THE 2ND ANNUAL GOVERNMENT FORUM ON ELECTRONIC IDENTITY IN AFRICA

24-26 MAY 2016, KIGALI, RWANDA

Developing successful eID schemes: The practical guide

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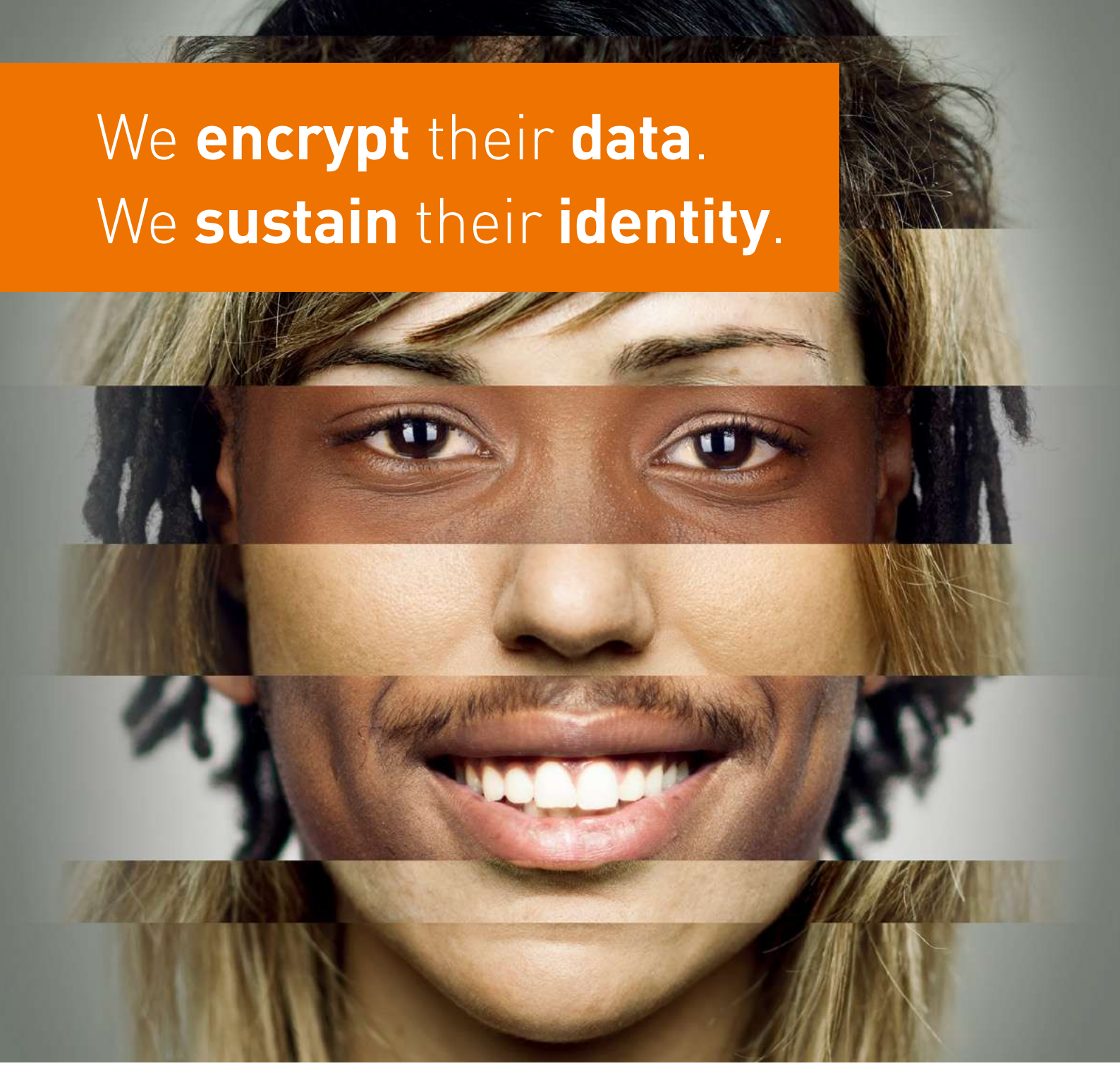

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INTRODUCTION

WELCOME TO THE ANNUAL MEETING OF THE ID4AFRICA MOVEMENT

The 2nd Annual Government Forum on Electronic Identity in Africa

We are pleased that our second event, themed "Developing Successful eID Schemes: The Practical Guide" is hosted by the National Identification Agency (NIDA) of the Republic of Rwanda. The ID4Africa Annual meeting in 2016 features a forum and expo and brings together over 550 delegates representing:

- Nearly 40 African and developing Nations
- Over 60 international identity solutions providers
- 11 international developing agencies

The ID4Africa Forum

The Kigali forum is comprehensive in its coverage of identity issues; from foundational identity programs such as national ID and civil registration, to functional applications such as the use of identity in social protection and labour, elections, health care, mobile payments, to improving national security, border management and population management of refugees and other migratory groups. The forum serves capacity building where African delegates are able to further explore options, explain problems and challenges, and seek input and advice from domain experts and vendors. It is also an opportunity for the international development agencies and donors to gain insight into the trends and needs in their focus practices and geographic zones in order to help in their engagement planning and development.

The ID4Africa Expo

Represented this year by over 60 international companies that are experts in security technologies and solutions for government identity schemes, the ID4Africa Expo, held in conjunction with the forum, is the largest in Africa and provides attendees prime opportunity to see and experience first-hand the wide range of innovations related to identification technologies, biometrics, mobile solutions, smart cards, system integration, identity-related information systems, authentication, and general identification systems.

We Wish You a Successful Visit

We encourage you to fully participate in the forum discussions and debates, visit the expo and meet the identity experts, while enjoying the networking experience with government representatives from Africa and beyond. We hope that you will leave ID4Africa 2016 with new knowledge, best practices and ideas that you can integrate into your own identity projects over the next 12 months.

Millions of Thanks!

We would like to thank NIDA of the Republic of Rwanda for fanning the ID4Africa flame that will continue to burn in years to come. We look forward to government agencies from other African states carrying the flame from year to year as they host ID4Africa in their own countries from 2017 onwards. We also thank our Board of Advisors who continue to guide us and help us bring this event to the attention of the relevant people; the sponsors and exhibitors that made this event possible financially; and last but not least you the delegates, for attending this significant event.

About the Host

The National Identification Agency (NIDA) of Rwanda began as a project following approval by cabinet in 2006. Its implementation started in 2007 to replace the old paper-based national identity card. NIDA was established into law on 31 October 2011 and now stands as one of the major ICT projects implemented by the government of Rwanda under vision 2020 not only to ensure the development of the country through improved security, but also for fast and efficient delivery of services to Rwandans. Today the organisation continues to build and modernize the National Population Registration production of modern identity cards and integrate systems for online authentication purposes in order to contribute to socio-economic and political planning. For more information visit: http://nid.gov.rw/

About the ID4Africa Movement

The ID4Africa Movement was motivated by the need to change the current situation with identification systems in Africa, where large segments of the population suffer from lack of robust and accessible IDs. In many cases citizens are not documented in the civil registers and as adults they do not hold identity credentials that enable them to exercise their rights and participate in society. As a consequence, they remain in the shadows excluded, burdened and unable to benefit from the fruits of development.

Our Vision
Legal identity for all in Africa as a driver for social and economic development

The Driver for Change

ID4Africa was conceived as a movement to promote the responsible adoption of digital identity systems as drivers of socioeconomic development. It was designed as a forum to allow African nations to compare experiences, share knowledge and pool resources to build capacity related to developing identity systems. It is a movement of empowerment where Africa would take matters into its own hands and would dictate how it will respond to its identification needs.

Birth of a Movement

ID4Africa called for an annual meeting to set the agenda year after year. The National Identification Authority (NIDA) of Tanzania hosted the inaugural event on June 2-4, 2015 in Dar es Salaam. Africa united; 27 African countries sent official delegations to participate in the dialogue. It was a sensational success of truly historic significance, bringing together over 310 regional and international stakeholders focused on digital identity and its application in Africa. This inaugural event set the foundation for the annual events to follow.

The Challenge

Africa's economic growth is accelerating but the benefits are unevenly distributed. For social development to match economic growth and generate long-term gains, inclusiveness is essential. There is a clear need for robust national systems that provide legal identity to all Africans, ensuring that everyone can access government services and benefits, prove their eligibility and be included in Africa's democracy and economic take-off.

Mission Modules

ID4Africa is a movement whose mission involves 5 specific modules of activities:

- Promote the responsible adoption of digital identity in order to enhance people's lives, make them visible, and empower them to claim and exercise their rights from birth-to-death with dignity and respect.
- Promote access to knowledge and information by the identity stakeholders so that policies and investments about identity systems are informed and based on sound evidence and experience.
- Promote South-South knowledge transfer related to identity in order to better understand the practical implications of different options depending on the context.
- Promote the emergence of a robust commercial identity marketplace, which allows many vendors, products, solutions, and technologies, to continually compete on innovations, features, performance and price for the benefit of Africa.
- Organize in Africa an annual meeting, accessible to all African Nations, in order to actively engage and discuss identity matters and to lay out the ID development agenda for the upcoming year.

Visit our website at www.id4africaforum.com

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ID4Africa 2016 Welcomes Delegations From Over 35 Nations

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CODE OF ETHICS

ID4AFRICA CODE OF ETHICS

1. We recognize that all people are born free and equal in dignity.
2. We respect and recognize the fundamental human rights with which each person is endowed.
3. We respect and recognize the moral values, religions, customs, traditions and the cultures of the communities we work with, and the religious freedom of all individuals.
4. We conduct our activities with the highest ethical standards, to ensure integrity, honesty, and moral values in all of our dealings.
5. We recognize that all people are entitled to recognition of their identity through the protection and rule of law and through a reliable, trusted identification system that does not discriminate and that safeguards their liberty and rights.
6. We are committed to communicating accurate and pertinent information regarding identity systems.
7. We use merit to select among competing propositions and options related to our events and actions. We will never be a willing partner to corruption, bribery or any other financial improprieties, illegalities or misconduct.
8. Legal identity for all in Africa as a driver for social and economic development.
9. We strive to act at all times in accordance with the humanitarian principle of Do-No-Harm. As a consequence, we do not support any identity system that negatively impacts the well- being of the people we are trying to help.
10. We strive to ensure that our activities maintain our respect for and avoid a negative impact on the environment.
11. We are not part of or controlled or influenced by any government or intergovernmental agency nor are we affiliated with any political party (Although we may agree and support policies and legislation in support of the adoption of identity systems.)

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AMBASSADOR PROGRAMME

In 2016, ID4Africa was pleased to introduce the Ambassador Programme to allow representatives of government agencies from all across Africa to play an integral role in building awareness of ID4Africa's mission, in their country.

ID4Africa Ambassadors are carefully selected based on their merit, passion and capacity to volunteer their time and energy to promote responsible use of digital identity in Africa. They are identity experts with a passionate belief in the potential of digital identity to accelerate social and economic development. They use their first-hand knowledge and experience to play an important role in linking identity authorities and users in their countries to the relevant ID4Africa expertise, events and activities.

Ambassadors serve for one year. They are officially appointed at the annual event and they serve until the next annual event.

Meet ID4Africa's 2016/2017 Ambassadors

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Ambassadors are required to operate with the **ID4Africa Code of Ethics** and to adhere to the operational guideline of the ID4Africa Executive Committee, and any policy directives issued by its own government.

JOIN US!

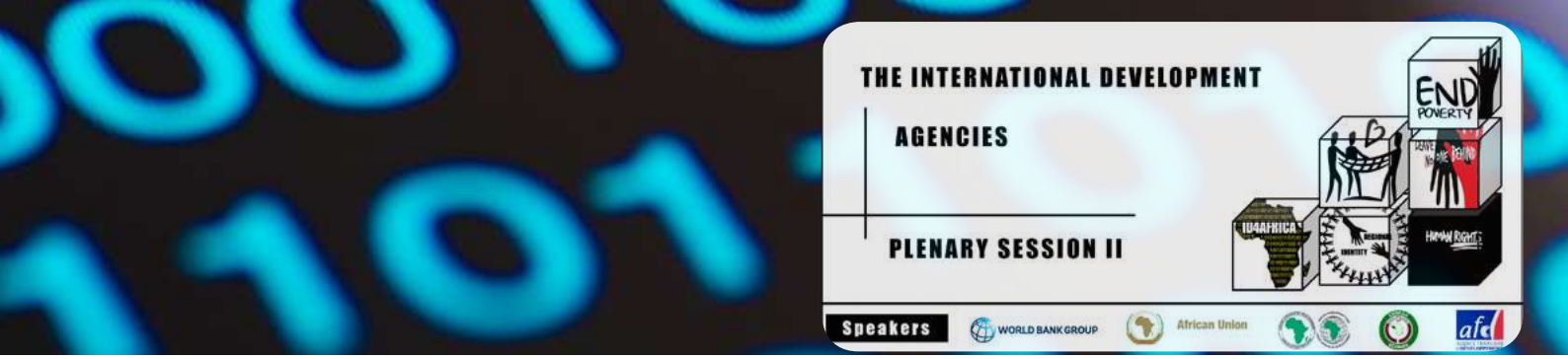
The Ambassador Programme is equal opportunity and selection is merit-based. It is open to individuals who work for government agencies that are considered stakeholders in identity in the country, even though the duties performed by the Ambassador are performed on his or her own time and not in any way related to their job.

Contact Veronica Ribeiro, Director of ID4Africa at **v.ribeiro@id4africaforum.com** to present your candidacy.

PROGRAMME

Day 1: Tuesday, 24 May

7:30	ARRIVALS, REGISTRATION, AND COFFEE	
OPENING 8:30-10:00	**WELCOME AND OPENING ADDRESSES**	
8:30	• **State of ID4Africa Address** Dr Joseph Atick, Executive Chairman, ID4Africa • **Guest of Honour Address** Speaker to be Advised	
9:10-10:00	OFFICIAL OPENING AND TOUR OF THE EXHIBITION Refreshments Courtesy of GenKey	
SESSION 1 10:00-12:45	**ID STAKEHOLDERS 1: THE NATIONAL IDENTITY AUTHORITIES** Moderated by: Dr Joseph Atick, Chairman, ID4Africa	
Theme	*Government identity authorities are the first group of key stakeholders in a national identity ecosystem. In this session on new developments in foundational identity systems, the following agencies discuss the challenges that their national eID systems will address.*	
10:00		**Moderator's Remarks**
10:05		**Rwanda's Future Vision and Roadmap for Integrating Civil Registration with Identity** Pascal Nyamulinda, Director General National Identification Agency, Rwanda
10:25		**Digital Identity, the Promise for Nigeria** Aliyu Abubakar Aziz, Director General/CEO National Identity Management Commission (NIMC), Nigeria
10:45		**Mali's Civil Registration and Biometric Population Census** [in French] SY Abdoul, Director of Human Resources Ministry of Defense and Veterans' Affairs (MDAC), Mali (Former Deputy Director of the State Center for Civil Data (CTDEC) Ministry of Territorial Administration and Decentralization, Mali)
11:05		**Namibia's Foundational Approach to Holistic Cradle-to-Grave Identity Management** Patrick Nandago, Permanent Secretary Ministry of Home Affairs and Immigration, Namibia
11:25		**Smart ID: Consolidating the Restoration of National Identity, Citizenship, and Dignity to All South Africans** Thomas Sigama, Chief Director National Department of Home Affairs, South Africa
11:45		**Integrating Civil Registration and Identity Management to Deliver eGovernment Services to All Citizens: Pertinent Lessons for Africa** Laila Abdul Majid, Principal Assistant Director, ICT Division National Registration Department of Malaysia, Ministry of Home Affairs, Malaysia
12:05	**Challenges for Identity Authorities in Africa Today** Panel Discussion	
12:45	LUNCH (60 MIN)	



