



OECD Workshop on Digital Identity Management

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Speakers' Bio Book



Wm. Curt Barker, Division Chief, U.S. National Institute of Standards and Technology

Mr. Barker is Chief of the NIST Information Technology Laboratory's Computer Security Division. He was most recently Program Manager for NIST Personal Identity Verification activities. He managed development of the HSPD #12-mandated Federal Information Processing Standard 201 and several NIST recommendations and guidelines that implement the FIPS. Mr Barker previously managed development of several NIST guidelines required by FISMA and is participating in the development of a number of NIST cryptographic publications. He has worked in the information security field since 1966. Before joining NIST, Mr. Barker worked in National Security Agency information assurance organizations, and subsequently held private sector positions of Vice President and Director of Independent Research and Development at two information assurance companies: PE Systems and Trusted Information Systems.



Michael Barrett, Chief Information Security Officer, PayPal, Inc.

Michael Barrett is the chief information security officer for PayPal. In this role, he is responsible for ensuring the security of PayPal's 133 million accounts worldwide. He oversees the information systems and services that protect the integrity and confidentiality of PayPal customer and employee information.

Before joining PayPal, Barrett was vice president of security and utility strategy at American Express, where he helped define the company's information-security program and directed its Internet technology strategy.

Previously, Barrett was president of the Liberty Alliance, an open-standards consortium focused on identity management standards and guidelines. Barrett was the driving force behind the introduction and standardization of the Alliance's federated identity concepts, and he also co-chaired its Identity Theft Prevention Working Group.

Barrett was twice named one of the 50 most powerful people in networking by Network World magazine and was recently listed as one of ITSecurity.com's 59 top influencers in the security industry. He is a certified information systems security professional (CISSP) and a certified information security manager (CISM). He graduated from Brighton University (U.K.), where he earned a Bachelor of Science degree in computer science.



Bob Blakley, Principal Analyst, Burton Group

Bob Blakley is Principal Analyst at the Burton Group. He was previously Chief Scientist for Security and Privacy at IBM. He was general chair of the 2003 IEEE Security and Privacy Conference and has served as General Chair of the New Security Paradigms Workshop. He has served on the National Academy of Science's study groups on "Authentication Technologies and Their Privacy Implications" and "Whither Biometrics".

He was named Distinguished Security Practitioner by the 2002 ACM Computer Security and Applications Conference (ACSAC), and serves on the editorial board for the International Journal of Information Security (IJIS).

Bob Blakley was the editor of the OMG CORBAsecurity specification, and is the author of "CORBA Security: An Introduction to Safe Computing with Objects", published by Addison-Wesley. Blakley was also the editor of the Open Group's Authorization API specification and the OASIS Security Services Technical Committee's SAML specification effort. Blakley has been involved in cryptography and data security design work since 1979 and has authored or co-authored seven papers on cryptography, secret-sharing schemes, access control, and other aspects of computer security. He holds nine patents on security-related technologies.

Blakley received an A.B. in classics from Princeton University, and a master's degree and Ph.D. in computer and communications sciences from the University of Michigan.

Chris Bunio, Senior Architect, Microsoft EMEA Government Solutions Group

Chris Bunio is a Senior Architect and Technology Strategist with Microsoft's Public Sector group. Chris works with governments across Europe, the Middle East and Africa to architect and implement Identity Management solutions within the context of broader strategic IT and business frameworks. He has most recently been working in the areas of delivering citizen centric services and optimizing government service delivery through a shared services program. Chris has been architecting and developing IT solutions for 15 years.



Fred Carter, Senior Policy and Technology Advisor, Office of the Information and Privacy Commissioner, Ontario (Canada)

Fred Carter serves the IPC in a variety of demanding roles as Senior Policy and Technology Advisor. His primary responsibilities involve providing research, information, and strategic advisory services to the IPC Commissioners, management and staff on a wide range of technology and privacy policy issues. He contributed to recent IPC publications on Identity Theft, Identity Management, Radio Frequency Identification (RFID), and Biometric Encryption.

Prior to joining the IPC, Mr. Carter worked for the Office of the Privacy Commissioner of Canada in the Research and Policy Division in a similar capacity, where he dealt with technology-related privacy compliance and public policy issues, including

biometrics, authentication methods, Internet privacy and e-Government issues.

