
Windsor Holden, Head of Consultancy & Forecasting, Juniper Research, UK

14.20  Mobility and customer authentication
Representative, Samsung Electronics, UK

14.40  Parlami! (Talk to me): Using biometric vocal technology for a new breed of mobile banking service
Gianluca Petrosino, Director, Unicredit, Italy

15.00  Enhancing mobile security via multi-factor biometrics
Anthony Gioeli, Vice President Marketing, Biometrics Product Division, Synaptics, Inc., USA

15.20  A security framework for biometric systems: Integrating technologies to protect biometric database and to reduce risks of direct attacks against biometric authentication systems
Marcelo Ribeiro Câmara, Department Manager, Bradesco, Brazil and Emilio Tissato Nakamura, Information Security Specialist, CPqD, Brazil

15.35  Questions and discussion

Biometrics in developing economies
Session Chair: Peter Went, CEO, WCC Smart Search & Match, The Netherlands

16.10  Session Chair’s Introduction

16.15  KEYNOTE ADDRESS: Programs on digital ID for development
Samia M. Melhem, Lead Policy Specialist, Transport and ICT, Chair, Digital Development Community of Practice, World Bank, USA

16.30  Using pre-existing biometric databases to build national population registers and/or national ID card systems – The example of biometric voter registration
Niall McCann, Senior Electoral Advisor and Coordinator Global Programme on Elections, United Nations Development Programme, USA

16.45  Iris recognition and voting register de-duplication in Somaliland
Kevin Bowyer, Schubmehl-Prein Professor and Chair of the Department of Computer Science and Engineering University of Notre Dame, USA

17.00  DISCUSSION SESSION: Biometrics in developing economies – Friend or foe?
Moderator: Peter Went, CEO, WCC Smart Search & Match, The Netherlands
Panellists:
Gus Hosein, Executive Director, Privacy International, UK
Samia M. Melhem, Lead Policy Specialist, Transport and ICT, Chair, Digital Development Community of Practice, World Bank, USA
Niall McCann, United Nations Development Programme, USA
Florian Forster, Head, Immigration and Border Management (IBM), Department of Migration Management (DMM), International Organization for Migration (IOM), Switzerland
Mia Elizabeth Harwitz, Former Lead Specialist Registries, Inter-American Development Bank, USA
Zlatan Milisic, Deputy Director, Policy and Programme Division, World Food Program, Italy

17.25  Questions and discussion

Technology developments
Session Chair: Justin Hughes, Member Technology Innovation Expert Group, Biometrics Institute, UK

16.10  Session Chair’s Introduction

16.15  RAPID FIRE SESSION
So what’s new in biometrics? This session will provide an opportunity for vendors to present the latest technology developments.

16.15  MRO™: Disruptive Sub-Dermal Fingerprint Authentication Technology
Josh Hogan, CTO, Inventor of MRO and Research Collaborator with National University of Ireland, Compact Imaging, Inc. USA

16.25  Mobile biometric authentication: Real world use cases
Jamie Cowper, Senior Director, Business Development, Nok Nok Labs, UK