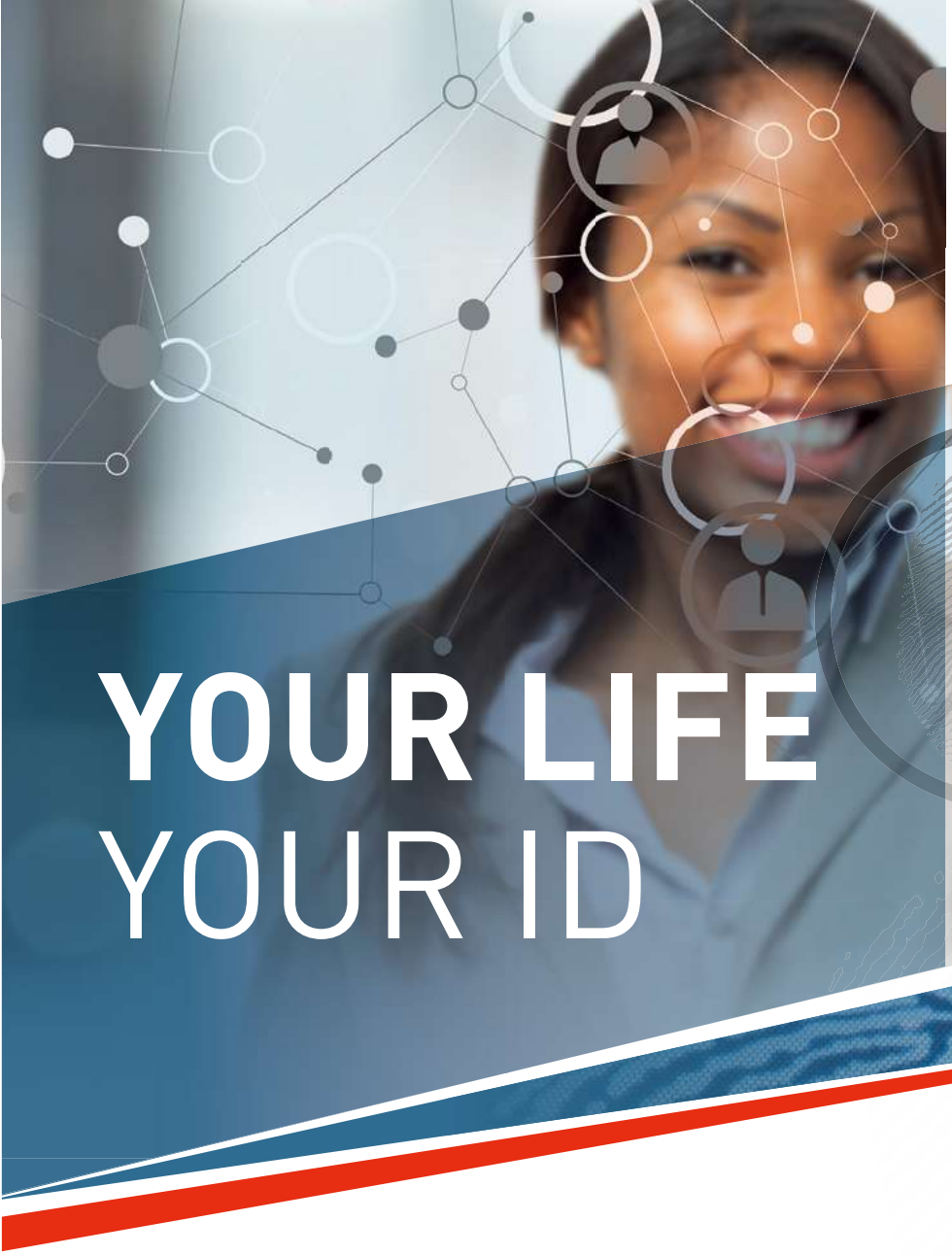
Day 1: Tuesday, 24 May

SESSION 2 13:45-15:30	ID STAKEHOLDERS 2: THE INTERNATIONAL DEVELOPMENT AGENCIES Moderated by: Dr Joseph Atick, Chairman, ID4Africa	
Theme	*International development agencies are the second group of key stakeholders in the identity space. In this session, representatives of international organisations give their perspective on the role of identification systems in development and give an overview of the type of projects and the methods by which they engage to support and coordinate these initiatives on national, regional and global levels.*	
13:45		**Moderator's Remarks**
13:50		**The World Bank's ID4D Initiative: Efforts to Date and Future Directions** Vyjayanti Tharmaratnam Desai, Program Manager, ID4D Initiative The World Bank
14:05		**Identification as a Cornerstone in the Development Agenda: the AFD Perspective** [in French] Nadine Poupart, Program Manager, Division of Health and Social Protection Agence française de Développement (AfD)
14:20		**Right to Nationality and its Implications for Inclusive ID Systems in Africa** Dr René Kouassi, Director, Economic Affairs Department African Union Commission
14:35		**Developing Identification Management Systems: The Vision of the African Development Bank** [in French] Samatar Omar Elmi, Senior ICT Officer African Development Bank
14:50		**ECOWAS Interoperable Biometric ID Card: A Vision for Regional Identity Integration** Dr Anthony Luka Elumelu, Head of Division of Free Movement & Migration ECOWAS Commission
15:05	**Driving Development by Delivering Legal Identity for All** Panel Discussion	
15:30	REFRESHMENTS (45 MIN): COURTESY OF GENKEY	

PROGRAMME

Day 1: Tuesday, 24 May

SESSION 3 16:15-18:30	ID STAKEHOLDERS 3: THE SOLUTIONS PROVIDERS Moderated by: Greg Pote, President, ID4Africa	
Theme	*The solutions providers are the third group of key stakeholders in the identity space. In this session, 6 leading identity solutions providers discuss the latest technology developments in identity systems and how they can support the next generation of foundational national identity schemes.*	
16:15		**Moderator's Remarks**
16:20		**Building Trust Through a State-of-the-Art Document Verification System** Charles Mevaa, Vice President, Africa Government Programs Gemalto
16:35		**Secure Mobile Identity: A Game Changer for Governments to Engage with Citizens** [in French] Adam Tangun, Vice President of Sales, Government ID Solutions HID Global
16:50		**Birth Registration and eID: Setting the Foundation for Citizen-centric Services** James Runcie, Head of Product Management, Identity De La Rue
17:05		**Challenges in Issuing Trustable Citizen IDs** [in French] Ronny Depoortere, Senior Vice President Zetes PASS
17:20		**Securing National Identity Schemes by Avoiding Fake Breeder Documents** Jean-Pierre Ting, Managing Director Arjo Systems
17:35		**Identity for all: Realizing the Identity Vision within the African Context** Michiel van der Veen, CEO Genkey
17:50		**Mobile Biometric Solutions** [in French] Fabien Rouaud, Program Manager and Managing Director Morpho, Côte d'Ivoire Morpho
18:05	**How Technologies and Innovations Are Evolving to Solve Identification Problems in Africa** Panel Discussion	
END OF DAY ONE		



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PROGRAMME

Day 2: Wednesday, 25 May

WORKSHOP 1 8:25-10:00	**LINKING FOUNDATIONAL IDENTITY REGISTERS** *Creating a Single Identity Management Policy Covering Civil Registration and NID* **Led by: Raj Gautam Mitra, Chief of Demographic and Social Statistics, United Nations Economic Commission For Africa (UNECA)**	
Theme	*This session will address two important issues: (i) Why civil and national identity registers need to be linked as a matter of policy, and (ii) What are the practical options for achieving this objective. These options may include institutional arrangements that unify the organizations responsible for the different foundational registers or using technology to ensure the interoperability of these registers, including identity resolution to establish the correspondence, as well as digitization of paper records.* *The presentations are followed by a moderated Q&A session emphasizing audience participation.* ***Workshop objective: allow participants to gain an understanding of practical strategies for integrating civil registration with national identity management systems and to understand the impact of Sustainable Development Goal 16.9 on their identity practices going forward.***	
8:25		**Linking Civil Registers and National Identification Registers: The Why** Raj Gautam Mitra, Chief of Demographic and Social Statistics United Nations Economic Commission For Africa (UNECA)
8:40		**The Importance of Birth Registration** Nadya Kassam, Child Protection Specialist United Nations Emergency Children's Fund (UNICEF)
8:55		**Uganda's Foundational Identity Framework** Judy Obitre-Gama, Executive Director National Identification and Registration Authority (NIRA), Uganda
9:10		**CRVS Digitization and its Linkage with National Identity** Edward Duffus, Head of Birth Registration Innovation Plan International
9:25		**ICT Frameworks for Realising Holistic CRVS Solutions in Africa** Tarvinder Sembhi, Senior Vice President, Sales, Identity Market WCC Smart Search and Match
9:40	Panel Discussion	
10:00	**REFRESHMENTS (45 MIN): COURTESY OF GENKEY** GEN KEY Identity for all	

Day 2: Wednesday, 25 May

WORKSHOP 2 8:25-10:00	**SECURING CREDENTIALS & ID ISSUANCE SYSTEMS** *Building trust in the ID issuance process and preventing forgery, tampering or counterfeiting* **Moderated by: Greg Pote, President, ID4Africa**	
Theme	*Five experts present brief perspectives on how to build confidence and trust in identity schemes by securing the production and issuance of ID credentials. This includes securing the issuance process as well as securing the credential itself through adopting innovations in security printing techniques and secure production and personalisation. This will be followed by a 40-minute moderated discussion between the experts and workshop participants.* ***Workshop objective: enable ID issuing authorities and government security printers in Africa to learn about how to achieve the highest level of trust in ID (Trust the issuer, Trust the credential, Trust the Process). This is required to ensure that the issued ID is genuine (not tampered with or counterfeited) and is issued to a legitimate identity (as opposed to a genuine ID issued to a fake identity through malfeasance or fraud). The audience will learn about latest innovations for producing and issuing secure ID credentials, understand recent threats that fraudsters are employing to forge, tamper with, or counterfeit ID credentials, and explore the practical considerations of secure identity document production to prevent malfeasance in Africa.***	
8:25		**Moderator's Remarks**
8:30		**Securing the Nation with Trusted Identities and Secure Transactions** Wayne Fletcher, Marketing Manager Entrust Datacard
8:40		**Securing Interchangeable Functionality of the Physical Token and the Digital ID Verification Processes** Holger Reinke, Director of Sales (Africa) OVD Kinegram
8:50		**How Modern Security Controllers Help Build Trust in ID Credentials and Systems** Rainer Bergmann, Director of Business Development Government ID, Chip Card & Security Infineon Technologies
9:00		**A Security Chain for the ID Document Issuance and Management** Sean Zheng, Vice General Manager Emperor Technology
9:10		**Enhanced Security for the Issuance Platform of eID Documents and their Lifecycle Management** Sergey Yeliseyev, Business Development Director, Government eID Solutions X INFOTECH
9:20		**Trusted Credentials for Leveraging Digital ID** Benoît Berthe, Director, Product and Lasink Business Line Oberthur Technologies
9:30	Panel Discussion	
10:00	**REFRESHMENTS (45 MIN): COURTESY OF GENKEY** GEN KEY Identity for all	

PROGRAMME

Day 2: Wednesday, 25 May

WORKSHOP 3 10:45-12:25	**LEGAL FRAMEWORKS AND GOVERNANCE OF IDENTITY MANAGEMENT SYSTEMS** *Constructing the framework to protect the legal rights and the privacy of personal information in ID Systems* **Led by: James Neumann, Senior Counsel, Transport & ICT Global Practice, The World Bank**	
Theme	*Along with its benefits, identity and identification systems pose several risks, which require attention and mitigation. For example, electronic capture and storage of personal data requires strong provisions of governance and management to ensure the quality, security and privacy of data, protecting from misuse, exploitation, or theft. In addition, in order to build trust among users it requires the right legal framework at the national level to ensure respect of individual legal rights such as privacy.* *This workshop provides participants with a practical guide on legal frameworks, data management and protection and privacy matters needed to ensure responsible deployment and sustainability of e-ID systems.* *The workshop is aimed at practitioners from the identity authorities and it addresses the following issues: (1) What overall legal and governance frameworks are recommended, (2) Why the adoption of a privacy and data protection framework from day one matters in identification systems, and (3) The practical institutional and administrative experience in the adoption and implementation of eID systems. This includes an examination of rules-based legal structures in the context of civil law (top-down) as well as the promotion of a culture of privacy ingrained in the business processes around identification systems and the programs that use them (bottom-up) for public good, often seen in countries with common law.* ***Workshop objective: Participants will leave the workshop with a practical understanding of the legal and governance frameworks required for responsible deployment of identity management systems and for coherent policies and strategies to promote acceptance of, and trust in ID management systems.***	
10:45		**Tutorial on Data Protection and Privacy** James Neumann, Senior Counsel, Transport & ICT Global Practice The World Bank
11:10		**Governance Considerations for Effective ID Management Systems** Mia Harbitz, International Consultant and Expert Formerly The World Bank and Inter-American Development Bank
11:25		**Ghana's Legal Framework for an ID Regime: The multipurpose national ID card** Josef Iroko, General Legal Counsel, Board Secretary Ghana National Identification Authority, Ghana
11:40		**Data Protection and Privacy in Côte d'Ivoire: Expanding the ECOWAS Legal Framework** [in French] Leontine Dorcasee Gbato, Director of Legal Affairs The Telecommunications/Regulatory Body of Côte d'Ivoire (ARTCI), Côte d'Ivoire
11:55	Panel Discussion	
12:25	**LUNCH (60 MIN)**	

Day 2: Wednesday, 25 May

WORKSHOP 4 10:45-12:25	**THE ECONOMICS AND BUSINESS MODELS OF IDENTIFICATION SCHEMES** *Examining the financial dimension of identification systems through evidence-based analysis* **Led by: Alan Gelb, Center for Global Development**	
Theme	*The workshop will attempt to answer two fundamental questions related to the economics of digital identity and its financing by exploring evidence from relevant experiences: (1) What is the evidence that identification schemes make economic sense for society? and (2) What options are available for financing them (business models)?* *The financing question will explore a multitude of options that range from using revenue generated from fees for identification services offered, to using credit from savings to budgets due to the elimination of leakages in benefits programs, elimination of ghost workers or the elimination of fraudulent claims in universal healthcare schemes that deploy a strong identification system.* ***Workshop objective: participants will gain a clear understanding of the economic impact of digital identity systems and will learn about pragmatic approaches and strategies to finance them through a range of available business models that have the potential to accelerate the ROI of identity schemes.***	
10:45		**Why the Economics of Identity Matters** Alan Gelb, Senior Fellow Center for Global Development
11:00		**The Belgian Digital Transformation. An Analysis of Business Models** Frank Leyman, Manager of International Relations Federal Public Service for Information and Communication Technologies (FEDICT), Belgium
11:15		**Digital Identity and the Universal Health Coverage of Côte d'Ivoire: the Business Case** [In French] Karim Bamba, General Director Caisse Nationale d'Assurance Maladie (CNAM), Côte d'Ivoire
11:30		**India LPG experience: "PaHaL" Direct Benefit Transfer in LPG Sales based on Aadhar** Shailendra Kumar Sharma, General Manager IndianOil Corporation Ltd
11:45		**Nigeria's Experience with Identity Systems for Civil Service Reform** Fatima Nana Mede, Permanent Secretary Ministry of Budget and National Planning, Nigeria
12:00	Panel Discussion	
12:25	**LUNCH (60 MIN)**	

PROGRAMME

Day 2: Wednesday, 25 May

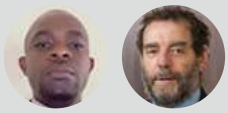
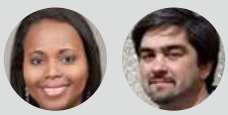
WORKSHOP 5 13:25-15:00	**IDENTITY IN SUPPORT OF DEMOCRACY** *Using Electoral Registers, National ID Schemes or a Combination of Both* **Led by: Niall McCann, Lead Electoral Advisor, United Nations Development Programme (UNDP)**	
Theme	*In this workshop led by the UNDP, experts from election commission, development partners, and industry discuss the experiences and trends in using digital identity in support of democracy and elections (including enrolment as well as voter verification). This includes both the experiences of using foundational identity (i.e. national ID) as well as independent functional voter registers. In addition, the workshop elaborates on the harmonization efforts between national identity and electoral registers in countries where both have been developed and addresses some of the challenges related to the additional sensitive information (e.g. Ethnicity, nationality, etc.) normally captured in the electoral registers.* ***Workshop objectives: understanding the advantages and disadvantages of linking or delinking voter registers from foundational registers. Gaining practical knowledge how to perform identity enrolment & verification and looking for lessons learned that can be used for other functional identity registers, such as social registers.***	
13:25		**UN Activity in Support of Identity Management – Why Support To One Register Should be Integrated with Support to All** Niall McCann, Lead Electoral Advisor United Nations Development Programme (UNDP)
13:40		**From Electoral Registers to Foundational National Identity Schemes. The Sierra Leone Experience** William Davies, Executive Secretary National Electoral Commission, Sierra Leone
13:50		**The Biometric Census of the Population: A Foundational Approach to Developing Permanent Voter Registers** [in French] Dr Ahmat Ali Hissein, General Director Permanent Office of Elections, National Independent Electoral Commission, Chad
14:00		**Pioneering New Ways to Build Reliable Voter Registers Quickly: Exploring Iris Recognition** Mahmoud Wais, Vice Chairman, Somaliland National Electoral Commission (NEC) Somaliland
14:10		**10 Years' Experience in Africa: Retrospective, Lessons Learned and Opportunities for Ambitious Governments** Bart Symons, Senior Technical Consultant Zetes PASS
14:20	Panel Discussion	
15:00	**REFRESHMENTS (45 MIN) COURTESY OF GENKEY** GEN KEY Identity for all	