Mr. Carter's multidisciplinary background includes two years working for a private-sector information technology privacy software company (Zero-Knowledge Systems), three years as chief policy analyst with the Standards Council of Canada (where he served as Secretary to the international ISO ad hoc Working Group on privacy and the protection of personal information), and three years with the Canadian Department of Foreign Affairs in Ottawa and Brussels.



Chanjoo Chung, Senior Researcher, Korea Information Security Agency

Chanjoo Chung has been a Senior Researcher at the Korea Information Security Agency since December 2000. Duties include: Management of Root CA (Certification Authority) system; Development of a Technical Standard about a Digital Certificate and Technology; Assessment of Accredited Certification Authorities; Development of a Policy for PKI Interoperability; Development of *i*-PIN(internet Personal Identification Number) Service; Development of a method for *i*-PIN(*internet* - Personal Identification Number) Service Interoperability.

Mr. Chung obtained a Bachelor of Computer Science from Kangnam University, Korea (March, 1993 ~ February, 1999), and a M.S in Electrical & Computer Engineering in Information & Communication Security Laboratory of Sungkyunkwan University (March, 1999 ~ February, 2001). Mr. Chung is currently working towards his Ph. D. in Information and Communication Engineering, in Information & Communication Security Laboratory of Sungkyunkwan University (March, 2003 ~ Present)



Malcolm Crompton, Managing Director, Information Integrity Solutions Pty Ltd

Malcolm Crompton is Managing Director of *Information Integrity Solutions P/L*, advising private public sector organisations on building trust through the way they collect and use personal information.

He was Australia's third Privacy Commissioner for five years until April 2004. He led the implementation of Australia's private sector privacy law.

He is also a member of the Board of IAPP, Microsoft Trustworthy Computing Academic Advisory Board, the global External Advisory Board of the IBM Privacy Institute, the Reference Group for the Privacy and Identity Management for Europe (PRIME) project.

He has been on a number of international privacy award judging panels.

In the previous 20 years, Malcolm held senior executive positions in the Australian Public Service. He started his career as a research scientist.



Katarina de Brisis, Vice Chair OECD WPISP; Senior Adviser, Department of National IT-Policy, Norwegian Ministry of Government Administration and Reform

Katarina de Brisis is a senior adviser in the Norwegian Ministry of Government Administration and Reform, in the department coordinating national IT policy in Norway. She works mainly with questions concerning information security, trust and confidence in electronic transactions and in eGovernment. In 2000-2001 she chaired a public committee that submitted a white paper to the Government on the use of digital signatures in public administration. She's been project manager for the development of Norway's National Strategy for Information Security, published in 2003, she was head of the project to develop Common Specifications for PKI in government, that were made government standard in 2005, and recently she chaired the task force that developed a proposal for a new strategy for the use of electronic signatures and authentication for the Norwegian public administration. She is currently a member of various government committees related to information security, as well as the OECD Working Party on Information Security and Privacy where she's a vice-chair and member of the Bureau.

Mrs. de Brisis is a MSc and certified civil engineer in the field of computer science and has a 26 years working experience in information technology. She's currently completing an MBA in public finances and management at the Norwegian School of Economics.



Jim Dray Information Technology Laboratory, U.S. National Institute of Standards and Technology

Jim Dray joined the U.S. Commerce Department's National Institute of Standards and Technology (NIST) in 1988. He established and led NIST's smart card research and development program. His work resulted in the first reprogrammable smart card, and the first smart card to implement the Data Encryption and Digital Signature algorithms. Jim held the position of Chief Scientist for the U.S. Government Smart Card Program from 2000 to 2004, leading development of the Government Smart Card Interoperability Specifications. He is the recipient of two Commerce Department Gold Medal Awards for his work on the Advanced Encryption Standard and the Government Smart Card Program.

Jim has served as Principal Architect for the Personal Identity Verification (PIV) Program mandated by Homeland Security Presidential Directive 12 since its inception in August 2004. He is the primary author of NIST Special Publication 800-73, which defines the PIV smart card and middleware architectures, and was a major contributor to the other components of the PIV standards suite including Federal Information Processing Standards publication 201.

