



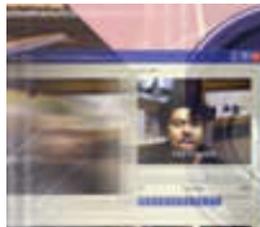
# SYMPOSIUM

*with Exhibition*

## ICAO-Standard MRTDs and Biometric Enhancement

29 - 30 September 2005  
ICAO Headquarters  
Montreal, Canada

### Biographies





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**Biographies**

**Dr. Assad Kotaite**  
President of ICAO Council

Dr. Assad Kotaite is President of the Council of the International Civil Aviation Organization (ICAO), the United Nations specialized agency mandated to promote the safe and orderly development of international civil aviation throughout the world. Associated with the Organization since 1953 and President of the ICAO Council for the past 30 years, Dr. Kotaite has dedicated his life to promoting the safety, security and efficiency of air transport, through global cooperation and consensus building among ICAO's 189 member States. His immense contribution to the overall integrity of the global air transport system has earned him universal respect and admiration; he has been decorated by several States, received honorary university degrees and is widely solicited as guest lecturer.

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**Mary McMunn**  
Acting Chief, Aviation Security and Facilitation Branch

Ms. McMunn joined ICAO in 1995 after a 19-year career in the airline industry. As Chief of the Facilitation Section she is responsible for development and promotion of international standards to facilitate clearance of aircraft, persons and goods through border controls in airports (Annex 9 to the Chicago Convention), and specifications for machine readable travel documents (Doc 9303 series). To do this she manages the work of the Facilitation (FAL) Division, the FAL Panel, and the Technical Advisory Group on Machine Readable Travel Documents, and conducts workshops and seminars for member States in the various ICAO Regions.

Ms. McMunn holds a B.A. degree from Purdue University and a Master's degree from Thunderbird, the Garvin School of International Management.

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**Joel Shaw**  
Convenor WG3, ISO/IEC JTC1/SC17

Mr. Shaw is the Convenor of the International Standards Organization (ISO) Working Group responsible for development and maintenance of Standards for Machine Readable Travel Documents (MRTDs). He also coordinates and provides ISO's liaison with ICAO.

Mr. Shaw is an internationally recognized expert in the fields of Official Travel Documents; related technology systems and devices; and Border Clearance Systems. He is an experienced practitioner, having created the world's first travel document readers and designed and installed modern border clearance and travel document issuance systems around the world.

Mr. Shaw is Chief Strategy Officer for CryptoMetrics, formerly BioDentity Systems Corporation, where he oversaw the creation of a comprehensive suite of turnkey face biometric solutions, peripheral devices and software designed to ensure that Contracting States of ICAO achieve full compliance with the ICAO Passport Standard.

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**Malcolm Cuthbertson**  
**De La Rue Identity Systems, ISO**

Mr. Cuthbertson joined De La Rue, one of the worlds leading Security printers in 1981 after a career as an officer in the British Army. Initially he was a banknote salesman, but transferred to travel documents with global responsibility soon after.

Malcolm's current responsibilities exploit the expertise and knowledge of the travel and identity document market, which he has accumulated over the last 24 years. He now advises customers around the world on passport and identity document personalisation and issuing systems, their technologies and relative merits; as well as advising on the travel document itself and the security features which could be incorporated to enhance the document.

Malcolm also sits on ICAO's Education and Promotion Working Group and has worked with a number of other international organisations such as the International Organisation for Migration (IOM) to help in the promotion of travel document standards around the world.

He has given presentations at all of the major Interpol Travel Document Conferences as well as to other security conferences and seminars.

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**Gary K. McDonald**  
**Director General, Policy and Planning, Passport Canada**

Gary McDonald joined the Canadian Foreign Service in 1977 and has served overseas at the Canadian Embassies in Belgrade, Yugoslavia and Tel Aviv, Israel as well as the Canadian High Commissions in New Delhi, India and Nairobi, Kenya. He joined Passport Canada in 1993 and is currently the Director General, Policy and Planning. Since 1996, he has also chaired the International Civil Aviation Organization's New Technologies Working Group and as such, is tasked with the development of international specifications and standards for travel documents.

He has a BA in Political Science from the University of Western Ontario, a BA in Economics from the University of Waterloo and an Master's degree in Public Administration from Carleton University.