Day 2: Wednesday, 25 May

WORKSHOP 6 13:25-15:00	**SOCIAL PROTECTION & FINANCIAL INCLUSION** *Combining Identity Strategies with Innovative Technologies to Help the Excluded* **Led by: Robert Palacios, Global Thematic Leader, World Bank**	
Theme	*The delivery of social protection and the enabling of the unbanked to access financial services are critical to helping the excluded and eradicating poverty - but both are dependent upon identity. In this workshop, 5 experts present brief perspectives, share experience and discuss how social protection and financial inclusion are increasingly seen as being linked to national identity strategies (especially when dealing with systems of social protection and not isolated point programs) through the application of innovative technologies.* ***Workshop objective: participants will get a practical understanding of what is involved in established social and household registers, how to link them to national identity systems and how those can be used in support of the mission of social protection, inclusion and poverty reduction.***	
13:25		**How Identification Systems Contribute to Better Social Protection** Robert Palacios, Global Thematic Leader The World Bank
13:40		**Leveraging Foundational Identity Registers in Support of Social Protection Initiatives** Usman Mobin, Chairman National Database and Registration Authority (NADRA), Pakistan
13:55		**Identification and Social Protection in Kenya** Winnie Mwasiaji, National Coordinator, Social Protection Secretariat Ministry of Labour, Social Security & Services, Kenya
14:10		**The Vision for Rwanda's Integrated Social Protection MIS and Role of the National ID** Francine Tumushime, Director General, Community Development and Social Affairs Ministry of Local Government (MINALOC), Rwanda
14:25		**Going Beyond "Hu Kou": The Shenzhen Resident Permit Card for Social Protection of Floating Populations** Yan Jinbo, Chief Director Shenzhen Special ID Card Research & Production Center, China (PRC)
14:40	Panel Discussion	
15:00	**REFRESHMENTS (45 MIN) COURTESY OF GENKEY**	

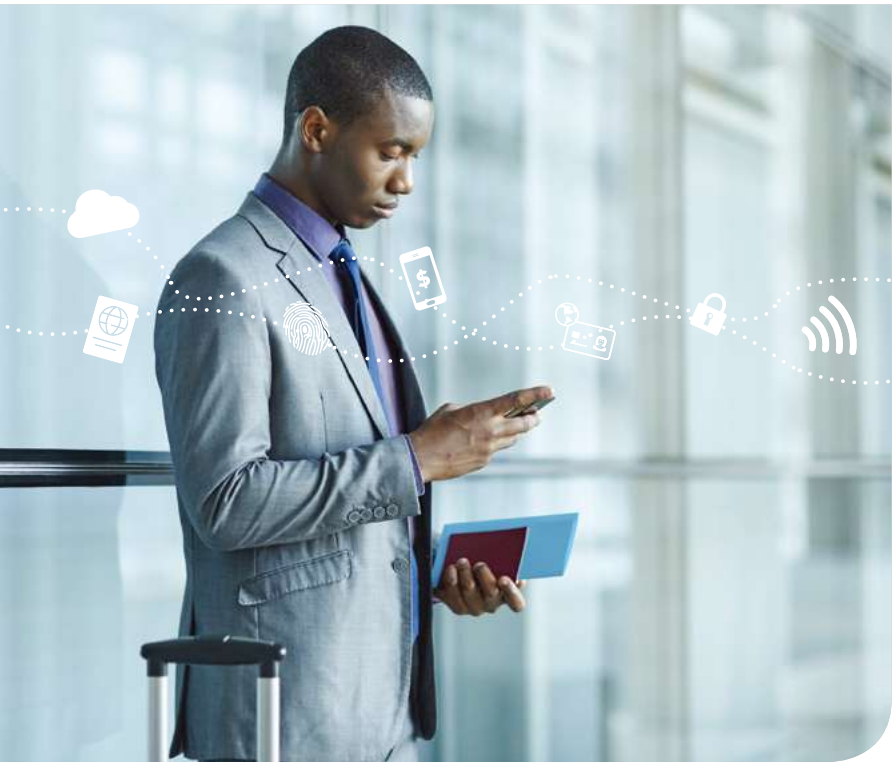
PROGRAMME

Day 2: Wednesday, 25 May

SESSION 4 15:45-17:00	**RAPID FIRE REPORTS FROM THE WORKSHOPS** **Moderated by: Dr Joseph Atick, Chairman, ID4Africa**	
Theme	*In this session, designated representatives (called Correspondents) along with the workshop leaders from each of the 6 workshops make brief reports on the take-home messages and recommendations resulting from each workshop. Audience will be given 3 minutes per workshop report to react.* *This will be done in Rapid Fire Format where the correspondents and workshop leader attempt to convey to the full plenary audience some big ideas in a very short period of time.*	
15:45	**CEREMONY: ANNOUNCEMENT OF THE 2017 ID4AFRICA HOST COUNTRY**	
16:00		**WORKSHOP 1: SUMMARY AND RECOMMENDATIONS** **Correspondent 1:** Neo Lepang, Director, Department of Civil and National Registration, Ministry of Labour and Home Affairs, Botswana **Workshop Leader:** Raj Mitra, UNECA **Audience Reaction**
16:10		**WORKSHOP 2: SUMMARY AND RECOMMENDATIONS** **Correspondent 2:** Emmanuel Brown, Senior Officer, Card Production, National Identity Authority, Ghana **Workshop Leader:** Greg Pote, ID4Africa **Audience Reaction**
16:20		**WORKSHOP 3: SUMMARY AND RECOMMENDATIONS** **Correspondent 3:** Godswill Ukauwa, Chief Superintendent of Immigration, Nigeria **Workshop Leader:** James Neumann, The World Bank **Audience Reaction**
16:30		**WORKSHOP 4: SUMMARY AND RECOMMENDATIONS** **Correspondent 4:** Elijah Koroma, CTO, National Registration Secretariat, Sierra Leone **Workshop Leader:** Alan Gelb, Center for Global Development **Audience Reaction**
16:40		**WORKSHOP 5: SUMMARY AND RECOMMENDATIONS** **Correspondent 5:** Jacques Kayisire, Director of Information Technology, National ID Agency (NIDA), Rwanda **Workshop Leader:** Niall McCann, UNDP **Audience Reaction**
16:50		**WORKSHOP 6: SUMMARY AND RECOMMENDATIONS** **Correspondent 6:** Mouna Ahmed Ragueh, Department Head of Social Safetynet Program, Social Registry Coordinator, Djibouti **Workshop Leader:** Robert Palacios, The World Bank **Audience Reaction**
CLOSING SESSION 17:00-18:00	**WHAT'S NEXT FOR eID IN AFRICA?** **Moderated by: Dr Joseph Atick, Chairman, ID4Africa**	
17:00	In this final Davos-style panel, the session moderator will lead a group of identity experts to explore the future of electronic identity in Africa. The moderator will invite these experts to start the discussion by giving their initial perspectives following which all the delegates will be invited to participate in the discussion - all questions, perspectives and opinions will be welcomed. The invited identity experts will be asked to summarise the outcomes from the Forum's two days and to contribute a closing tweet under the ID4Africa handle to give their final perspective and take home messages.	
18:00	**CLOSING CEREMONY** ID4Africa Board and Executive Committee National Identification Agency of Rwanda (NIDA)	

Day 3: Thursday, 26 May

Site Visit to Rwanda's National ID System	
Site Visit - 1	**All registered site visit participants**
8:15 - 8:30	Arrival of all registered site visit participants at Serena Hotel, Kigali and board for buses, to be escorted by two NIDA staff.
8:30 - 9:00	Moving from Serena Hotel to 3 different Sector's Office
	Bus 1: Gitega Sector's Office - 5 Min from Serena Hotel
	Bus 2: Niboyi Sector's Office - 20 Min from Serena Hotel
	Bus 3: Remera Sector's office -30 Min from Serena Hotel
9:00 - 10:00	Guided tour of application and enrollment process (including biometric capture) at the sector offices.
Site Visit - 2	**All registered site visit participants**
10:00 - 10:30	All buses arrive at NIDA headquarters
10:30 - 12:00	Guided tour of Rwanda National ID card personalization and production center. In groups.
12:00 - 12:30	Signing in the visitor's book and take Group Photo
12:45	Buses leave (end of the visits for all site visit participants) and return to Serena Hotel, Kigali



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We help governments, national printers and integrators design and roll-out secure documents and robust digital identity solutions. Beyond the traditional enrollment, personalization and issuance services, our eGovernment infrastructure and innovative applications will help win citizen's acceptance and boost usage. A leader in digital identity solutions, we are active in over 100 government programs worldwide.

Come and visit us at booth C17, to experience our Registration, Color ID & ePassport and ID Verification demos amongst others.

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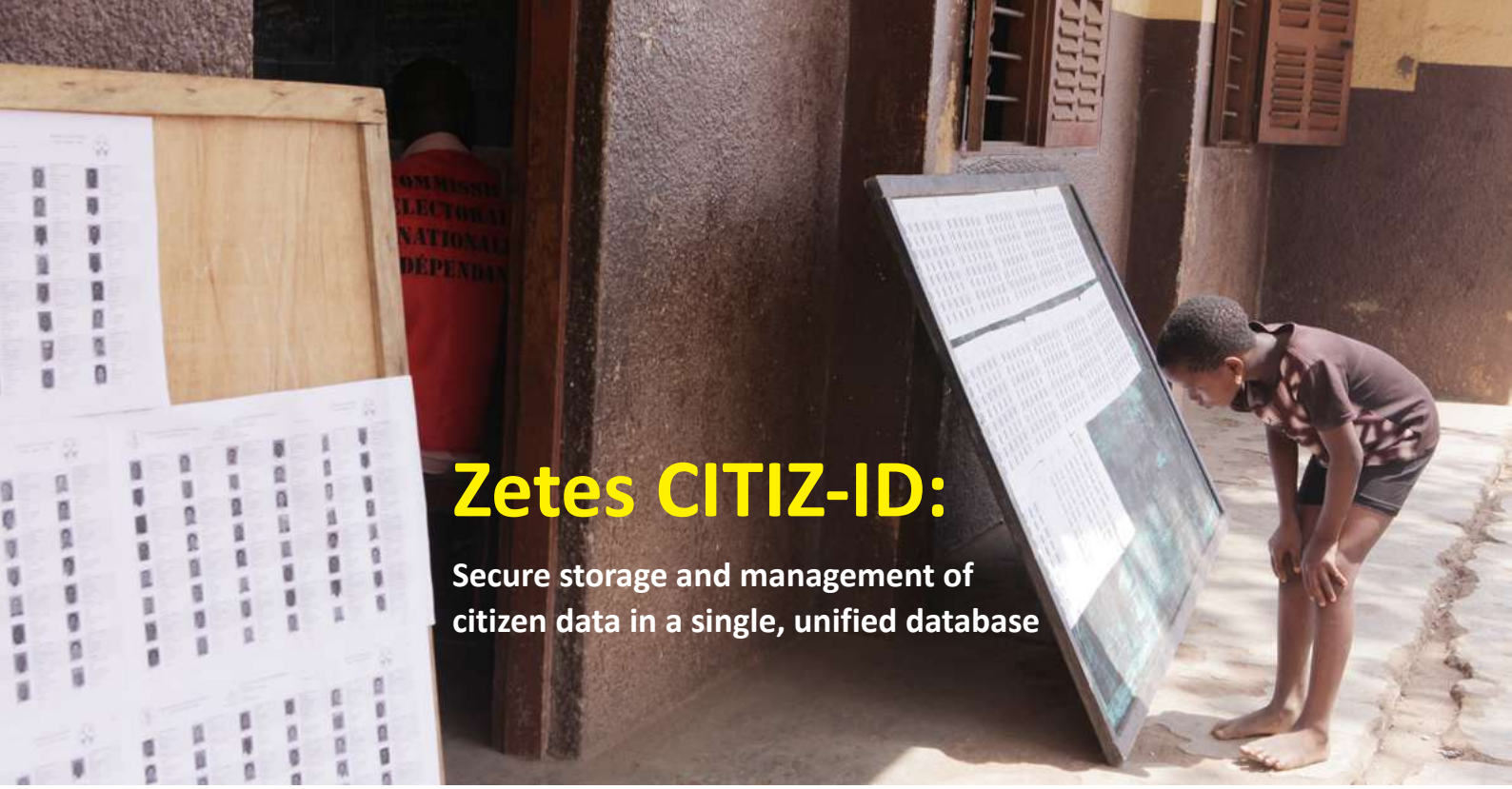

Zetes CITIZ-ID:

Secure storage and management of citizen data in a single, unified database

Creating a reliable population register is a challenging prospect for governments that want to implement a modern citizen identity management system. The first challenge is the accurate registration of the biographical and biometric profiles of each and every citizen. The second challenge is the ability to consolidate and structure that information such that it can be used for a variety of purposes. The biggest challenge however is how to kick start it all and make it sustainable for the long term.

Many African countries devote large funds and resources to voter registration in an effort to increase participation in democratic elections. These registration campaigns are restricted in time and scope. Once the elections are over, the equipment is scattered or put in storage, thousands of trained staff are laid off and the organisation is dismantled. The information in the register is not put to any use other than for the elections. The voter register itself is not kept up to date and will be obsolete by the next elections. An opportunity has been lost to initialize a true population register.

Using the momentum of voter registration

The investment in and local experience gained with voter registration could be put to good use for the creation of a population register.

"The investment in and local experience gained with voter registration could be put to good use for the creation of a population register."

This requires a different approach than usual, and means expanding the scope and time frame of the registration campaign:

- broaden the target group, e.g. include children, foreign residents, etc.
- broaden the information set that is registered for each person
- also register relationships between people, e.g. parentage, marriage, etc.
- start much earlier before the election date than typical for a mere voter registration campaign
- make the organisation and infrastructure permanent, to continue the registration of citizens and civil events on a permanent basis
- treat the voter register as an extract or derivative of the broader population register

CITIZ-ID: a central and unique source

With CITIZ-ID, Zetes specifically targets authorities who wish to set up such a register **from scratch and within tight deadlines**.

Once this population register is operational, it can gradually develop to become the **sole reference**, the authentic information source. The main goal of a national register is to consolidate all relevant information linked to identity into a **central and unique source**. Depending on the goals and needs of the administration, this source will contain basic information allowing to identify citizens as well as a broader set of information regarding civil status, parent-child link, etc.

Zetes CITIZ-ID provides an approach to:

- **reduce the cost, time and effort** to deploy a rudimentary population register;
- allow local IT staff to **deploy and manage the solution without specialist skill sets**;
- give the government the option to **adapt and extend** the core system to **accommodate new needs over the years**

connect:ID 2017

biometric ID:HUB
mobile ID:HUB
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Conference: May 1–3, 2017 · Exhibition: May 2–3, 2017

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Exploring next-generation identity technologies and solutions

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- In-depth, non-commercial presentations, case studies and discussions by carefully selected expert speakers.
- Conference discounts for early bookers, government and selected end users.
- 75+ industry leaders exhibiting an impressive array of identity technology, services and solutions.
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- Network with 1000+ international attendees from governments, industry, NGOs, and professional service providers.

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IBIA International Biometrics+Identity Association

SPEAKERS

Dr Joseph Atick, Executive Chairman, ID4Africa

Dr. Joseph Atick is a recognized worldwide expert on identity matters, having been one of the founders of the identity industry more than 25 years ago, where he led several companies in the space and developed some of the foundational algorithms underlying secure digital identity today. He has extensive field experience in the domain having played an instrumental role in many of the world's leading identity programs including India's UID, Indonesia's eKTP and Saudi Arabia's CAFIS. After retiring from the industry in 2010, he founded the Identity Counsel International to focus on helping governments, especially in developing countries, and international organizations understand the positive impact of digital identity in socio-economic and political development. He has been a strong advocate of privacy and responsible use of identity technology. He is the Director Emeritus of the International Biometrics and Identification Association, which he co-founded in 1998 in Washington, DC, to provide responsible use guidance to the industry and to policy makers. He has an active ongoing partnership with the World Bank on identity matters and has been very active in many missions in Africa. In 2014, Dr. Atick became co-founder of ID4Africa where he serves as Executive Chairmain. He has a PhD in Mathematical Physics from Stanford University.