Jim currently manages the Identity Management Systems Program at NIST. In this capacity he is responsible for development of metrics, conformance tests, and standards for Identity Management for the Federal Government.



Dan Greenwood, Lecturer, MIT Media Lab / MIT E-Commerce Architecture Program

Daniel "Daz" Greenwood is a lecturer at the MIT Media Lab, focusing teaching and research at the intersection of public policy, information technology and innovation. A lecturer at MIT since 1997, Mr. Greenwood has led projects for national and state governments as well as fortune 500 private sponsors of research in the MIT E-Commerce Architecture Program, which he founded and directs. As an attorney, prior to joining MIT, Mr. Greenwood served as in-house and outside counsel for information technology issues for the government of Massachusetts. Mr. Greenwood founded and directs the information technology consultancy CIVICS.com, providing strategic and policy solutions for public and private sector organizations and he serves on the boards of directors of various non-profit, standards and trade associations dedicated to information society issues.

Daniel Greenwood has testified several times before U.S. House of Representatives and the U.S. Senate, as well as state legislatures and federal and state agencies domestically and abroad regarding

technology policy issues raised by electronic commerce, individual authentication and civil liberties and electronic signatures and electronic contracts.

Daniel Greenwood is chairman of the eContracts Committee of OASIS/LegalXML, which is developing an international standard for electronic contracts, and chairs the Electronic Agents and Automated Transactions Task Force of the American Bar Association, and he leads or participates in many other standard setting efforts.

Mr. Greenwood has served as an expert in intellectual property litigation and as special counsel and consultant on information technology issues for various governments and fortune 500 firms. Mr. Greenwood is a frequent keynote or speaker at trade, professional and academic events, having addressed tens of thousands of people over the past decade. Daniel Greenwood has been published and widely cited in law and business review journals as well as trade, popular press and quoted or featured on nationally broadcast television, the Wall Street Journal and other mass media.

Daniel Greenwood has served as an arbitrator under the Internet Corporation for Assigned Names and Numbers (ICANN), where he arbitrates Internet domain name and trademark disputes. Mr. Greenwood has also developed legal processes for online mediation used by eBay and other online dispute resolution providers and is the vice chairman of the Online Dispute Resolution technical specifications committee.

While in state government, Mr. Greenwood conceived and coded the first large-scale intranet of any state and created the legal terms and context supporting the first web-accessible credit card payment system of any state government. He also was chairman of the Massachusetts Online Government Task Force, which recommended an vigorous addition of web-based transactions with state government for citizens, businesses and other governments. Mr. Greenwood also later conceived, championed and coded the Massachusetts "TechBills" internet site, making technology related legislation immediately accessible through a database publicly accessible on the web (see: <http://www.mass.gov/itd/legal/tekbills/>).

A proponent of open source software, Mr. Greenwood hosted and facilitated the founding meeting of the Government Open Code Consortium, bringing together state and local governments under an organizational support and repository structure for the creation and re-use of free and open source software (see www.gocc.gov).

Daniel Greenwood also competes in Olympic and sprint triathlons, teaches hot and power vinyasa yoga and meditation and performs as lead soloist in a modern music ensemble.



Thomas Gross, Researcher, Identity 2.0, IBM Zurich Research Laboratory

Thomas Gross is a researcher of the IBM Zurich Research Laboratory. Thomas is responsible for the topic of Identity Federation. He is leading IBM Research's Identity 2.0 project that nurtures user-centric identity management in collaboration scenarios and establishes strong authentication and privacy protection in standards as well as the Higgins Trust Framework.

Thomas Gross joined the cryptography group of the IBM Zurich Research Lab in 2002. His research interests lay in network security and applications of cryptography and

formal methods.

Thomas Gross received a M.S. degree in Computer Science from Saarland University, Germany. His PhD thesis governs the verification of standardized identity federation protocols with web browsers.



Jane Hamilton, Director, Electronic Commerce Policy, Industry Canada

Jane Hamilton has been working with the Canadian federal government since 1998. In her current capacity as Acting Director, Electronic Commerce Policy with Industry Canada's Electronic Commerce Branch, Jane's focus is on policy development work related to building trust and confidence in the digital economy. This work involves both security and privacy aspects, including issues related to the development and use of authentication services in Canada.