16.35  Privacy and security – No database in biometrics
Ricardo Navarro, CEO, TOC, Chile

16.45  Better image quality by user-centric fingerprinting
Roberto Wolfer, CEO, Jenetric, Germany

16.55  Further Rapid Fire Talks coming soon

17.40  Close of Day 2
DAY 3: Thursday 15 October 2015

08.00 – 09.00  Registration

**Customer authentication**

**Session Chair:** Terry Hartmann, Vice President, Global Transportation, Unisys, USA

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<td>09.00</td>
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</table>
| 09.05 | Secure customer authentication – Biometrics as one tool  
Jonathan Vaux, Executive Director - New Digital Payments and Strategy, Visa Europe, UK |
| 09.25 | INTERACTIVE DISCUSSION: What does the consumer really want – How to balance security and convenience  
As usernames and passwords are so regularly compromised, we are rapidly moving to a new form of digital identity authentication. Digital signatures and sign-ons, enabled by mobile and biometrics, are becoming standard, but where does this take us in the longer term?  
This session will present different areas of banking and their current thinking around the differentiation in the market place, the customer experience and what the problem is that we are trying to solve – possibly through biometrics.  
**Moderator:** Poppy Trowbridge, Consumer Affairs Journalist, Sky TV News, UK  
**Panellists:**  
Terry Hartmann, Vice President, Global Transportation, Unisys, USA  
Andy Foote, VP, Innovation Research & Development, Wholesale Services Group, Wells Fargo Bank, USA  
Matt Smallman, Head of Transformational Design, Wealth Change and Transformation, Lloyds Banking Group, UK  
Gianluca Petrosino, Director, Unicredit, Italy  
Marc Störing, Lawyer, Osborne Clarke, Germany  
Ray Kimble, Strategic Partner, GSMA, UK |
| 10.30 | **Refreshment Break** |

**Making biometrics more robust and secure – Liveness detection discussion**

**Session Chair:** Ted Dunstone, Head, Biometric Vulnerability Assessment Expert Group (BVAEG), Biometrics Institute, Australia

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</table>
| 11.05 | KEYNOTE ADDRESS: I see, therefore I am… You  
Starbug, Chaos Computer Club, Germany |
| 11.35 | Mitigating biometric vulnerabilities  
Stephanie Schuckers, Director, Clarkson University – CITeR, USA |
| 11.50 | DISCUSSION SESSION: How can vulnerabilities in biometrics be reduced?  
This session will report the finding of a Biometric Vulnerability Assessment Expert Group (BVAEG) open workshop to be held on the 12 October 2015 in London, where different research laboratories will present on how vulnerabilities can be measured and mitigated.  
**Moderator:** Ted Dunstone, Head, Biometric Vulnerability Assessment Expert Group (BVAEG), Biometrics Institute, Australia  
**Panellists:**  
Stephanie Schuckers, Director, Clarkson University – CITeR, USA  
Raul Sanchez-Reillo, University Carlos III of Madrid (UC3M) - Electronic Technology Department, Spain  
Tsutomu Matsumoto, Head of Division of Social Environment and Informatics, Yokohama National University, Japan |

10.35–11.00  Refreshment Break

**Law enforcement, forensic and military**

**Session Chair:** Jim Loudermilk, Director, Biometrics Institute, USA

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</table>
| 13.35 | Biometrics – INTERPOL’s innovative use for tackling the foreign fighter threat  
Mark Branchflower, Head of Unit, Fingerprint Unit, Police Forensics Sub-Directorate, INTERPOL General Secretariat, France |
| 13.55 | Forensic hand image comparison as an aid for paedophile investigations – An overview  
Sue Black, Director of the Centre for Anatomy and Human Identification and Professor of Anatomy and Forensic Anthropology, University of Dundee, UK |
| 14.15 | Update from the FBI  
Jim Loudermilk, Senior Level Technologist, Science & Technology Branch, FBI, USA |
| 14.35 | The Biometrics Revolution – Its foundation in the physical world  
Detectives David Knowles and Gavin Burton, Metropolitan Police Service, UK |
| 14.50 | Questions and discussion |

14.50–15.05  Refreshment Break

**Research and innovation**

**Session Chair:** Kevin Bowyer, Schubmehl-Prein Professor and Chair, Department of Computer Science and Engineering  
University of Notre Dame, USA

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</table>
| 13.35 | The multiple biometrics behind a SuperIdentity  
Sarah Stevenage, Senior Lecturer in Psychology, University of Southampton, UK |
| 13.55 | Multi-touch biometrics  
Nasir Memon, Professor and Department. Head, Computer Science Department, Polytechnic School of Engineering, New York University, USA |
| 14.10 | Ocular biometrics in non-cooperative environments  
Hugo Pedro Proença, Associate Professor, University of Beira Interior, Covilhã, Portugal |
| 14.25 | Enhanced security and privacy protection in mobility scenarios. A case study on face verification  
Enrique Argones Rúa, Researcher, Gradiant, Spain |
| 14.40 | The face recognition envelope: Delivering performance to new territories  
Patrick Grother, Biometric Standards and Testing Lead, National Institute of Standards and Technology (NIST), Department of Commerce, USA |
| 14.55 | Questions and discussion |

15.10  CLOSING KEYNOTE ADDRESS: Speaker to be announced

15.40    Close of Conference and Refreshments

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