Pascal Nyamulinda, Director General, National Identification Agency, Rwanda

Pascal Nyamulinda has been the Director General of the National Identification Agency since 2012. Prior to this role he served as Coordinator of the National ID Project from 2007 to 2012 and was a diplomat at the Permanent Mission of Rwanda to the United Nations in New York. Before his appointment with the United Nations, Mr. Nyamulinda served as a public servant for the Government of the Republic of Rwanda. Mr. Nyamulinda has a Post Graduate degree in Project Management from Maastricht University and a Bachelors degree in International Public Affairs from the Universite Catholique de Louvain, Belgium.

Aliyu Abubakar Aziz, Director General/CEO, National Identity Management Commission (NIMC), Nigeria

Aliyu Abubakar Aziz is the Director General/CEO of the National Identity Management Commission (NIMC) in Nigeria. Before his appointment as CEO, he was one of the pioneers of the Commission and held the position of Director for the Information Technology (IT)/National Identity Database Department. Prior to the NIMC, he was Director at the Secretariat of the Presidential Implementation Committee; responsible for implementing government decisions for consumer credit systems, national outsourcing initiatives and the harmonization of identification schemes in Nigeria. The committee oversaw the establishment of the NIMC in 2007. Aliyu Aziz has over 30 years' post-qualification experience in Engineering and IT spanning both private and public sectors. He has served the ministry in various capacities during which he pioneered the implementation of the first eGovernment solution. Aliyu Aziz is a member of key Nigerian and international Engineering and ICT-centric Societies including the NSE, ASME, COAN, ISOC and NIStructE. He is an alumnus of Harvard, Stanford, IMD and Lagos Business School.

SY Abdoul, Director, Human Resources, Ministry of Defense and Veterans' Affairs (MDAC), Mali
(Former Deputy Director of the State Center for Civil Data (CTDEC)
Ministry of Territorial Administration and Decentralization, Mali)

SY Abdoul is a qualified Civil Engineer, with a specialty in Systems. Until February 2016, he served as Deputy Director of the Data Center of Civil State of Mali since April 2009. In this position, he ensured the coordination, project management and control of all operations of the Data Center. He administrated the biometric identification system (MorphoCivis), and enabled the system to be available to all users. Prior to this position, Abdoul SY worked with the Ministry of Territorial Administration and Local Communities information technology unit from 2008 to 2009 where he assisted in enhancing the strategic planning of the IT department and built various databases, such as Elect-Ciel 1.1, for the General elections and Ciel-ONG, for the Department of Foreign Investments. He is now the Human Resources Director of the Armed Forces of Mali of the Ministry of Defense and Veterans Affairs (MDAC).

Patrick Nandago, Permanent Secretary, Ministry of Home Affairs and Immigration, Namibia

Patrick Nandago was appointed as Permanent Secretary of the Ministry of Home Affairs and Immigration in 2010. Prior to this appointment he held various key positions within the Namibian Government. Most recently, he served as Namibia's Ambassador to the United States of America from 2006-2010 and to Brazil from 2004-2006. During his tenure in the Ministry of Home Affairs and Immigration, he oversaw the digitization of all processes within the Department of Civil Registration, through the introduction of a new integrated and web-based National Population Registration System (NPRS), which hosts all civil records (including the ID records) under one demographic profile. Today, 80% of all birth and death certificates are printed to the applicant on the spot. Permanent Secretary Nandago also paved the way to closer collaboration among various stakeholders, such as the Ministry of Health and Social Services, Ministry of Safety and Security, Ministry of Justice and the Namibia Statistic Agency; all key players are in the Civil Registration and Vital System in Namibia.

Thomas Sigama, Chief Director, Identification Processing, National Department of Home Affairs, South Africa

Thomas Sigama is the Chief Director of Identity Processing at the Department of Home Affairs in South Africa. He joined the Department in 2006 as a Director responsible for the National Population Register. In his current role he is largely responsible for the secured processing of all identity documents in South Africa which includes both the green barcoded Identity Documents as well the newly launched Smart ID Cards. He continues to play a leading role in the roll-out of the Smart ID Card throughout South Africa. His duties also include the management and maintenance of the Home Affairs National Identification System (HANIS), verification of demographics and biometrics, maintenance of National Population records (storage, retrieval and archive) as well as fingerprints of citizens and non-citizenry including Permanent Residence holders. He holds a Bachelors (Hons) degree, Certificate in Public Management Development Programme and Advanced Diploma in e-Technology Computing.

Laila Abdul Majid, Principal Assistant Director, ICT Division, National Registration Department of Malaysia

Laila Abdul Majid has been working at the National Registration Department of Malaysia (NRD) since 1985 where she is involved in development of the IT system from its previous stand-alone system up to the current online application system. The NRD is responsible for civil registration management including issuance of identity cards, birth and death certificates. As Head of the Application Development Team in the ICT Division of the NRD, Laila is responsible for ICT-related plans and programs and oversees a team of software developers and administrators who develop and maintain NRD's core information systems, including the identity card production system. Laila is additionally responsible for managing the development of an integration system with other government agencies such as the Ministry of Health and Police Department.

Vyjayanti Tharmaratnam Desai, Program Manager, Identification for Development (ID4D) , The World Bank

Vyjayanti Desai is the Program Manager for Identification for Development (ID4D), a multi-sectoral initiative of the World Bank Group, integrating approaches across the following Global Practices and departments: Transport & ICT, Social Protection and Labor, Finance and Markets, Governance, Health Nutrition Population, Development Economics Data, and Gender. Vyjayanti is focused on scaling up and operationalizing the ID4D initiative and collaborating with key external partners. Prior to joining the ID4D program, she was Lead Private Sector Development Specialist with the Trade and Competitiveness Global Practice. She joined the World Bank Group (WBG) in 2000 and spent time working on World Bank and IFC advisory programs in Africa, East Asia and South Asia as well as in global roles. Within the WBG, she has shaped many cross-departmental and inter-WBG programs, actively working to develop a unified agenda and designing integrated multi-sectoral solutions on a range of topics. She chaired a WBG wide working group on SME development, managed a global team focused on private participation in infrastructure and social sectors in investment climate and led several joint Bank-IFC multi-sectoral engagements on topics of competitiveness, SMEs, investment climate policy and regulatory reforms, and access to finance.

Nadine Poupart, Program Manager, Health & Social Protection Division, Agence française de Développement (AfD)

Nadine Poupart joined Agence française de Développement (The French Development Agency – AfD) in September 2015 as Project Manager for social protection in the Health and Social Protection Division. Prior to this position, she was Human Development Coordinator and Senior Economist at The World Bank where she spent over twenty years conducting high level policy dialogue and managing projects, technical assistance programs and analytical work in the fields of social protection, labor, poverty, health, education and community development. Nadine worked on a variety of social protection issues: strategies and systems, targeting, subsidy reforms, unconditional and conditional cash transfer programs, labor intensive public works, social insurance, etc., in the Middle East and North Africa, Africa, and South Asia regions. She holds a PhD and Masters degree in Economics of Development from the Paris 2 University, France.

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SPEAKERS

Dr René Koussai, Director, Economic Affairs Department, The African Union Commission

Dr. René Kouassi, an Ivorian national, has served as the Director of the Department of Economic Affairs of the Commission of the African Union since July 2004. Previously he was Deputy Chief of Staff of the Secretary General of the Organisation of African Unity (OAU), and Chief of Cabinet of the Interim Chairperson of the Commission of the African Union. He is currently also the initiator and organiser of the Congress of African Economists, and initiator and Editor-in-Chief of the African Journal of Integration and Development (RAID). In past years he was Programme Coordinator of "Industrial Development in Africa" of the African Institute for Economic Development and Planning (IDEP), based in Dakar, Senegal. He was also Senior Lecturer in the Faculty of Economics and Management at the University of Abidjan, Cocody, and Senior Lecturer in the African and Malagasy Council for Higher Education (CAMES). Dr. Kouassi has authored several books and articles. He holds a PhD in Economics from the University of Versailles, France, a Doctorate in Development Economics and a Post Graduate Diploma in Physical Planning from the University of Auvergne (Clermont – Ferrand I, France)

Samatar Omar Elmi, Senior ICT Officer, African Development Bank

Samatar Omar Elmi is the Senior ICT Project Manager for Department Transportation, Urban Development, and ICT at the African Development Bank (ADB). He began his career in telecommunications in Djibouti prior to joining the ADB in 2011. Since then he has led the investigation and implementation of several structural projects on the continent, the most emblematic being the Dorsal fiber optics scheme interconnecting the regional countries of Central Africa. Beyond infrastructure, he has worked on various projects implementing ICT development through various African countries. He has begun several initiatives (studies and investment projects) on the modernization of the value chain within the civil state using the underlying data facts (births, deaths, marriages, and divorces) to establish national systems of electronic identification management for which the applications are limitless. He holds an engineering degree from Telecom Saint-Etienne (France) and a Masters in Economics and International Development from the School of Economics at the University of Auvergne (France).

Dr Anthony Luka Elumelu, Head of Division, Free Movement & Migration, ECOWAS Commission

Dr. Anthony Luka Elumelu is Head of the Free Movement and Migration Division at the Economic Community of West African States (ECOWAS) Commission. He began his career in public service as a Cadet Officer at the Nigeria Immigration Service where he pioneered many innovative schemes and rose to the position of Assistant Comptroller of Immigration. After becoming Head of the Protocol Unit, he left the Service to take up an international appointment with the ECOWAS Commission as Principal Programme Officer in the Department of Free Movement and Migration. His experience in the Immigration Service broadened his scope and prepared him for the challenges involved in repositioning the Free Movement and Migration Department for global relevance and dynamic enhancement of migratory practices. Dr. Elumelu has presented on several topical papers on ECOWAS' Common Approach on Migration and Development at many international forums. He holds a BA (Hons) and a Masters in International Law and Diplomacy.

Greg Pote, President, ID4Africa

Greg Pote is the Co-founder and President of ID4Africa and is also Chairman of the Asia Pacific Smart Card Association (APSCA), the only regional industry association for secure smart chip technology applications in Asia, which he co-founded in 1997. Based in Shanghai, Greg is dedicated to promoting secure smart technology throughout the region and works with APSCA members to assist in developing their businesses, initiatives and schemes. Greg has spoken at more than 170 industry forums and seminars covering smart card business and technology across 17 countries in Asia, Africa, the Gulf and Europe. He chaired the majority of these industry events, including moderating business and technology discussions with leading experts from governments, banks, transport operators, telecoms operators and technology companies. Greg was one of several subject matter experts requested to speak in the Hong Kong Legislative Council session to support the request for funding by the Hong Kong Immigration Department for the implementation of the first generation Hong Kong Smart Identity Card. He has provided consultancy to APSCA members and advised both end-user organisations and suppliers on the technology roadmap and business strategies for identity and payments.

Charles Mevaa, Vice President, Africa Government Programs, Gemalto

Charles Mevaa is the Vice President for Africa Government Programs at Gemalto. He joined Gemalto in 2004 as a Director of Component Engineering in the Purchasing Division. In his current position, he is driving the expansion of Gemalto in Government Programs in Africa, with key projects launched in Identity, border management, health insurance, Voter registration or National Registry in South Africa, Ghana, Burkina, Benin, Gabon and Uganda among others. He has 20 years' experience in the electronic and security industry with several management positions in various companies. Charles has a PhD in Microelectronics from Ecole Centrale de Lyon, France.

Ronny Depoortere, Senior Vice President, Zetes PASS

As Senior Vice President at Zetes PASS, Ronny Depoortere is responsible for the management of all the global Zetes People-ID government projects. Working in the ICT industry for more than 23 years, his area of expertise covers ID solutions, National Register & Biometrics Solutions, Voter Registration Solutions, specifically in Africa, Border Control Solutions, e-Voting, PKI & Digital Signature, e-Government & eID applications, Software Solutions for Internet and e-Commerce. In his current position, he has been in charge of the sales and implementation teams for several ID-driven projects in Africa and elsewhere, such as the Ivorian, Gambian, and Belgian ePassport, voters' registration and deduplication projects in the DR Congo, Togo, Benin, Uganda, Guinea, Cabo Verde, among others and the Belgian, Portuguese, and Israeli electronic identity card. He built up his years of experience as sales, marketing and business development manager within technology companies such as Utimaco and Anixter. Ronny is a Civil Engineer in Electronics (University of Leuven) and holds a Masters and Postgraduate degree in Business Administration, both from the University of Leuven.

Dr Ahmat Ali Hissein, Director General, Permanent Office of Elections, National Independent Electoral Commission, Chad

Dr. Ahmat Ali Hissein is the Director General of the Bureau Permanent Des Elections (B.P.E.) (Permanent Bureau of Elections) in Chad, a position he has held since its inception through a presidential decree in 2010. The BPE is empowered with the mission of providing technical support on a permanent basis to the CENI, the political electoral organ in Chad. Dr. Hissein led the recently concluded and successful biometric census of the population which was used as the basis to constitute the electoral roster for the April 2016 elections. He is recognized as a highly seasoned information technology expert with strong identity management, and civil administration digital reform experience.

James Runcie, Head of Product Management, Identity, De la Rue

James Runcie is the Head of Product Marketing at De La Rue. He has worked in the industry for over 25 years, leading biometric, passport and card related solution based organizations. His role at De La Rue is in leading the introduction of innovative identity management offerings to the global marketplace. He is specifically focused on the area of citizen registration in Africa and the strategic benefits such solutions bring to governments - aiding their development and ability to deliver sustainable eID solutions to citizens.

Adam Tangun, Vice President, Sales, Government ID Solutions, HID Global

Adam Tangun is Vice President of Sales, Government ID Solutions, Europe for HID Global, which he joined in 2008. He is responsible for developing sales, as well as establishing markets for the high-security citizen identification documents business and related systems & solutions, including eIDs, national e-health cards, e-driver's licenses, and e-passports. He has been working on Government projects across the globe since 2000. Adam holds a Masters in Electrical Engineering & Signal Processing from the Paris Telecom Institute ENST and the Civil Aviation School (ENAC) of Toulouse, France.

Jean-Pierre Ting, Managing Director, Arjo Systems

Jean-Pierre Ting is the Managing Director and co-Founder of Arjo Systems and leads the worldwide activities of the company. Jean-Pierre has been in his current position since 2008 and has been working in the high tech and software industry for close to 20 years with various roles in Sales, Marketing and Product functions. He holds a Master of Business Administration from the University of California, Berkeley with a focus on high tech marketing.

Michiel van der Veen, CEO, Genkey

Michiel van der Veen is CEO of GenKey where his role is to lead the company. In 2008, with a first round investment, Michiel founded priv-ID BV as a spin-off from Philips. Later, to further accelerate growth, he successfully concluded the merger between priv-ID and GenKey and became the CEO of GenKey Group. Under Michiel's leadership, GenKey, with offices in the Netherlands, USA and Ghana, has now become the market leader for large-scale biometric solutions used in National Elections, National Health Schemes and National ID projects. Prior to GenKey, he worked at Royal Philips Electronics where he was responsible for the biometric developments. Michiel is a dedicated entrepreneur with the vision, skills, and passion to successfully lead and grow high-tech companies. He holds MSc and PhD degrees in Geophysics from the University of Utrecht, The Netherlands, and the Swiss Federal Institute of Technology ETH Zurich, Switzerland, respectively.

SPEAKERS

Fabien Rouaud, Program Manager and Managing Director, Morpho, Côte d'Ivoire

Fabien Rouaund has been working on the design and implementation of large IT projects for banks and governments in sub-Saharan Africa since 1998. He joined Morpho in 2008 as a Program Manager in ID solutions and has successfully managed several projects like the national ID, as well as the 2010 and 2015 presidential elections in Côte d'Ivoire, the RAVEC in Mali, or the 2013 presidential elections in Kenya. He is now the Managing Director of Morpho in Côte d'Ivoire.

Raj Gautam Mitra, Chief of Demographic and Social Statistics, United Nations Economic Commission for Africa (UNECA)

Raj Guatam Mitra started his career by joining the Indian Statistical Service in 1981, a specialized civil service to manage statistical systems in the Central Government. During his initial service he managed field statistical activities including conducting population and housing census in one of the states in India. During his 25 years of service with the Government of India, he held senior positions including Head of the Civil Registration Division and Head of the Census Division in the Office of the Registrar General and Census Commissioner. He also managed a pilot project on Multinational National Identity Card. Prior to joining UNECA he was the Planning, Monitoring and Evaluation Specialist in UNICEF India. During his tenure in UNICEF he supported the Government of India in strengthening major data systems that produce data on child related indicators. He contributed significantly in revamping the CRVS system in India and also successfully conducting the 2001 Census in India. At UNECA, he is leading an Africa programme on Civil Registration and Vital Statistics and coordinating programmes on Population and Housing Census, Gender Statistics and Statistics on Development Indicators.