Internationally, Jane is an active member of the OECD's Working Party on Information Security and Privacy and APEC's Telecommunications Working Group. She also represents Canada's interests at a number of subordinate entities of these groups.

Prior to working with the Electronic Commerce Branch, Jane worked for over 12 years in the financial services industry. As a member of the senior management team of the Canadian Payments Association, Jane was responsible for a variety of strategic planning initiatives and projects, many of which were related to the development and implementation of new forms of electronic payment.

Jane attended Queen's University in Kingston, Ontario, Canada where she obtained an under graduate degree in Psychology and a graduate degree in Business Administration.

Ben Laurie, Security Consultant, Google

Ben Laurie is a cryptographer, security researcher, software developer and author. He was one of the founders of the Apache Software Foundation, wrote Apache-SSL, the basis of more than 50% of secure web servers today, is a core team member of OpenSSL and co-authored "Apache: The Definitive Guide". He is passionate about privacy and anonymity in the online world. He currently works for Google's Applied Security team.

Naomi Lefkowitz, Attorney, Division of Privacy and Identity Protection, Federal Trade Commission (United States)

Naomi Lefkowitz is an attorney with the Division of Privacy and Identity Protection at the Federal Trade Commission. Her responsibilities focus primarily on identity theft and privacy policy issues, FCRA rulemaking, data security and identity theft legislation, and business and consumer education in these areas. Ms. Lefkowitz joined the FTC in 2001. For the five years prior to working at the FTC, she was Assistant General Counsel at CDnow, Inc., an online music retailer. At CDnow, Inc., she was responsible for negotiating and drafting contracts, the customer privacy policy, managing corporate intellectual property, lobbying and trade association participation as well as other corporate matters.

Ms. Lefkowitz holds a B.A. with honors in French Literature from Bryn Mawr College and a J.D. with honors from Temple University School of Law.



Frank Leyman, Manager, International Relations, FEDICT

Frank Leyman holds a degree in Marketing and in Applied economics from the University of Mons in Belgium. He started his career with IBM Belgium as a telecom Marketing specialist. After 6 years he joined the Belgian national Telecom operator BELGACOM where he was in charge of setting up the Corporate Services Sector. After 3 years he was appointed as Distribution Channels Director for the Belgacom Group. In 1999 he left Belgacom for a more international career by joining the company PROTON WORLD. This company is specialized in large scale smartcard based projects. He has been in charge of business development in the Middle-East and African Region and has co-developed the complete Government offering.

Since mid 2005 he works for FEDICT (the Federal Public Service for ICT) where he manages International Relations as well as the relations with European Commission, UN and OECD.

He is 45, married and has 2 boys.



Jan-Martin Lowendahl, Research Director, Gartner Group, Higher Education Strategies

Jan-Martin Lowendahl, Ph. D (Chemistry) is a research director in Gartner Research, where his research area is higher-education technology strategies including administrative and academic systems, learning technologies, identity and access management, governance as well as European higher education issues such as the Bologna Process.

Prior to joining Gartner, Dr. Lowendahl had 15 years of experience in higher education, including research and teaching and IT management. Most recently he served as CIO, where his main focus was infrastructure strategies and governance. Dr. Lowendahl has also worked collaboratively in the academic community and has served on several Boards.



Richard Mapleston, Shell Exploration and Production Europe

Richard is an IT Strategy Consultant with a long interest in the application of internet technology, and in particular the use of Digital Signatures. He is working on a joint initiative with the UK Department of Trade and Industry (DTI) to promote the use of this technology across the upstream oil industry. Richard holds a PhD in biochemistry and a Masters in Operational Research. His career has spanned OR and IT in government, banking and the oil industry.



Sara Marshall, Director, External Affairs, Identity and Passport Service (UK)

Sara Marshall is Director of External Affairs for the UK Identity and Passport Service based in London. Sara's focus is on the development of an identity management strategy for government of which a major part is the Biometric National Identity Scheme. Sara has previously worked on a range of policy and strategic issues for government such as policing, criminal justice and equalities and has also worked for the Australian Government.

Sara has degrees in Law and Psychology.