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**Uwe Seidel**  
**Forensic Science Institute of the Bundeskriminalamt, Wiesbaden, Germany**

Uwe Seidel studied physics at the Friedrich Schiller University of Jena, Germany. Until 1996 he was a researcher at the Institute of Optics and Quantum Electronics of Jena University and at York University, Toronto, Canada. In 1996, he received his PhD for his thesis on photothermal characterisation of subsurface structures. In 1996, he joined AGFA Gevaert AG and was involved in physical and photographic quality assurance as well as R&D projects of film and paper materials.

Since 2000, Dr. Seidel is Senior Scientist at the Forensic Science Institute, Identity Documents, of the Bundeskriminalamt, Wiesbaden, Germany. He specialises in the further development of German Identity Documents, especially the introduction of optically variable devices as well as RF chips for machine assisted identity confirmation.

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**Tom Kinneging**  
**Senior Project Manager with Sdu-Identification, ISO**

Tom Kinneging is senior project manager with Sdu-Identification. He has more than 25 years of experience in the field of Identity Documents and related systems. In the past years he was the project manager for the development of the ICT infrastructure for application, personalization and issuance of the Dutch passport and the development of the Irish personalization system. In 2004/2005 he was responsible for the development of chip enabled e-passports and the infrastructure, used in the biometrics trial in the Netherlands. At this moment he is leading Sdu's team, working on introduction of biometrics in the Dutch passport. In ISO/IEC JTC1 SC17 Working Group 3 he is the leader of Task Force 5, working on development of standards for securing information, electronically stored in Travel Documents. For ICAO's New Technologies Working Group he is the editor of the Technical Report on PKI for Machine Readable Travel Documents.

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**David Philp,**  
**Manager Passports, Identity Services**  
**Department of Internal Affairs, New Zealand**

David Philp is Manager Passports, Identity Services, Department of Internal Affairs. He has been in the role since 1997. He is responsible for the delivery of New Zealand Passport services both nationally and internationally. During his tenure David has been responsible for a significant upgrade of the New Zealand passport personalisation process, the introduction of online checking of passport entitlement through the Citizenship and Birth, Death and Marriages registries. David has been the driving force behind the establishment and ongoing facial recognition technology-testing programme with the intension of developing this programme into a cornerstone of passport application processing. More recently David has been providing oversight of New Zealand's development of a chip-based e-Passport.

Since 1997/98 David has been a member of the International Civil Aviation Organization (ICAO) New Technologies Working Group. Additionally, in this role he coordinated the 2001/02 ICAO International Request for Information on travel document technologies.

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**Bernard Herdan**  
**Chief Executive, UK Passport Service**

Bernard Herdan was appointed Chief Executive of the UK Passport Agency in September 1999. He has also been responsible in this position for the establishment and initial operations of the Criminal Records Bureau until it became a separate Agency in September 2003.

Bernard was previously Chief Executive of the Driving Standards Agency, Commercial Director of the Met Office, Managing Director of Defence Technology Enterprises Ltd, Managing Consultant at BIS-Mackintosh and Broadcast Satellites Programme Manager at the European Space Agency.

Bernard has an MA from Cambridge, a Diploma in Management Studies, is a Chartered Engineer and member of the Institute of Electrical Engineers and has published numerous articles in professional journals.

Bernard has also held Non-Executive Director positions on several Company Boards in the UK and USA and is currently a member of the Board of the Bedford NHS Trust.

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**Charlie Stevens**  
**Head of National Document Fraud Unit**  
**UK Immigration Service**

Charlie Stevens is the head of the United Kingdom Immigration Service, National Document Fraud Unit (NDFU). This is a unit within the Immigration and Nationality Directorate Intelligence Service (INDIS) and is the centre of expertise within the Immigration Service for examination of suspect travel documents and gathering and disseminating intelligence information about travel document fraud. The NDFU is a world leader in travel document fraud detection and has a high international reputation among police and border control agencies.

Charlie has been a member of the Immigration Service for 36 years and has worked in support of the immigration control at Gatwick Airport, Heathrow Airport Terminal 3. He has spent extensive periods working on secondment to the Diplomatic Service in India and Pakistan in entry clearance/visa work.

Charlie has been working at the National Document Fraud Unit for the past twelve years, taking over responsibility for the unit in 2000. His responsibilities include representing the UK on travel document security and fraud matters in the European Union and at the International Civil Aviation Organization (ICAO).