Nadya Kassam, Child Protection Specialist, United Nations Emergency Children's Fund (UNICEF)

Nadya Kassam first started working on birth registration in 2006 when she was the Head of Global Advocacy at Plan International. There, she established the global campaign – Count Every Child - which not only demonstrated that programmes could reach children in hard to reach areas, but also that by underpinning programme work with advocacy, sustainable change could be made. In order to deliver results, Nadya has created key strategic partnerships with a diverse range of partners including UNHCR, UNICEF, UNESCO, INTERPOL, Harvard University, the International Council of Nurses (ICN), the International Confederation of Midwives (ICM), IADB, Aviva and De La Rue. Before working in development, Nadya worked for ten years for a very diverse range of organizations including trade unions, national disability groups and coalitions, and children's rights organizations.

Judy Obitre-Gama, Executive Director, National Identification and Registration Authority (NIRA), Uganda

Judy Obitre-Gama is the Executive Director of the newly formed National Identification and Registration Authority (NIRA) established under the Registration of Persons Act 2015 in Uganda. She assumed office in July 2015 following the establishment of a Board in June 2015. Registration of births, deaths and adoption orders, with effect from 1st January 2016, constitutes part of the mandate of NIRA following transfer of the services from the Uganda Registration Services Bureau. Previously, Ms. Obitre-Gama was Board Secretary of the Uganda Registration Services Bureau (URSB). The URSB during that period was the national agency responsible for the registration of civil vital statistics, business registration, registration and protection of intellectual property rights. Judy has served as legal consultant in legislative and policy reviews. She is an LL.B (Hons) graduate of Makerere University and an alumnus of the London School of Economics where she attained an LL.M (University of London). She is an advocate of the Courts of Judicature of Uganda.

Edward Duffus, Head of Birth Registration Innovation, Plan International

Edward Duffus is Plan International's Head of Birth Registration Innovation. Building on 12 years of IT project management and systems implementation experience with Accenture in London, Paris and Brussels, he now leads a team to develop innovative birth registration programmes using appropriate digital technologies. There are currently five projects underway in Kenya, Malawi, Pakistan, Bangladesh and Indonesia with a total budget of over $5 million. Edward has developed a "Technical Analysis" methodology used by Plan International to assess appropriate technology solutions for CRVS strengthening and integrated birth registration programmes. He is also a core group member of the African Programme for the Accelerated Improvement of CRVS and led the development of the "CRVS Digitisation Guidebook" (www.crvs-dgb.org), sponsored by the African Development Bank.

Tarvinder Sembhi, Senior Vice President, Sales, Identity Market, WCC Smart Search & Match

Tarvinder Sembhi is Senior Vice President at WCC, where his role is to oversee the company's operations in the Identity market. Tarvinder Sembhi is a veteran executive in the biometrics and ID management industry. He was most recently President of 4G Identity Solutions, where he was responsible for strategic product development, corporate branding and marketing, and streamlining operations. At Iridian Technologies, he was Vice President of Product Management and Business Development and was responsible for the strategic roadmap for a product portfolio that received Frost & Sullivan's Technology Leadership Award. He has also held leadership roles with General Electric Company, Ford Motor Company, and Sarnoff Corporation. Tarvinder Sembhi has a Bachelors in Engineering from Penn State University and an MBA from Lehigh University. He also graduated from General Electric's prestigious Management Program.

Wayne Fletcher, Marketing Manager, Entrust Datacard

Wayne Fletcher is a Marketing Manager within the government solutions team at Entrust Datacard, driving business growth through competitive solutions that enhance the security and efficiency of government identification programs. He passionately believes in market driven technology that facilitates the adoption of trusted convenient credentialing applications. Wayne has significant marketing and business development leadership within high technology semiconductor and software application markets with several years' experience in the secure identification market, smart card technologies and PKI applications and holds a Bachelors (Hons) degree in Physical Electronics from Northumbria University.

Holger Reinke, Director, Sales (Africa), OVD Kinegram

Holger Reinke is Director of Sales in Africa at OVD Kinegram and oversees business development for Africa government documents in all Anglophone and Francophone regions. Holger has over 18 years' experience as Director in Sales and CEO in international sales and business development for new markets with focus on the African continent. He has a degree in Economics and International Sales and an Executive MBA from Northwestern University Chicago, Illinois USA. A native of Germany, Holger spent most of his life in Japan and Spain, and has lived in the Republic of Cameroon for over 12 years.

Rainer Bergmann, Director, Business Development, Government ID Chip Card & Security, Infineon Technologies

Rainer Bergmann is the Director of Business Development for Government ID Chip Card & Security at Infineon Technologies, covering application fields such as National electronic ID, ePassport, Health Care/Social Security, eDriver License, eVoting cards, and Government Employee Cards. His responsibility includes the definition and the execution of Government ID strategy, worldwide leadership of projects in the market segment for Government IDs, as well as the extension of Infineon's customer- and partner-network. Rainer began his career at Siemens Semiconductor Group (now Infineon Technologies) in 1984. After several years in chip development and process development for Power Semiconductors and after Product Marketing responsibility for Smart Power products for Automotive he joined Infineon's Chip Card &Security division in year 2000. He studied process technology in Frankfurt, Germany, where he became a graduate engineer in 1983.

Sean Zheng, Vice General Manager, Emperor Technology

Sean Zheng is the Vice General Manager of Emperor Technology and leads the business development and marketing department in the company. With more than 10 years' experience in the areas of secure identity and document personalization, he has been involved in the implementation of many national identity programs all over the world.

SPEAKERS

Sergey Yeliseyev, Business Development Director, Government eID Solutions, X INFOTECH

Sergey Yeliseyev is the co-owner of X INFOTECH and Business Development Director in the Government eID sector. He has 13 years of professional experience in smart card and secure ID document business. Since 2001 he has devoted himself to work in the area of payment card and ID document technologies. He is responsible for the overall management of strategic, operational marketing and customer relationship activities, planning and coordinating the implementation of business plans, the penetration of new markets and business consultancies. His international experience covers introduction of smart card and electronic identification document projects and consultancies in different countries around the globe.

Benoît Berthe, Director, Product and Lasink Business Line, Oberthur Technologies

Benoît Berthe is in charge of Product Development of the "Citizen Access and Identity" division of Oberthur Technologies. Previously, he worked in the pharmaceutical industry for 10 years at Smith and Nephew carrying out various roles including COO of the French entity. He later joined the smart card industry as R&D Director and subsequently MD of the French entity of Datacard for another 10 years. Benoît graduated from the engineering school "Institut National des Sciences Appliquées" in Lyon, and holds a Masters degree from Lyon 1 University in Automation and Computer Science, as well as in Business and Management.

James Neumann, Senior Counsel, Transport & ICT Global Practice, The World Bank

James Neumann is Senior Counsel for the Transport and ICT Global Practice of the World Bank. He is legal adviser to the recently constituted ID4D Working Group, a high level initiative aimed at developing the World Bank's approach to identification and civil registration, and the Global Civil Registration and Vital Statistics (CRVS) initiative. Since joining the Legal Vice Presidency in 2010 and GTIDR in 2014, he has covered the legal aspects of infrastructure investment, market reforms and sector development for information and communications technologies (ICT). He works globally in more than 20 countries on a wide range of matters including the legal enabling environment for ICT infrastructure and services, privatizations, licensing, Public Private Partnerships, broadband rollout, competition policy and regulation, technical regulation, individual privacy and data security, and IPRs. Prior to joining the World Bank, he worked in private practice as an attorney specializing in competition, market regulation and law reform.

Mia Harbitz, International Consultant and Expert, Formerly The World Bank and Inter-American Development Bank

Mia Harbitz is an identity management professional with extensive project management experience in developing countries. She is the former Lead Specialist in identity management and registries with a focus on governance for the Inter-American Development Bank (IADB), and is presently working as advisor to the World Bank's Identity for Development (ID4D) initiative. Over the course of a 25-year career she has designed and managed development projects that modernized and strengthened the capacities of civil and identification registries with emphasis in Latin America. These projects contributed toward a significant increase in birth registration and civil identification as well as improved the quality of national vital statistics systems. She has authored and contributed to numerous publications and books on legal identity, identity management, the implications of under-registration, and social inclusion as a means to poverty reduction. Her academic background is in engineering, and prior to coming to Latin America in 1991 she worked in development programs in East Africa and the Middle East.

Josef Iroko, General Legal Counsel, Board Secretary, Ghana National Identification Authority, Ghana

Josef Iroko joined the Ghana National Identification Authority (NIA) in 2010 as the first in-house Counsel and is also the Administrative/ Recording Secretary to the NIA Governing Board and Secretary to all the board committees. At the NIA, Josef has handled all legal cases for and against the Authority pending in the courts and other quasi-judicial bodies, prepared and reviewed contracts for execution by the Authority, and generally advises on issues relating to identity management, data protection and privacy laws among other regulatory and compliance matters. In 2015, Josef completed work on a new draft bill for the Ghana National Identification Authority after a review of the existing statute. He played a key role in the drafting of the National Identity Register Regulations, 2012 (L.I. 2111) to enable the effective functioning of the NIA as set up by its enabling statutes. In January 2014, Josef also became Head of the newly created Administration, Legal & Compliance Department. He has a Law degree from the University of Ghana, Legon and professional qualification in Law from the Ghana School of Law, both in Accra. He was admitted to the Ghana Bar in 2003.

Leontine Dorcasse Gbato, Director of Legal Affairs, Telecommunications Regulation Authority /TIC (ARTCI), Côte d'Ivoire

Leontine Dorcasse Gbato is the Director of Legal Affairs, at the Authority of Personal Data Protection of the Republic of Côte d'Ivoire. As such, she ensures the follow-up on all implementation plans of the Authority of Personal Data Protection and checks full compliance of all public administrations and private enterprises based on Act n°2013-450 of June 19, 2013 which relates to the protection of personal data. She holds a Masters in Political Sciences specializing in Judicial Studies.

Alan Gelb, Senior Fellow, Center for Global Development

Alan Gelb is a Senior Fellow at the Center for Global Development. His recent research includes the applications of biometric ID technology for development purposes particularly in low and middle-income countries, the special challenges of resource-rich countries, and instruments to link aid flows to results. He also works on competitiveness and industrial development, especially in Sub-Saharan Africa. He was previously director of development policy at the World Bank, and before that chief economist for the Bank's Africa region and staff director for the 1996 World Development Report "From Plan to Market". He has published widely in these areas, including in refereed journals.

Frank Leyman, Manager, International Relations
Federal Public Service for Information and Communication Technologies (FEDICT), Belgium

Frank Leyman is Manager for International Relations at FEDICT (Federal Public Service for Information and Communication Technologies), a role which he has been serving for over 10 years. Frank started his career with IBM Belgium in the telecom division. After 6 years he joined the Belgian national telecom operator BELGACOM where he was in charge of setting up the Corporate Services Sector. He was later appointed as Distribution Channels Director for the Belgacom Group. In 1999 he joined PROTON WORLD; an international company specializing in large-scale smartcard based projects. He was Head of business development in the Middle-East and African Region and has co-developed the complete Government offering. Currently, Frank works closely with the European Commission, OECD and the World Bank. He is the Past Chairman of the International Council for IT in Government Administration (ICA), he chairs the Identity Management Expert Group for the World Bank and is the Belgian representative in the eGovernment High Level Group of the European Commission.

Karim Bamba, Director General, Caisse Nationale d'Assurance Maladie, Côte d'Ivoire

Karim Bamba is Director General of Caisse Nationale d'Assurance Maladie (CIPRES), Côte d'Ivoire. As an expert in social policies, he spent twelve years from 1988 working for the Côte d'Ivoire National Social Insurance Fund (CNPS) before becoming Director of Social Security and Mutual Insurance from 2001 to 2011. He later became General Director of Social Affairs where he served for 3 years, from which, as Minister of Social Affairs and Professional Training, he coordinated the reform of the pension branch of the CNPS and presided over Reform Committees for the CGRAE and the MUGEFCI. Since 2006, he has been working towards establishing a system for protecting against the risk of disease in Côte d'Ivoire and has presided over the Supervisory Commission of the Inter-African Conference on Social Welfare (CIPRES) since January of 2007. In August 2014, Mr. Bamba was made Director General of the Social Insurance Institute – National Health Insurance Fund (IPS-CNAM) with the mission of achieving Universal Health Coverage.

Fatima Nana Mede, Permanent Secretary, Ministry of Budget and National Planning, Nigeria

Fatima Nana Mede became Permanent Secretary to the Ministry of Budget and National Planning of Nigeria in 2015. She started her career as an Accountant for the NTA of Abuja and later, of Benue State. This led to an appointment at the Benue State Civil Service where she held various positions eventually becoming the Permanent Secretary to the Benue State in 2007. She subsequently joined the Federal Civil Service as Deputy Director (Accounts) posted to the Office of the Accountant General of the Federation. Here she was responsible for implementing the Integrated Payroll and Personnel Information System (IPPIS). She was later appointed as Permanent Secretary to the Federal Ministry of Environment before assuming her current role in the Ministry of Budget and National Planning. Mrs. Mede has a Bachelors degree in Accounting from Alabama A&M University, USA, where she also earned her MBA.

Shailendra Kumar Sharma, General Manager, IndianOil Corporation Ltd

Shailendra Kumar Sharma, is General Manager for IndianOil Corporation Ltd. He has worked with IndianOil for over 33 years and has vast experience in LPG marketing of over 30 years. He has been involved in the transformation of LPG Marketing in India. His area of interest is to develop solutions to challenges of accessibility, availability, affordability and awareness in the LPG Market. Mr. Sharma has a B.Tech degree in Chemical Engineering from the Indian Institute of Technology (IIT), Kanpur, India.

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For more information, visit entrustdatacard.com/ID4Africa

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SPEAKERS

Niall McCann, Lead Electoral Advisor, Bureau of Policy and Programme Support, United Nations Development Programme (UNDP)

Niall McCann is UNDP's Lead Electoral Advisor, based at the Bureau for Policy and Programme Support in New York. In this position he provides programming and advisory support to UNDP Country Offices engaged in providing electoral assistance (approximately 60 per year), as well as contributing to the development of the UN's electoral assistance policy, as issued by the Under-Secretary-General for Political Affairs. Since 2005, he has worked for a number of both UN and EU field missions, providing frontline electoral assistance to the national electoral authorities in Sierra Leone, Lebanon, Liberia, Zambia, Yemen and Afghanistan. In election observation, he observed at Deputy Chief Observer/Deputy Head of Mission level for the European Union and the OSCE Office for Democratic Institutions and Human Rights in Sudan and Croatia, and he also served in numerous other Core Teams for OSCE/ODIHR in Romania, Hungary, Bosnia and Herzegovina and Croatia. From 1996-1999, he was Elections Officer/Senior Elections Officer with the OSCE Mission in Bosnia and Herzegovina.

Mohamoud Wais, Vice Chairman, Somaliland National Electoral Commission (NEC), Somaliland

Mohamoud Wais is a public health, malaria and vector borne diseases control specialist. He is currently the Vice Chairman of the Somaliland National Electoral Commission (NEC), an independent commission consisting of seven members appointed to lead the democratization process and mandated to hold acceptable fair and free elections. Prior to this role he was a senior technical officer for the World Health Organization (WHO) in the Eastern Mediterranean region, Khartoum, Sudan (2001-2012). Prior to that he was Coordinator of family and children's health at Model Cities of Saint Paul, Inc. in Minnesota, USA. He has served as a health instructor at select schools in Minnesota, USA, and has worked with AFRICARE Incorporated in Washington, DC, as Child Survival Project Advisor. He began his career as the National Director of the national malaria and schistosomias projects at the Ministry of Health, Mogadishu, Somalia.

William Davies, Executive Secretary, National Electoral Commission, Sierra Leone

William Davies serves as Executive Secretary at the National Electoral Commission (NEC) of Sierra Leone. In this role he has headed and chaired all management committees of the NEC for the planning and implementation of the 2012 general elections. Prior to his appointment in 2010, he was first Director of Administration and Finance at the NEC from 2008 to 2010. Before joining the public service, Mr. Davies worked in non-profit organisations in Sierra Leone including Christian Aid, where he was Finance Manager, and ActionAid where he was Project Accountant. Mr. Davies is a Chartered and Certified Accountant (ACCA) and has a Masters degree in Accounting from the University of Sierra Leone.