Ingrid Melve, Chief Technical Officer, UNINETT

Ingrid Melve is Chief Technical Officer at UNINETT since September 2006, and has been the manager of Feide, federated identity management for education, since 2005. From 1998 she was Manager of Applications and Middleware for UNINETT, the Norwegian research network, where she has worked with information services since 1994. Her work develops and deploys e-Infrastructure for education and research. Identity management on campus and in federated solutions has been the main focus of her

work since 2000. She holds an MSc in Telecommunications from the Norwegian Institute of Technology (1993).



Gillian Ormiston, Senior Solutions Consultant, Identity Management and Security Solutions, Motorola Ltd.

Ms Ormiston has held positions in both the private and government sectors involving solutions design and consulting during the past 17 years.

Within Motorola, she is responsible for ensuring that identity management solutions meet operational requirements within a European context. She is currently involved with two key European Projects: the implementation of a combined e-passport and Schengen visa biometric enrolment solution to be deployed throughout Norway and in over 100 Norwegian Consular posts throughout the world, the first of its kind in Europe and the implementation of BIODEV II, the EU funded Visa Pilot Project involving Austria, Spain, Portugal, Luxembourg and the UK.

Before joining Motorola, she worked in the capacity of Deputy Programme Officer and Project Officer for the European Commission DG Justice, Freedom and Security Large Scale IT unit. In this capacity she was instrumental in developing the requirements and managing the implementation of projects such as EURODAC, DublinET, the second generation Schengen Information System (SIS II) and the Visa Information System (VIS).



Hugo Parr, Director General, Norwegian Ministry of Government Administration and Reform

Hugo Parr was born in 1947. He has been Director General in different Ministries of the Norwegian Government since 1987, presently at the Ministry for Government Administration and Reform. Since 1998, he is responsible for the coordination of Norway's ICT policy. He holds a doctorate in solid-state physics, with experimental superconductivity as the field of specialization. His career also includes 2 years of applied research in remote sensing, 6 years as Division Head for R&D in the Ministry of

Petroleum and Energy, and 4 years as a manager of laboratory services in the Det norske Veritas and the National Institute of Technology.

Mr. Parr has a broad experience in international cooperation. In 1993-94, he was Chairman of the High Level Group of the European EUREKA cooperation. From 1996-99 he was Council Chairman of the European Space Agency. From 2002-2007, he was chairman of the OECD Committee for Information, Computer and Communications Policy.



Andreas Pfitzmann, Head of the Privacy and Security Research group, Department of Computer Science, Dresden University of Technology

Andreas Pfitzmann is a professor of computer science at Dresden University of Technology. His research interests include privacy and multilateral security, mainly in communication networks, mobile computing, identity management, and distributed applications. He has authored or coauthored about 120 papers in these fields. He received diploma and doctoral degrees in computer science from the University of Karlsruhe. He is a member of ACM, IEEE, and GI, where he served as chairman of the Special Interest Group on Dependable IT-Systems for ten years.



Denis Royer, Future of Identity in the Information Society (FIDIS) Co-ordinator, Frankfurt University

Denis Royer was born in Germany in 1977. He completed his master in business informatics in 2003 at the University of Technology at Braunschweig (Germany). From 2000 to 2001 he studied information systems and business administration at the University of Nebraska @ Omaha, Nebraska (USA). Since 2004 he is a researcher and project coordinator of the FIDIS NoE (www.fidis.net) at Johann Wolfgang Goethe - Universität in Frankfurt, Germany. At the chair for Mobile Commerce and Multilateral Security, he works on the economic evaluation of identity management systems, IdM

process models, and IDM meta-models in the context of the European research project FIDIS (Future of Identity in the Information Society).



Mary Rundle, Fellow, Berkman Center for Internet and Society at Harvard Law School

Mary Rundle is a Fellow with the Berkman Center for Internet and Society at Harvard Law School, a Non-Resident Fellow with the Center for Internet and Society at Stanford Law School, and a Visiting Fellow with the Oxford Internet Institute at Oxford University. As such, she leads the Net Dialogue project, which aims to: (i) shed light on international Net governance; (ii) foster dialogue between technologists and the international policymaking community; and (iii) offer concrete suggestions for ways to build democratic mechanisms into the architecture of the networked world. (For more information, please see <http://cyber.law.harvard.edu/home/research/netdialogue>.) Prior to this work Mary studied Asian Studies as an undergraduate at the University of Virginia and did graduate work in Foreign Service and Law at Georgetown University. While in Washington, DC, she also worked with non-profits, business, and government in positions dealing with human rights, international economic policy, and foreign affairs. She subsequently served as a Legal Affairs Officer for the World Trade Organization in Geneva, Switzerland.