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**Terry Hartmann**  
**Director and Global Solution Lead, Secure Identification & Biometrics, Unisys Corporation, ISO**

Terry Hartmann is Director and Global Solution Lead, Secure Identification and Biometrics – for Unisys Corporation. In his role at Unisys he works with government agencies around the world, providing them with insights into the benefits of effective passports, border and id card initiatives and solutions. Terry played a key role in establishing the Australian public sector as a world leader in biometrics technologies, and is an internationally recognised authority on all aspects of identification technology.

Terry was Chairman of the ICAO ePassports Task Force for its duration, and in that context nominated the term “ePassport” to describe more simply “contactless integrated circuit biometric passports”. Additionally, Terry was the author of the Biometrics Deployment Technical Report endorsed by ICAO in May 2003, and is the Technical Editor for the ISO SC37 Facial Image Interoperability Standard.

Terry continues to play a major role in the development of MRTD and biometrics standards, through participation in ISO SC17/WG3 and ICAO NTWG, and as a Director of the Biometrics Institute.

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**Ivanka Spadina**  
**STD Project Manager**  
**ICPO INTERPOL**

Ivanka Spadina has a B.Sc, in mechanical engineering and is a forensic expert for documents.

From 1992 – 2000 Ms. Spadina worked in the Forensic Institute, Ministry of the Interior, Zagreb, Croatia. From June 2000 she was appointed as Forensic Analyst in Counterfeits and Security Documents Branch, Operational Support Directorate, Interpol Secretariat General. From the year 2000, Ms. Spadina has been the permanent representative of the IPSG in ICAO New Technologies Working Group.

For more than two years she has been involved in intensive work on the development and creation of the operational architecture for the Stolen Travel Documents System.

From the beginning of 2005 Ms. Spadina was officially appointed as the Project Manager for the Stolen Travel Documents Project that aims to establish Interpol's STD System as the worldwide interoperable repository for information on lost/stolen travel documents.

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**David Clark P.Eng**  
**Consultant with ICAO**

Mr. Clark is a professional engineer and senior consultant with many years experience in high technology, specializing in large scale passport systems and border crossing initiatives. These have included projects for Canada, the USA, and other countries. He is Principal Consultant, Caicos Technologies Inc.

Mr. Clark has been instrumental for many years in the application of new technologies for modern e-passports and other MRTDs. He carried out the initial research and design of the ICAO PKI infrastructure for digital signing and electronic authentication of e-passport data, coordinated with parallel projects for biometrics and RFID implementations. Part of this work has been the project management of the ICAO Public Key Directory (PKD) project, an integral part of the ICAO PKI infrastructure. He is currently working with ICAO to implement the PKD.

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**Sjef Broekhaar**  
**Research and Development Manager**  
**Personal Records and Travel Documents Agency, Kingdom of the Netherlands**

As senior R & D manager, Sjef Broekhaar is technically responsible for the travel documents of the Netherlands. Currently all efforts are directed to the development of a biometric passport and the integration of an enrolment system in the application and issuing process. He started his career as an Immigration officer at Schiphol Airport. For eight years he was in charge of the Forgery Unit at Schiphol Airport. After changing jobs to the National Criminal Intelligence Service he was co-developer of the Edison system. This system contains images of travel documents from all nations and their security features. In 1998 he was appointed Head of the Documents & Payment Crime Unit of the National Police. The experience he gained in the law and enforcement area is now used to develop a new generation of travel documents with chip technology and biometrics.

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**John Mercer\***  
**Senior Associate, Kelly-Anderson & Associates**  
**Former Projects Officer, US Passport Office**

John Mercer is a Senior Associate with Kelly-Anderson & Associates. He was formerly the Principal Technical Officer for Security Matters for the US Passport and Visa Offices, where he worked to optimize the document security features and reduce fraud. He chaired the Document Evaluation Team for the digital photo US passport, and the design team for both the present US Lincoln Visa, and the new American Icon US E-Passport. For seven years, he chaired the International Civil Aviation Organization (ICAO) Document Content and Format Working Group (DCFWG) that writes and updates

specifications for passports, visas and travel cards. He has written and presented many technical papers in the field of materials testing, travel document design and security features.

John holds an M.S. in Chemistry from Case-Western University. Prior to joining the State Department in 1994, he worked for 19 years in the US Treasury Bureau of Engraving and Printing in the areas of paper and ink research and production problem solving for currency and postage stamps.