Robert Palacios, Global Thematic Group Leader, The World Bank

Robert Palacios is Global Thematic Group Leader for Pensions and Social Insurance in the Social Protection and Labor Practice of the World Bank. Between 1992-1994, he was a member of the research department team that produced the World Bank's influential volume on international pension systems, "Averting the Old Age Crisis: Policies to Protect the Old and Promote Growth". Since 1995, he has divided his time between operational work and research with work in more than two dozen countries, most recently focusing on South Asia. His publications include articles and books on old age poverty, health insurance and a wide range of pension policy issues. His current areas of special interest include integration of policies across social sectors and use of technology to deliver and track social programs. He represents the SPL Global Practice on the recently constituted ID4D Working Group, a high level initiative aimed at developing the World Bank's approach to identification and civil registration.

Usman Mobin, Chairman, National Database and Registration Authority (NADRA), Pakistan

Usman Mobin has been NADRA's Chief Technology Officer since 2002. With his wealth of knowledge and strong technical expertise, he has provided revolutionary changes to various systems at both national and international level; gaining positive repute as a pioneer for contributing innovative state-of-art technology solutions. As the main architect of NADRA's technology infrastructure, Mr. Mobin has played a key role in the transformation of the organization from a small technology base with outsourced operations, to one of the most highly reputed identity management systems in the world with complete self-sufficiency in the management and development of its technology. He is also well respected as the architect of Pakistan's passport system enabling the development of world's first multi-biometric electronic passport. In 2015 Mr. Mobin became the youngest head of any government institution in Pakistan. He has been appointed as the Chairman in admittance to his outstanding services to National Database Regulatory Authority (NADRA).

Winnie Mwasiaji, National Coordinator, Social Protection Secretariat, Ministry of Labour Social Security & Services, Kenya

Winnie Mwasiaji is the National Coordinator of Social Protection Programmes within the Ministry of Labour, Social Security & Services in Kenya. Her key roles of responsibility include facilitating effective and efficient delivery of social protection intervention as well working with policy makers to ensure adequate funding for social protection interventions in the country. She spearheaded the formulation of the national social protection policy, the session paper on the national social protection policy and the draft of the national social protection council bill. She also led and coordinated the technical team that developed the single registry system for Kenya. Ms. Mwasiaji has over 27 years' experience in social development and more than 8 years' experience in social protection policy and programme implementation. She has authored several publications on social protection and more specifically, cash transfer programmes where she has been instrumental in the initiation and design of the cash transfer to older persons. She holds a Bachelors degree in Sociology and Community Development.

Bart Symons, Senior Technical Consultant, Zetes PASS

Bart Symons has more than 20 years' experience in PKI, digital signature, smartcards, cryptography and biometrics for large scale deployments. He joined Zetes in 2002 and has been involved in the technical preparation of the company's key references and successes, such as the Belgian and Israelian eID's, the Ivorian passport as well as several biometric voters registration projects in the DRC, Togo, among several others.

Francine Tumushime, Director General, Community Development and Social Affairs Ministry of Local Government (MINALOC), Rwanda

Francine Tumushime is the Director General of Community Development and Social Affairs in Rwanda's Ministry of Local Government (MINALOC) in the Directorate of Good Governance, Community Development & Social Affairs. Appointed in 2011, Francine oversaw the development of the National Social Protection Strategy in 2013 and is now spear-heading the development of an integrated Social Protection Management Information System (iSP-MIS) to strengthen capacity for monitoring, evaluation, coordination, harmonization, and performance management in the social protection sector. Prior to her work at MINALOC, Francine worked for the Ministry of Trade and Industry on the development of the SME sector.

Yan Jinbo, Chief Director, Shenzhen Special ID Card Research & Production Center, China (PRC)

Yan Jinbo is Director of Shenzhen Special ID Card Research & Production Center, senior ID Card technology expert and guest Professor of Key Laboratory of Documents Anti-counterfeiting at the First Research Institute of the Ministry of Public Security, China. Mr. Yan has been dedicated to research and development of legal ID documents and application equipment for over 20 years. In 2001, he was appointed as a member of the national office to re-develop and issue China's 2nd generation ID card. He has led his team to undertake 14 significant technology achievements, 63 patents and over 30 national and provincial Science-Technology awards, becoming China's industry benchmark of ID card production. He has been instrumental in developing a variety of high security smart cards, online verification systems, document management systems, ABC systems and security laminates for the Chinese passport project.

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Ballroom Hall Dimensions

EXHIBITORS

Booth No: A01	Booth No: A02	Booth No: A03	Booth No: A04	Booth No: A05	Booth No: A06
Booth No: A07	Booth No: A08	Booth No: A09	Booth No: A10	Booth No: B01	Booth No: B02
Booth No: B03	Booth No: B04 & 05	Booth No: B06	Booth No: B07	Booth No: B08	Booth No: B09
Booth No: B10	Booth No: B11	Booth No: B12	Booth No: B13	Booth No: B14	Booth No: B15
Booth No: B16	Booth No: B17	Booth No: B18	Booth No: B19	Booth No: C01	Booth No: C02
Booth No: C03	Booth No: C04	Booth No: C05	Booth No: C06 & 07	Booth No: C08	Booth No: C09
Booth No: C10	Booth No: C11	Booth No: C12	Booth No: C13	Booth No: C14	Booth No: C15
Booth No: C16	Booth No: C17	Booth No: C18	Booth No: D01	Booth No: E01	Booth No: E02
Booth No: F01	Booth No: F02	Booth No: F03	Booth No: F04 & 05	Booth No: F06 & 07	Booth No: F08 & 09
Booth No: F10	Booth No: F11	Booth No: F12	Booth No: F13 & 14		

MESSAGES

Zetes PASS provides public authorities with secure solutions to correctly authenticate their population and comply with the highest international requirement for the issuance of secure ID documents and the organisation of democratic elections. We have over 10 years' experience implementing sensitive projects for governments and supra-national organisations. Reliability is what characterises our solutions, which are combined with our flexibility and ability to execute. This approach allows us to give the best guarantees for citizens to prove who they are and exercise their democratic rights.

Booth No. E01 (3m x 5m)

Formerly a division of Arjowiggins Security, the Identity & Access Control activity has now spun off into a subsidiary of Arjowiggins Security called Arjo Systems. With over 20 years of experience in the e-ID and smart cards industry delivering complex projects to the public sector, Arjo Systems provides the right solutions that can quickly be adapted to your local environment whilst complying with the most stringent international standards. We offer complete, innovative and modular solutions for e-Passports, e-ID Cards and Border Management. www.arjo-systems.com, identity@arjowiggins.com.

Booth No. E02 (3m x 5m)

Morpho (Safran) is a global leader in identity and security solutions for an increasingly digital and connected world. We employ more than 8,600 people in 55 countries and generated revenues of more than €1.5 billion in 2014. Backed by more than 40 years of experience in biometrics, our unique expertise lies in developing innovative technologies for a wide range of markets and applications for people, governments and business. We support governments to protect the identity of their citizens and their privacy. Our expertise lies in securing identities and protecting personal data during the entire ID life cycle, from registration and ID document issuance to convenient and trusted access to online services, which today is of utmost importance. Our solutions and services are deployed in more than 50 countries in identity, travel document, driver license and healthcare programs. Morpho also contributes to protecting borders, detecting threats, supporting law enforcement and providing trusted on-line transactions and services to ensure safety and safeguard privacy, for easier, everyday lives.

Booth Nos. B04 & B05 (2m x 9m)

De La Rue is a leading provider of sophisticated products and services that keep nations, their economies and their populations secure. At the forefront of identity management and security, De La Rue is a trusted partner of governments, central banks and commercial organisations around the globe. De La Rue is listed on the London Stock Exchange (LON: DLAR).

Booth No. C13 (3m x 3m)

We're experts in biometrics. We help millions of people in Africa, and other emerging markets, to identify who they are based on something unique – their own biometric data. Together with partners, we deliver large scale biometric identity programs, with particular experience in national elections and healthcare. Our mission is to give an identity to millions of people that don't have one. To date, we've helped over 110 million people across Africa to verify who they are. But, that's just the beginning. There's an estimated 2.4 billion people that have no legal identity – that's no birth certificate, no ID card, no passport, nothing. Our technology and solutions, packed with over 30 granted patents, are built for the challenge. GenKey is headquartered in the Netherlands, with offices in Africa (Ghana) and the US (Chicago). In 2011 a merger between the former GenKey and priv-ID BV, a spin-off from Philips Research, created the new GenKey. www.genkey.com

Booth No. B03 (2m x 3m)

Gemalto is the world leader in digital security with over 14,000 employees around the world and a strong presence in Africa with offices in South Africa, Gabon, Côte d'Ivoire and Morocco. In the public sector, we help governments, national printers and integrators design and roll-out secure documents and robust digital identity solutions, using the most advanced technologies and innovative materials. Our customers also rely on our extensive experience in the delivery of enrolment, issuance and verification solutions or even turn-key operated services for their passport, ID, Driving License or healthcare card initiatives. To complete our portfolio, our eGovernment infrastructure, innovative applications and mobile ID solutions help our clients design the delivery of mobile PKI and smart card-based services over the web to offer a true citizen-centric approach with enhanced security. Innovation is a key part of our offering and we are active in over 100 government programs worldwide.

Booth No. C17 (3m x 3m)

HID Global is the trusted source for innovative products, services, solutions, and know-how related to the creation, management, and use of secure identities for millions of customers around the world. The company's served markets include physical and logical access control, including strong authentication and credential management; card printing and personalization; visitor management systems; highly secure government and citizen ID; and identification RFID technologies used in animal ID and industry and logistics applications. The company's primary brands include ActivID®, EasyLobby®, FARGO®, IdenTrust®, LaserCard®, Lumidigm®, Quantum Secure, and HID®. Headquartered in Austin, Texas, HID Global has over 2,200 employees worldwide and operates international offices that support more than 100 countries. HID Global® is an ASSA ABLOY Group brand. For more information, visit http://www.hidglobal.com.

Booth No. C18 (3m x 3m)

OVD Kinegram is an innovative, global leader in the supply of advanced Optically Variable Devices (OVDs) to protect government documents and banknotes. More than 100 countries have placed their trust in the KINEGRAM® security device to protect their high security documents. OVD Kinegram is a Swiss company and a member of the German Kurz group. The company has accumulated over three decades of experience in the protection against counterfeiting and maintains close contacts with police forces, customs authorities and internationally reputed security specialists. Whatever your counterfeit-protection needs, OVD Kinegram offers a full range of services: consulting, design, engineering, in-house production, application machines and support as well as after-sales service. Find out more at: www.kinegram.com

Booth No. C01 (3m x 3m)

Consumers, citizens and employees increasingly expect anywhere-anytime experiences – whether they are making purchases, crossing borders, accessing e-Gov services or logging onto corporate networks. They also expect the ecosystems that allow this freedom and flexibility to be entirely reliable and secure. Entrust Datacard offers the trusted identity and secure transaction technologies that make these ecosystems possible. Our solutions include systems, software and supplies to issue highly secure passports, national IDs and driver's licenses – and complete trust infrastructures that assign trusted digital identities to citizens and leverage PKI and other core technologies to validate identities and provide secure, trusted access. For more information, visit https://www.entrustdatacard.com

Booth No. C10 (3m x 3m)

OT is a world leader in digital security solutions for the mobility space. OT has always been at the heart of mobility, from the first smart cards to the latest contactless payment technologies which equip millions of smartphones. Present in the Payment, Telecommunications and Identity markets, OT offers end-to-end solutions in the Smart Transactions, Mobile Financial Services, Machine-to-Machine, Digital Identity and Transport & Access Control fields. OT employs over 6 000 employees worldwide, including 600 R&D people. With more than 50 sales offices across 5 continents and 10 facilities, OT's international network serves clients in 140 countries. For more information: www.oberthur.com

Booth No. C15 (3m x 3m)

MESSAGES

For more than 30 years, GET has established a global reputation as a leading Passport & ID Technology provider, independent Identity Management software vendor and identity protection systems integrator. Using state-of-the-art security systems, innovative hardware, and software applications. GET provides more than 25 governments worldwide with highly secure and durable identity and travel documents in addition to mission-critical e-process solutions. Our unparalleled experience and resources enable us to offer complete turnkey solutions to governments around the world including hardware, software, and services required to manage the entire issuance and personalization of highly secure identity and travel documents.

Booth No. C16 (3m x 3m)

X INFOTECH, a leading systems integrator and a developer of software suite MultiPerso, delivers premium solutions for issuing, validating and managing of electronic ID documents. The company's turnkey solutions, fully independent and flexible, in combination with an unrivalled team expertise, allow eID programs to be implemented easily, adapting to any environment and supporting any equipment and chip type. The company's portfolio covers implementation of solutions for biometric enrollment, personalization, authentication, PKI, border control and further professional maintenance. With successfully implemented projects already in 40 countries, X INFOTECH has become a trusted business partner and preferred solutions and services provider for hundreds of clients. More at: www.x-infotech.com

Booth No. B01 (2m x 3m)

Based on its core competences in the fields of security, contactless communication and integrated microcontroller solutions (embedded control), Infineon offers an extensive portfolio of semiconductor-based security products for many smart card and security applications. With this expertise, Infineon is helping to increase security in an increasingly networked world, for example for mobile payment, for system security and secure electronic ID documents. For over 25 years, Infineon has developed innovative solutions in the area of hardware-based security and has been leading the market leader for more than 15 consecutive years. For more information about chip cards and security solutions at Infineon, please see: www.infineon.com/chip-card-and-security.

Booth No. B15 (2m x 3m)

WCC Smart Search & Match is the world's leading supplier of search and match solutions to governments and enterprises. WCC focuses on two areas: Identity matching (for border management, justice & public safety, and civil identity) and Employment matching (for public employment services, staffing companies and corporate HR). Its ELISE platform searches and matches data in a unique way that yields more meaningful results than any other software. ELISE can handle vast amounts of data from various sources and in almost any form. WCC has long-term experience and expertise in optimizing the effectiveness of searching and matching. For more information please visit: www.wcc-group.com

Booth No. B17 (2m x 3m)

Emperor Technology has been developing secure identity, e-Payment and smart card technologies over the past 20 years and has drawn on this experience to produce a comprehensive range of products, which makes it the leading company providing innovative systems and software solutions in China. Emperor Technology is the largest manufacturer of secure ID and card personalization systems from China, serving 2 billion people with its contact & contactless, printing and biometric, secure identification technologies. The company also shares majority of the e-Payment system market and provides its Metro AFC core modules and supportive products to more than 30 Metro Lines / ACCs in and outside China.

Booth No. B18 (2m x 3m)

NIP is active for over 30 years, particularly in Africa, specializing as a professional, skilled integrator for a vast range of government oriented IT projects, providing customized full turn-key solutions for the expert analysis, planning, development, implementation and integration of advanced government registration and national data systems, including National Civil Registration, e-ID Cards, e-Passports, Bio-Enrollment, Visas & Resident's Cards, and Border Control. NIP develops and owns the software which is the core of its solutions. The R&D center of NIP, located in Israel, ensures the use of the most advanced state-of-the-art technologies. NIP's governmental customers benefit from the most efficient, secure and accurate systems, based only on best-of-breed hardware and products. NIP also provides long term maintenance and support services for all its projects.

Booth No. D01 (3m x 6m)

BYTES SYSTEMS INTEGRATION

Identity Management Solutions (IDM), a Business Unit within Bytes Systems Integration, specialises in the provision of full Identity Lifecycle Management solutions through an array of hardware devices and software solutions, ensuring the accurate collection of identity information, the verification of the collected information, the provision of an identity credential (such as an ID card, Passport, SmartCard or biometric profile), and the devices and solutions required to read and re-verify these credentials throughout their lifecycle. It provides industry tailored solutions to both the public and private sector.

Booths No. C06 & C07 (3m x 6m)

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Department: Government Printing Works
REPUBLIC OF SOUTH AFRICA

The Government Printing Works South Africa, often referred to as GPW, specializes in the printing of states' security documents like passports, visas, birth certificates, educational certificates, smart identity documents (e-ID), examination materials, and a wide range of other high security printed media. Based in Pretoria, Gauteng, the GPW boasts a rich history spanning more than 125 years' experience in the printing industry. Today, it ranks as one of the most progressive security printing specialists in Africa, boasting a high-tech production facility with world leading technologies.