Anthony Rutkowski, Vice-President, Regulatory Affairs and Standards, VeriSign Inc.

Currently the VP for Regulatory Affairs and Standards at VeriSign - a leading global provider of trusted infrastructure services for telecommunication, content, Internet, and ECommerce sectors. In that capacity, he develops, coordinates, files, and articulates VeriSign regulatory and strategic technical interests in governmental and industry forums worldwide, as well as provides regulatory counsel to the company. He is also a Distinguished Fellow, at Georgia Tech's Nunn Center for International Strategy Technology and Policy.

He actively participates in numerous global forums dealing with Identity Management, Next Generation Networks, National Security, Critical Infrastructure Protection, and Law Enforcement Support. He was recently appointed by the FCC as a member of the WARN Act Advisory Committee.

He is an engineer-lawyer with a 45 year career as a highly visible and well-known global enterprise strategist, public official, organization leader, consultant, lecturer, and author in both the Internet and telecom worlds, in the U.S. and internationally. Positions include the private sector (VeriSign, SAIC, General Magic, Sprint International, Horizon House, Pan American Engineering, General Electric, Evening News Association) government (Federal Communications Commission, the International Telecommunication Union, Cape Canaveral City Council), academic (Internet Society, MIT, and NY Law School), and consulting as NGI Associates. See mysite.verizon.net/amrutkowski/



Toby Stevens, Director, Enterprise Privacy Group

Toby Stevens is Director of the Enterprise Privacy Group, an association of major organisations that are dedicated to excellence in the handling of personal information. For fifteen years he has worked in privacy, information security and project management roles across the financial services and Internet sectors. Toby is a Fellow of the British Computer Society and Chair of the BCS Information Privacy Expert Panel.



Paul Trevithick, Founder, Higgins

Paul's technical work in the past few years has been centered on project Higgins, a large-scale collaboration with IBM, Novell, Oracle, and others to create an interoperable identity layer for the internet.

Higgins unifies existing identity systems/protocols (e.g. CardSpace/WS-*, OpenID, Liberty/SAML, XRI, etc.), provides a consistent user experience based on the "i-card" metaphor, and shifts as much control as possible to the individual. It is an open source software framework based on an abstract data model for identity attributes and social

relationships.

Mr. Trevithick is currently the CEO of Parity Communications, Inc., the technical lead of the Eclipse Foundation's Higgins project (eclipse.org/higgins), a co-founder of IdentityGang.org, IdentitySchemas.org, and SocialPhysics.org and a Steward of Identity Commons.

Paul has been a serial entrepreneur for the past 25+ years providing technology solutions to Apple, Verizon, IBM, Xerox, Agfa, Fidelity, Accenture, the US Department of Defense. Previously he was president of Bitstream (NASDAQ:BITS) and CEO/co-founder of Archetype, Inc. and Lightspeed Computers before that. Paul has participated in a number of standards efforts, was granted the Seybold Industry Vision award in '99, did research at the MIT Media Lab in the early 80's, and graduated from MIT.



Jean-Pierre Tual, Director, Industrial Relations, Gemalto

Jean-Pierre Tual was born in Saint-Germain en Laye (France) on August 23th, 1953. He was graduated from the "Ecole Nationale Supérieure de Techniques Avancées" in 1976, and got a Ph.D in Mathematics from the Paris VI University in 1979. He is currently (since March 2003) Director, Industrial Relations at Gemalto, in charge of corporate strategy for all R&D cooperative operations (EUREKA and EU IST programmes, French Competitiveness Clusters and other National Initiatives). He is also the Company's representative at the Eureka MEDEA+ Steering Group Applications. He was in particular

recently involved in the preparation and project Management of several projects linked with Identity Management such as Celtic Fidelity (ID Federation and Inter CoT management in the Telecommunication domain), Medea+ Onom@Topic+ (Pan-European interoperable e-ID platform) and the National (Competitiveness Cluster) FC² project (ID Federation in cross-domain context).