*\*Moderator*

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**Brig (Retd) Saleem Ahmed Moeen**  
**Chairman, National Database and Registration Authority (Nadra) Pakistan**

Brig (Retd) Saleem Ahmed Moeen joined the Army after obtaining a degree in Electrical Engineering (Communications) from the University of Engineering & Technology Lahore. During his thirty years service with the Army he had the unique fortune to advance his knowledge by going through specialized technical and management post graduate training courses in Telecommunications, Automobiles, Armaments, Radar, Control Engineering and Rocket technology. He also holds a Masters degree in Strategic Studies. He started his career in the private sector as the Executive Director of a private IT management company. He has been the chairman of NADRA since August 2001. NADRA is the largest public sector IT Organisation in the country employing more than 11,300 workers. He designed and implemented the Inter Active Data Acquisition Centres which have been a tremendous success and were instrumental in registering more than 74 million citizens in less than four years. He is also the designer of the new Multi Biometric e-Passport which was launched in October 2004 and more than 800,000 new passports have already been issued.

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**Ambassador Colin Murdoch**  
**Permanent Secretary**  
**Ministry of Foreign Affairs, Antigua and Barbuda**

Colin Murdoch was born in St. John's Antigua and received his education from the University of the West Indies (UWI) and the Fletcher School of Law and Diplomacy at Tufts University in Boston, where he graduated first in his class in the master's programme.

Colin joined the Antigua and Barbuda Ministry of Foreign Affairs as a foreign service officer and has spent his professional career so far in the Ministry, rising to his current position of permanent secretary. A former ambassador to Cuba, Colin is currently ambassador at large with responsibility for his country's foreign relations. He is the Prime Minister's chief foreign policy advisor, responsible for the formulation and execution of Antigua and Barbuda's foreign policy.

Knowledgeable in Caribbean regional affairs, Colin Murdoch brings considerable experience to his position. His ministry has portfolio responsibility for issuing passports.

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**Staffan Tilling**  
**Chief Superintendent, Swedish Police**

Staffan Tilling has a Master of Law from the University of Uppsala, Sweden. He has worked for the Swedish Police since 1980. Mr. Tilling's current position is Deputy head of Strategic Planning and Development at The Police Authority in Uppsala County.

Mr. Tilling is a consultant to the Swedish National Police Board in passport matters, a Deputy project manager for the Swedish passport introduced in 1998, i.e. the EU-passport. He is a Member of the project on New Swedish Travel Documents, i.e. the e-passport and the national ID-card. He has been a Swedish member of ICAO TAG/MRTD since 1997 and a Member of its Education and Promotion Working Group (EPWG).

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**Bradford Wing**  
**Biometrics Systems and Standards Coordinator**  
**U.S. Department of Homeland Security (DHS)**

Brad Wing is the Biometrics Systems and Standards Coordinator for the U.S. Visit Program of the U.S. Department of Homeland Security (DHS). He also serves as chair of the DHS Biometrics Coordination Group. He is an active member of the International Civil Aviation Organization's New Technologies Working Group (dealing with biometrics in travel documents), M1 (the U.S. Biometrics Standards organization), and the International Standards Organization's SC37 (Biometrics Standards). He has worked in the field of biometrics for many years, with particular emphasis on applying biometrics to border crossing applications.

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**Mohamed Elamiri**  
**Director, Air Transport Bureau, ICAO**

Mr. Elamiri holds a master's degree in mathematical sciences from the University of Grenoble, a civil aviation engineer's diploma from the École Nationale de l'Aviation Civile (ENAC) in Toulouse, and an advanced certificate in business management and administration from ISCAE in Casablanca.

Mr. Elamiri entered the Moroccan Directorate of Civil Aviation in 1978, where he first served as Head of the Air Transport Service, and from 1982 to 1992, as Head of the Air Transport Division.

He has represented his country in several negotiations of bilateral air agreements, and at assemblies and conferences of ICAO, the Economic Commission for Africa (ECA) and the African Civil Aviation Commission (AFCAC). He has also represented Morocco in aviation-related work of the General Agreement on Tariffs and Trade (GATT) and the Group of Negotiations on Services (GNS).

From 1992 to 1998, Mr. Elamiri was the Representative of Morocco on the Council of ICAO. He was elected by the Council as its third Vice-President from 1993 to 1994 and Chairman of the Technical Co-operation Committee from 1995 to 1996. He joined ICAO in August 1998 as Director of the Air Transport Bureau.

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