Booth No. C02 (3m x 3m)

NXP

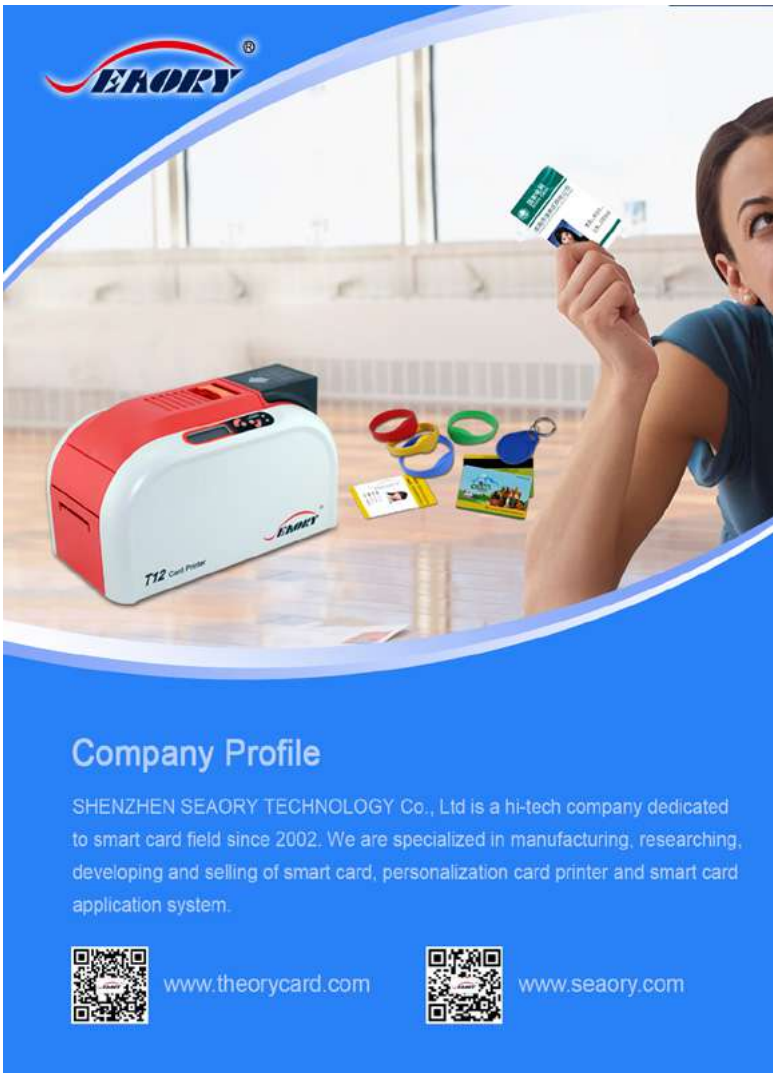
NXP Semiconductors N.V. (NASDAQ: NXPI) enables secure connections and infrastructure for a smarter world, advancing solutions that make lives easier, better and safer. As the world leader in secure connectivity solutions for embedded applications, NXP is driving innovation in the secure connected vehicle, end-to-end security & privacy and smart connected solutions markets. Built on more than 60 years of combined experience and expertise, the company has 45,000 employees in over 35 countries. Find out more at www.nxp.com.

Booth No. C03 (3m x 3m)

SHENZHEN SEAORY TECHNOLOGY CO.,LTD

Seaory is a hi-tech company dedicated to smart card field since 2002. We are specialized in manufacturing, researching, developing and selling smart cards, personalization card printers and smart card application systems. Our card products include contact IC cards, contactless IC cards, PVC cards, magnetic stripe cards, RFID labels, NFC and dual-interface CPU/ IC cards. These are made of PVC, PET, ABS, Paper etc., and meet international ISO standards. They are widely used in banks, public transport, access control, telecom, schools and commerce. In our personalization card printer line, we carry our own brand-SEAORY card printer since 2012. Seaory card printers have already been applied in many fields and are sold all across the globe.

Booth No. C04 (3m x 3m)



MESSAGES

Datasonic Technologies Sdn Bhd, a subsidiary of the public listed Datasonic Group Berhad, specializes in the state-of-the-art Border Control & Management Solution. We are the largest secure document provider in Malaysia for the National ID Smartcard (Mykad) and the ICAO-compliant polycarbonate-based ePassport. The Datasonic Border Control & Management Solution ensures national security by (I) Managing, monitoring and controlling all border control activities and travellers in and out of the country (II) Identifying, authenticating and validating ICAO-compliant travel documents; and (III) Protecting the rights of citizens and travellers, and mitigate the impact of illegal activities and immigration. We believe in enriching lives through innovative ICT solutions while continuously pursuing for excellence and distinction in our services provided to our customers.

Booth No. C05 (3m x 3m)

Aware is a leading global provider of biometrics software products, services, and solutions. Our products include all the software components necessary to rapidly and cost-effectively build a solution to collect, manage, and utilize identity data for biometric identification and verification: SDKs, controls and applets; user interface applications for biometric enrollment and forensic analysis; fingerprint, face, and iris matching SDKs; text search and identity analytics SDKs; a middleware and workflow platform; and a cluster computing platform. Our solutions fulfill critical biometric functionality for a variety of applications including Civil ID, elections, border management, law enforcement, investigation, defense, intelligence, identity proofing, fraud prevention, authentication, and payments. Aware is a publicly held company (NASDAQ: AWRE) based in Bedford, Massachusetts.

Booth No. C08 (3m x 3m)

SEMLEX, created in 1992, relies on a broad experience in development, integration, operational management and supply of secure identification and authentication systems based on biometrics.

SEMLEX provides a reliable system of identification, as well as highly protected official documents. Thanks to the integration of biometric technologies, fiduciary techniques and other safety systems, Semlex offers high quality services and products to a growing number of clients worldwide. In order to satisfy and exceed our customers' expectations in term of security and dependability, Semlex relies on state of the art technologies and procedures.

Booth No. C09 (3m x 3m)

SURYS, the new name for Hologram. Industries.

HOW DO YOU CREATE CONFIDENCE?
We begin with science: a limitless source of fundamental and incorruptible foundations. We seek new ways to transform scientific breakthroughs into innovative solutions in the service of security. We refine these solutions with our end-user understanding and bring them to life through our engineering and project management and thanks to our long-term relationships with clients and partners. With our integrated factories and engineering teams, we ensure that we can industrially produce or deploy our solutions, safely, on a large scale. At SURYS, to create greater confidence in the identity of people through their documents, the authenticity of banknotes and the traceability of genuine products, we begin with science and manage the journey to confidence for our clients' success. From science to confidence : www.surys.com

Booth No. C11 (3m x 3m)

Regula is the world leader in supplying solutions for border and immigration control, as well as secure document examination, including ePassport readers with automatic authenticity verification software; Specialized hardware and software for detailed examination of security features and processing of obtained images and Document reference systems with detailed description of passports, ID cards, other documents.

Booth No. C12 (3m x 3m)

HeiTech Padu is a public-listed technology conglomerate based in Malaysia, specializing in System Integration, Core System Development and ICT Infrastructure Solutions. Through solutions that cover the entire citizen lifecycle from birth to demise, we have helped governments around the world in realizing the vision of an agile, productive and modern public sector. As a focus business segment we provide solutions for National Security including Civil Registration, Border Management and Issuance of Passport, ID and Visa. With presence in 20 countries spread over 4 continents, supported by 1,500 ICT professionals, we achieved revenue of USD140 million in 2014.

Booth No. C14 (3m x 3m)

DERMALOG

Welcome to the world of DERMALOG. The biometric innovations leader. As a pioneer in the development of biometric products and solutions, DERMALOG has shaped the world of security for over 25 years. We have been and keep on revolutionizing biometric security products for law enforcement, civil governmental agencies like national registration, voter and driver registrations, health agencies, security agencies and develop solutions for access and data security, authorization and authentication services as well as mobile security. Governmental organizations as well as public and private businesses all over the world trust DERMALOG's expertise and state of the art biometric products.

Booth No. B02 (2m x 3m)

IRIS ID

Iris ID Systems Inc., formerly a division of LG Electronics USA known as LG IRIS, has been active in iris recognition research, development and production since 1997. Today U.S.-based Iris ID Systems is a global player in the iris recognition business. IrisAccess™ is the world's leading deployed iris recognition platform and in thousands of locations authenticating the identities of millions and millions of persons. More people look to IrisAccess for iris-based authentication that to all other iris recognition products combined. To find out more, visit www.irisid.com or www.lgiris.com

Booth No. B06 (2m x 3m)

ib INTEGRATED BIOMETRICS

Integrated Biometrics is the developer and manufacturer of FBI Certified fingerprint biometric sensors that utilize our patented LES (Light Emitting Sensor) Film. LES and its application to thin film transistors, delivers best in class performance in speed, size, weight, ease of use and durability and along with our world class algorithms enables affordable high performance mobile solutions. Our tag-line LES is MORE conveys the value we deliver to our customers; LES weight, size, maintenance, power, cleaning and MORE benefits with faster speed, true mobility, longer battery life, higher durability and MORE.

Booth No. B07 (2m x 3m)

Fulcrum biometrics

With over 13 years of industry experience, Fulcrum Biometrics is the single point of contact for anyone selecting, integrating, and deploying biometrics-enabled systems and applications. We work with commercial, civil, military and non-profit customers in more than 100 countries. Our expertise includes industry-leading biometric software development tools, large-scale rapid identification systems, government and civil enrollment programs and a wide selection of fingerprint, live scan, iris, and other biometric sensors. Fulcrum Biometrics is committed to developing new and exciting biometrics applications in areas such as: Identity Management, Case Management, Micro Finance, E-Government, Retail Point-of-Sale, Healthcare, Travel, Benefits Management, Nonprofits, and Banking. Fulcrum Biometrics is manufacturer independent, value-driven and expert in biometric solutions.

Booth No. B08 (2m x 3m)

FEITIAN
WE BUILD SECURITY

Feitian Technologies is the No.1 supplier of user authentication and transaction security in China online banking. With more than 700 employees, present over 100 countries in financial institutions, telecoms, governments and leading business enterprises Feitian product portfolio provides security through its Java Cards and COS, Mobile Smart Card readers, OTPs and PKI USB Fips certified.

Booth No. B09 (2m x 3m)

MESSAGES

Suprema is a global leader providing state-of-the art technology and products in biometrics and ID solutions. The company is a major supplier of ePassport readers and FBI-certified single, dual, 10-print finger (4+4+2), and Palmprint fingerprint scanners for immigration control, criminal and civil ID systems, as well as fingerprint modules and PC solutions. Suprema has a worldwide sales network in over 133 countries, and is also a listed company on the South Korean stock exchange (KOSDAQ).

Booth No. B10 (2m x 3m)

The Imprimerie Nationale Group accompanies actors in the public and private sectors in the creation of identity documents, the securisation of documents and in the integration of trust services and technological solutions. It is a high tech company, expert in engineering solutions for official credentials, and the protection of sensitive datas.

Booth No. B13 (2m x 3m)

Smart Packaging Solutions (SPS) is a global leader in reliable technologies: contactless and dual-interface smart cards, and high-quality inlays for e-Passports. The company is positioned in markets for electronic ID and banking cards. Its market is based on an unrivalled proprietary patented technology, providing solutions for governments, national printing houses and smart card manufacturers.

Booth No. B13 (2m x 3m)

Smart, mobile technology is changing the way we the world works. When combined with the power of biometrics, it can truly change the world. At Credence ID, we focus on making simple, elegant Android products packed with biometric and card reading capabilities that can empower agencies and businesses of all sizes to identify or enroll target populations with an easy to use and affordable platform.

Booth No. B14 (2m x 3m)

Thales is a global technology leader for the Defence & Security and the Aerospace & Transport markets. Thales has a unique capability to design, develop and deploy equipment, systems and services that meet the most complex security requirements. In Identity management, Thales offers a complete identity solution encompassing the collection of biographic and biometric data, secure database management and production, personalization and issuing of secure identity documents. Key features of the Thales solution include a high level of reliability and security applied to the data collected, thanks to a multimodal biometric identification system and flexible data processing.

Booth No. B11 (2m x 3m)

Since its founding in 1996, secunet has been one of the leading German IT-Security providers. In close cooperation with German Federal Authorities, such as the Federal Office for Information Security (BSI), secunet has developed solutions in the fields of biometrics and eIDs which are now acknowledged as international standards (GRT, biomiddle). secunet supports OEMs, system integrators and public authorities worldwide in implementing flexible enrolment-solutions, verification-scenarios and border control applications. The holistic consulting expertise and solutions that are consistently standard-compliant result in highly innovative eID-scenarios which meet current and future requirements. Customers such as the Federal German Police and the Austrian Ministry of the Interior trust in this quality "made by secunet".

Booth No. B12 (2m x 3m)

HSB identification (HSB) helps people to create their own unique identity. We deliver electronic identification solutions to large populations. With our products and services, we prevent identity fraud. And with our help people around the world will be able to identify themselves, cross borders, vote and use health care. The solutions are created with our identity management platform using technologies like fingerprints, face, iris recognition and (smart) cards. Products include hardware and software for biometric registration kits, (mobile) verification stations, biometric matching and de-duplication (ABIS) services. For over 20 years the company has proven to meet customer requirements for deployment of and servicing large scale contracts. In all these projects we have registered, identified and verified millions of people in countries all over the world.

Booth No. B16 (2m x 3m)

INNOVATRICS is an independent, trusted partner for biometric technologies for identity management. With our innovative and award-winning algorithm used in Automated Fingerprint Identification Systems (AFIS), we empower all types of organizations around the world to integrate or build powerful and flexible biometric large-scale identification solutions quickly and easily. With over 10 years in the business and a deeply-experienced, agile team of biometric and software professionals, we focus on our customers first, ensuring the highest level of performance, reliability, and quality of every solution that incorporates INNOVATRICS biometric software.

Booth No. B19 (2m x 3m)

Compuscan operates across emerging markets in the formal and informal financial sectors to stimulate economic activity and to ensure that banks are able to perform more efficient, convenient credit granting. We create the eco-system for the banks to confidentially store and share a person's credit information; and subsequently build a credit history that may not have previously existed. We are passionate about consumer and business credit data and understand the immense importance of quality data to promote the integrity of the credit industry and aid the growth of the economy as a whole. At Compuscan, we continuously strive to develop innovative applications that reflect and deliver world-class credit solutions for our clients.

Booth No. A01 (2m x 2m)

Aratek helps organizations solve their identity management challenges through biometrics. We empower governments, law enforcement agencies, banks, retailers and other enterprises to mitigate risk, drive productivity and improve service levels. Our solutions are based on consultative expertise, refined practices and the application of advanced biometrics technologies. Aratek understands the forces of change in the markets we serve and we are devoted to develop solutions that anticipate customer requirements with products and service of highest quality through continuous research & development and dedicated technical support.

Booth No. A02 (2m x 2m)

cryptovision is an industry-leading vendor that delivers proven solutions which help governments effectively deliver electronic ID projects. By integrating card applications and leveraging PKI, governments benefit from the practical uses of eIDs and infrastructures. With cryptovision's modular card application suite advanced eID functions and security mechanisms can easily be incorporated to software with their innovative eID middleware SDK for realizing custom applications. By using the latest cryptographic standards and advanced techniques, the experts at cryptovision can help system integrators and government agencies deploy projects on time and within budget. Dozens of governments worldwide e.g. Nigeria rely on cryptovision technology and expertise for their projects.

Booth No. A03 (2m x 2m)

Hungarian Banknote Printing Company (Pénzjegynyomda Zrt.) was established in 1926. With the use of state-of-the-art technology, the company specializes in banknote production as well as biometric passports, ID cards, certificates, visa, postage and tax stamps, vouchers, plastic cards and many other security products. The company has its own paper mill manufacturing security paper and offers complex system solutions and technology transfers to all customers. For more information please visit www.penzjegynyomda.hu, sales@hbpc.hu.

Booth No. A04 (2m x 2m)

MESSAGES

International Security Technology Ltd. (IST) is a state-of-the-art identification security solutions provider as well as equipment provider specialized in personal information enrollment, eID personalization & production, automated identification document inventory & management system, and biometric eGates for automated border control solutions. With over 10 years' extensive industry experience, aiming at pursuing "Unique Solution For Better Identification", IST provides systematic and personalized security solutions, system integrations, consultations, project management as well as training services according to our customers' requirements and standards.