He was formerly VP, in charge of R&D, Schlumberger-Sema Smart-Card and terminals (April 2001-February 2003), Bull CP8 VP, R&D and technical Support (October 1999-March 2001), Bull Smart Card and Terminal, VP, Smart-card Business Unit Manager.

Jean-Pierre Tual is an IEEE and SMF (French Mathematics Society) member.

Irma van der Ploeg, Associate Professor, Research Center Infonomics, New Media & Society, Zuyd University, The Netherlands

Irma van der Ploeg (PhD) holds degrees in philosophy and science and technology studies; as Associate Professor she is heading the Infonomics & New Media Research Centre at Zuyd University, Maastricht/Heerlen, The Netherlands. She has published extensively on philosophical, normative, and gender aspects of medical technologies and information technologies. She is author of "The Machine-Readable Body. Essays on Biometrics and the Informatization of the Body (Maastricht: Shaker, 2005). For the Institute for Healthcare Management and Policy (IBMG), Erasmus University MC, Rotterdam, The Netherlands, she participated in the EC/FP6 project 'Biometric Identification Technologies and Ethics (BITE). Current research interests include social and ethical aspects of digital identities and identity management.

Dirk Van Rooy, Principal Scientific Officer, European Commission

Dirk van Rooy has worked for the European Commission since 1993, in the Directorate-General Information Society and Media and its predecessors. He is Principal Scientific Officer and his main area of work is the management of research programs in ICT for trust and security, focusing on technologies for applications, including privacy enhancing technologies, identity management, trusted computing and biometrics. Earlier areas of work have included open source software and the application of information technology to transport and environmental control.

Prior to joining the Commission, Dirk van Rooy worked in the software industry in international companies. Dirk van Rooy holds a Ph.D. from the Technical University of Denmark, where he worked on stochastic simulation models.



André Vasconcelos, The Knowledge Society Agency (UMIC)

André Vasconcelos holds a Master degree in Computer Engineering and Information Systems from Technical University of Lisbon, and his education background is on computer science and software engineering.

He has worked in several national and international projects concerning enterprise architecture and enterprise-distributed object computing.

He develops consulting activities for Portuguese organization in Enterprise Information System Architecture, Information System Architecture Evaluation, Enterprise Modelling, Organizational Engineering, and Business Process Modelling topics. Currently he is a consultant at UMIC (The Knowledge Society Agency) and AMA (Administrative Modernization Agency) in several Public Administration Projects, as the Portuguese Citizen Card.



Stephen Whitlock, Chief Security Architect for The Boeing Company

Stephen Whitlock, Chief Security Architect for The Boeing Company, is an internationally recognized specialist in the field of information security. His background includes the development of tools for testing system and network security. He has also written numerous papers and presented information on cryptography, UNIX systems, and network security to a wide variety of audiences. Whitlock developed an encryption strategy for large, multi-platform enterprise environments, which was presented to the U.S. Office of Science and Technology Policy, the National Security Council, and the FBI. He has authored numerous articles on information security and has been instrumental in the development of technical standards relating to computing security technologies. Whitlock has been an active participant in the security activities of the Internet Engineering Task Force, Key Recovery Alliance, Jericho Forum, and The Open Group. As the chair of the Open Group's Security and Electronic Commerce Program Group, he led the development of several standards, including the Common Data Security Architecture, and Advanced Authorization API. He is currently the Vice-Chair of the Open Group Security Forum and a member of the Board of Management of the Jericho Forum.



Robin Wilton, Co-Chair of the Liberty Alliance Public Policy Expert Group

Robin is Sun Microsystems' Corporate Architect for Federated Identity, and works in the Business Alliances team of the Chief Technology Office. He has 22 years' experience in the IT industry, most of it in technical pre-sales, consulting and technical support. Robin's customers have included a wide range of financial services institutions, telecommunications and manufacturing companies, and central and local government bodies. He has also contributed to standards definition work, both at the BSI and more recently the Liberty Alliance. His primary interest is the intersection between policymaking, identity technology and real life.