Booth No. A05 (2m x 2m)

SecureID Limited and its subsidiary, SecureCard Manufacturing are Africa's leading Smart Card Manufacturing, Personalization and digital Solutions company. We offer innovative and competitive card services that meet the exact quality and high security international specifications of our clients. We are currently the only polycarbonate SmartCard manufacturing plant in Africa. SecureID Limited have taken the bold step of investing in the highest security printing machines to produce unique products and services across all three sectors which include Payment Cards for the Banking Sector; SIM Cards for the Telecoms Sector and High Security ID documents such as National ID, Health Cards, Voters Cards, Driver's License and Tax Cards for both Public and Special Projects. The organisation has the capacity to manufacture up to 200 million Smart Cards per year including Contact, Contactless and Dual-interface cards. SecureID Limited is certified by Visa International, MasterCard Incorporated and Verve for Smart Card Manufacture and Personalization, making us a World Class company in the design and manufacture of smart cards combined with high security printing.

Booth No. A06 (2m x 2m)

IriTech develops state-of-the-art iris recognition technology and translates it into high-quality, cost-effective solutions. Recent developments include iris capturing under direct sunlight, face and dual-eye auto capturing with a single CMOS sensor, and FiDELYS iris smartwatch. IriShield series, a combination of our NIST-proven superior algorithms and compact, cost-effective hardware, are the only STQC certified authentication devices in UIDAI project – a case in point for our strong track record. Find out more at: www.iritech.com.

Booth No. A07 (2m x 2m)

EKYC Platform is a product developed by AIM Group with the ability to electronically register customers to any KYC platform or databases instantly. With a frontend built on Android, robust backend integrations, reporting and analytics, EKYC Platform allows for great scale and reach in any organization's acquisition activities. The solution's history includes its current use by 3 of the biggest operators in Tanzania to instantly register and activate customers on their GSM networks and mobile money wallet. AIM Group is an Innovation and Digital Agency focused on creating enterprise and business solutions that have been shaping consumer experiences since 2011.

Booth No. A08 (2m x 2m)

Crossmatch helps organizations solve their identity management challenges through biometrics. Our enrollment and authentication solutions are trusted to create, validate and manage identities for a wide range of government, law enforcement, financial institution, retail and commercial applications. Our solutions are designed using proven biometric technologies, flexible enrollment and strong multi-factor authentication software, and deep industry expertise. We offer an experienced professional services capability to assess, design, implement and optimize our identity management solutions for a customer's individual challenges. Our products and solutions are utilized by over 200 million people in more than 80 countries.

Booth No. A09 (2m x 2m)

Green Bit has been in the market space since 1997. Headquartered in Turin (Italy), the company develops and markets a complete product line of FBI certified fingerprint Livescans ranging from single/dual fingerprints, rolled, 10-prints, and up to palm Livescans for Law Enforcement and ID Management markets. A slim organization, combined with matchless flexibility and speed to develop high quality, reliable products and custom solutions for biometric enrollment applications. We provide a competitive edge to our customers, proven by our long track record of successful installations worldwide. Green Bit operates B2B worldwide and has subsidiaries in the US, China and Kazakhstan.

Booth No. A10 (2m x 2m)

Founded in 1992, Magicard is a pioneer of ID card printing technologies with a full range of desktop devices to meet any secure ID card printing requirement. Manufacturing is centered in Weymouth, UK with additional sales and service offices in the US, Dubai and China. Magicard printers are renowned for their built-in card security features, including the patented HoloKote® secure watermark. Additional information is available at www.magicard.com

Booth No. F01 (2m x 2m)

ABnote, with facilities in North America, Europe, China, Africa, and Australasia, is a premier and trusted provider of secure products and solutions. We provide solutions to global customers including financial, retail, government, and many other commercial markets. ABnote's primary products include financial cards (dual-interface, EMV, magnetic stripe), identification and credential cards (drivers' licenses, national ID cards, student IDs), transit cards, hotel, facility and theme park access cards and membership programs, retail plastic cards (gift, loyalty, RFID), barcodes and labels and secure documents (vital records, certificates, passports, and more); along with complimentary secure services, including instant card issuance, NFC mobile payments, TSM, personalization, secure warehousing, distribution and fulfilment. Find out more at: www.abnote.com

Booth No. F02 (2m x 2m)

CardLogix builds cost-effective identity solutions for African governments and enterprises. Our idblox® solutions encompass multiple enrollment options including multimodal biometrics, deduplication, secure issuance and management software for a smart card through its lifecycle. The company also designs credential validation software for all types of IDs. With deep experience across Africa, CardLogix is the ideal partner for African nations, as they improve and expand mobile-enabled citizen programs in Identity, healthcare, banking, voting and benefit programs. CardLogix technology ensures that transactions needing identity are frictionless, authenticated, bound to a specific individual and 100% accurate. For more information, go to www.cardlogix.com.

Booth No. F03 (2m x 2m)

M2M Group delivers end-to-end secure e-transactions processing solutions. Based on MX product lines, M2M Group's solutions are used across the world for a large range of applications addressing multi-channel payment, identity management, e-gov solutions, transport e-ticketing, and multipurpose card programs. M2M Group leverages an intense industry expertise working with banks, retailers, governments, transport companies, universities and enterprises to drive applied innovation and high performance – backed by worldwide experiences and full-spectrum delivery across software development, implementation, deployment and operations. M2M Group is listed at Casablanca Stock Exchange. www.m2mgroup.com.

Booth Nos. F04 & F05 (2m x 4m)

We drive Identity 4.0™ for an increasingly connected world where cyber and physical are fused for greater convenience, efficiency and unparalleled trust. Our next generation identification solutions unify disparate systems, facilitate transactions across multiple channels and process all biometric modalities, providing the foundation for a flexible and digital future. We are passionate about technology and the change it facilitates. We make a difference, create solutions and innovate on every level. As Africa's leading next generation identification solutions provider we have together with our channel partners, successfully deployed a multitude of biometric solutions; transforming everyday transactions into trusted transactions.

Booth F06 & F07 (2m x 4m)

Madras Security Printers is a high security printer and Smart Card manufacturer equipped with the advanced facilities of global standards together with necessary certifications from global authorities. We specialize in providing turnkey end-to-end solutions for EMV Banking cards, National ID, Voters ID, Smart Card Driving License, e-Health / Smart Health card.

Booth Nos. F8 & F9 (2m x 4m)

MESSAGES

BioRugged supplies a range of rugged enterprise terminals with biometric / fingerprints, thermal printing and POS capabilities. These devices are both durable and affordable including options for rural and urban deployment. BioRugged has service locations in South Africa, Nigeria, Ethiopia, China, India and Dubai. Through our partners BioRugged can supply full Hardware/Software turnkey solutions for KYC, Voter Registration, Mobile money, Mobile Sim Card Distribution and Customer on boarding. Contact us for more information on our wide range or for customized hardware solutions.

Booth No. F10 (2m x 2m)

CETIS is one of the leading European companies in security printing products (such as biometric passports, ID documents, visas, vehicle permits and car licences, payment and loyalty cards, ballot papers and many others) and comprehensive integrated solutions (such as data enrolment and management, AFIS, personalisation solutions, PKI and others). With over 200 years of experience in printing and in-house know-how CETIS is a reliable strategic partner to companies and governments on 4 continents, promising high quality, flexibility, customised solutions, short lead times and a high level of support. www.cetis.si/en

Booth No. F11 (2m x 2m)

ANY Security Printing Company PLC is the leading security printing company in Hungary and in the CEE region. Hungarian biometric passports and 50 types of documents are personalised by ANY and it has the technological and professional background for production and personalisation of e-passports and visas. UV security inks developed by ANY's specialists for ink-jet and laser-printer toners can effectively protect the personalised data of ID documents. The new, Hungarian eID cards that were launched on 1st January, 2016 have been produced by ANY PLC. Billions of Hungarian tax stamps have been produced by ANY for more than 20 years.

Booth No. F12 (2m x 2m)

Jura has various patented security features to protect travel documets: IP and D-IPI hide personal information into the printed/ engraved photo, readable by a dedicated lens or by software. LetterScreen++ ghost image contains lines of personalized microtext, printed along waves. Each image is created along a unique wave-structure, using a special algorithm based on personal data. Optimal for visual comparison of text in the LetterScreen++ and the readable personal data. Ideal for automatic verification with passport reader. The reader regenerates the waves structure and compares it with the waves read by the optics. The software warns if the two are different.

Booth No. F12 (2m x 2m)

Veridos GmbH creates secure and pioneering identification and identity solutions. Founded in January 2015, the joint venture between Giesecke & Devrient GmbH, Munich, and Bundesdruckerei GmbH, Berlin, offers its customers a unique product portfolio from a single source. For instance, it covers the entire value chain for passports, from paper right through to the eGates. The German company is a reliable partner valued by governments and public authorities – so far, it can count over 70 countries among its customers. In addition to its headquarters in Berlin and the operating facility in Munich, Veridos is represented around the world. www.veridos.com.

Booth No. F13 & 14 (2m x 4m)

VFS Global, a wholly-owned subsidiary of the Kuoni Group, is the world's leading outsourcing and technology services specialist for governments and diplomatic missions worldwide. The company manages non-judgmental and administrative tasks related to applications for visas, passports and a wide range of other official documents. Its Identity Management and Citizen Services cover biometric visas, e-passports, driving licenses, National ID cards, electoral registration, foreign national resident permits and border management solutions. With over 1900 Application Centres, VFS Global serves 48 client governments, operating in 123 countries. The company has processed over 110 million applications since 2001 and over 31 million biometric enrolments since 2007.

Booths F13 & F14 (2m x 4m)

SUPPORTERS

Official Journalist in 2016

BIOMETRIC UPDATE.COM

Biometric Update.com is a leading news property that publishes breaking news, analysis, and research about the global biometrics market. We place special emphasis on national security, privacy and regulatory issues, along with examining the latest industrial, commercial and residential applications for biometrics technology. Manufacturers, service providers, governments, law enforcement agencies and large corporate buyers benefit from our competitive industry intelligence on market size, multiple industry segments, venture capital and other business opportunities, along with in-depth profiles on the best emerging products and solutions. BiometricUpdate.com is published by the Biometrics Research Group, a market research supplier and consultancy to the biometric industry.

ID4Africa is pleased to be supported by **Biometric Update** as they take the lead in bringing up-to-the-minute news and highlights throughout the 2nd Annual Government Forum on Electronic Identity in Africa.

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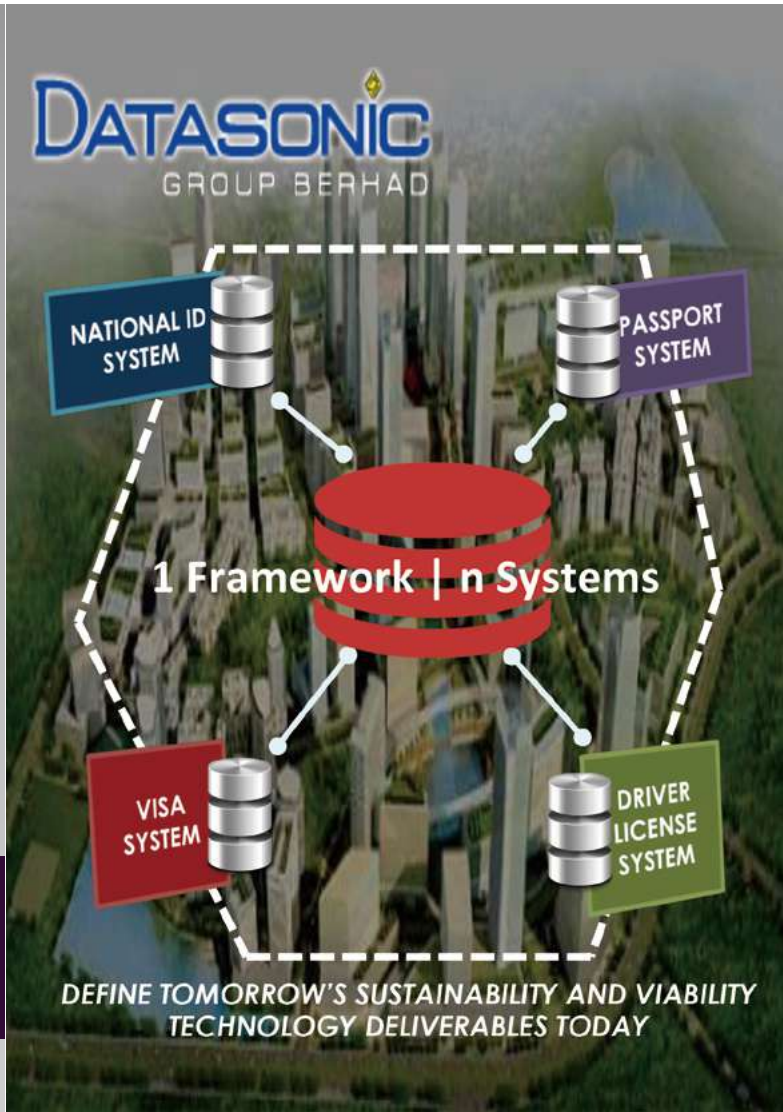

MIRAGE™ by Arjo Systems

The only window-based engravable ghost portrait with a watermark effect

Easy to check with the naked eye, Mirage™ is an ideal 1st level security feature for high-end polycarbonate identity documents. Non-ambiguous, the new feature provides document authenticity and verification of a holder's identity all in one go.

Even the most sophisticated electronic documents still need to be easily authenticated by the public and private sectors without reading the chip information. The physical security features of identity documents are still the first line of attack for attempts at fraud.

From the first watermarks to the most sophisticated holograms of the 21st century, nations have always looked for strong features. But very often high fraud resistance means only very few highly trained persons can actually detect fake documents in real day-to-day conditions. This cannot happen with Mirage™.

So, why is Mirage™ a revolutionary feature and how does it work?

Being the only see-through window-based engravable ghost portrait with a watermark effect, it provides very unique visual effects associated to intricate security mechanisms.

At first sight, the secondary mono-colour portrait matches the document's main portrait. In addition, two metallic colours are clearly visible. Hold the document against light and the ghost portrait disappears, leaving the customized watermark visible.

From the backside, the secondary portrait is completely invisible in any lighting conditions. The one metallic colour and the watermark are checkable.

Negative personalization ensures nothing can be added to the ghost portrait. The Mirage™ contour with its customizable shape protects the see-through window against substitution. Mirage™ raises the bar against document tampering.

Mirage™ is suitable for polycarbonate identity documents such as national ID cards, driving licenses and resident permits.

For more information, please contact us on
www.arjo-systems.com

About Arjo Systems:

With over 20 years of experience in the e-ID and smart cards industry, delivering complex projects to the public sector, Arjo Systems provides the right solutions that quickly adapt to your local environment whilst complying with the most stringent international standards.

NiP Global Ltd.

IT Solutions Tailor-Made For Your Country

Company Profile At-a-Glance

NIP Global Ltd. is a **Software House & Turnkey Integrator** of large Information Technology projects in international markets, with a successful track-record in providing tailor-made solutions for its customers.
NIP focuses on the governmental sector and is particularly skilled in implementing a wide range of highly advanced, state-of-the-art **Civil Registration Solutions & Secured Governmental Documents.**

Amongst other projects, ***NIP*** provides customized, full turnkey solutions for the analysis, planning, development, implementation and integration of the following:

- **Civil Population Database**
  Establishment & Management of Secured National Online Registry
- **National Population Registration**
  Digital, Biometric & Comprehensive Data Capture
- **Birth & Death Registry**
  Integral Part of Population Registration
- **Marriage & Divorce Registry**
  Secured, Accurate & Efficient Registration
- **National ID Cards**
  e-ID & Regular, with advanced security features, including bio-data
- **Production & Issuance of Passports**
  e-Passports & Regular MRP, including Production Facility
- **Immigration & Residence Cards**
  Citizenship Services & Documentation
- **Travel Visas**
  Tourist, Business, Student, Work Permits, etc.
- **Border Control**
  Manned & Automated e-Gates
- **Licensing & Registration Solutions**
  Driver Licenses & Vehicle Registration, Weapons Permits, etc.
- **Election Management & Voter Registration**
  Comprehensive, "One Person-One Vote" System
- **Civil & Criminal AFIS / ABIS**
  Automatic Fingerprint Identification System
- **Bio-Enrollment**
  Registration & Issuance via Designated Centers & Mobile Units
- **Ancillary Systems**
  Help Desk, Call Center, Network Operations Center (NOC), Business Intelligence (BI), etc.

Following successful implementation of its systems, ***NIP*** continues to provide the essential maintenance and support for the smooth operation of its projects. ***NIP***'s expertise includes combining existing databases and/or creating new ones in order to form an efficient online, centralized civil database from which various governmental authorities can manage their different applications. ***NIP*** is currently actively involved in IT projects in various countries, comprising the wide range of applications for a comprehensive modular Civil Registry System.

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ArjoSystems

CHANGE YOUR PERSPECTIVE

Change your perspective

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