Hewlett-Packard Labs Marco Casassa Mont CV

PERSONAL INFORMATION

Name Casassa Mont, Marco

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Web Page http://www.hpl.hp.com/personal/Marco_Casassa_Mont/

Nationality Italian, British

Overview

I am a professional with almost 20 years experience in the ICT, Security, Identity & Access Management (IAM) and Privacy areas. I am currently a Senior Researcher at HP Labs, Cloud & Security Lab, Bristol, UK – part of the HP Office of Strategy and Technology (OST).

Over my 15 years of career at HP, I have worked at the scientific, technical, business and strategic levels: I led projects and R&D activities for the company.

I have spent the last 10 years at HP Labs working at the intersection of HP businesses, HP customers, the IT industry and the Academic world. My role included dealing with worldwide strategic and technical interactions with HP organizations and customers. Some key, recent achievements of mine include:

- Shaping and transferring <u>Security and Identity Analytics</u> know-how and technologies to HP Information Security (also known as Vistorm). Collaborations and interactions with major HP customers. I specifically led the work in the space of <u>Risk Assessment</u>, Decision Support and Analytics for Identity and Access Management;
- Research, analysis, design and delivery of the technical architecture of the <u>UK TSB EnCoRe Project</u> (Ensuring Consent and Revocation in organisations). Been a technology evangelist. I identified R&D focus areas, technically led related activities in EnCoRe and supervised a team in HP Labs;
- Research and development of new Identity and Privacy Management solutions for HP Software. I led the developed process of new privacy-enhancement technologies integrated with HP solutions that have been transferred to HP businesses;
- Research, design and development of the Architecture of the <u>EU PRIME Project</u> (Privacy and Identity Management for Europe) along with key technologies in the space of privacy-aware information lifecycle management (obligation management). I technically led a team in HP Labs to achieve these objectives, during the entire duration of this project.

My current interests and expertise include: security and privacy; risk assessment and decision support; policy management; data governance; event management and situational awareness; cloud computing; social networking; web technologies; enterprise IT processes and technologies.

My R&D activities have always been driven by the urge of innovating and making progress from a scientific and business perspective. As such, I have been very active in the publication and patenting fronts. The final part of this CV provides a list of my publications, technical report and professional activities.

Through these experiences I have developed a strong sense for how security is a key element for ensuring the smooth evolution of our dependency on ICT systems as individuals, businesses and more generally as a society.

WORK EXPERIENCE

- Dates (from to)
- · Name and address of employer
- Type of business or sector
- · Occupation or position held
- Main activities and responsibilities

January, 1996 – present day

Hewlett-Packard Labs, Long Down Avenue, Stoke Gifford, Bristol BS34 8QZ, UK

ICT and Security industry

Senior research at HP Labs

I am currently a <u>Senior Research Scientist at the Hewlett-Packard Laboratories</u> in the Cloud & Security Lab, Bristol, UK - part of the HP Office of Strategy and Technology (OST).

My role requires dealing with both technical and business aspects to deliver innovative solutions to HP business units and research partners. As a technologist, I led and delivered a variety of R&D projects, including: collaboration with and technology transfers to HP business units in the space of Security Analytics, Identity and Access Management (IAM) and Privacy; EU/UK funded projects - such as <u>EU PRIME project</u> (Privacy and Identity Management for Europe) and <u>UK TSB EnCoRe Project</u> (Ensuring Consent and Revocation). To achieve my objectives I led technical teams; worked as a principal architect and designer; being a technology evangelist.

I spent the last 3 years in the area of Security and Identity Analytics to research and develop an innovative methodology and related technologies to provide risk assessment and strategic decision support to key decision makers in the security and business area (e.g. CIOs, CISOs, etc.). This work has been recently transferred to HP Information Security (Vistorm). I engaged with HP Information Security and key HP customers to: refine the methodology and tools; gather needs and requirements; explore enterprise IT security and business processes; build analytics models; analyse experimental results and create customer reports; identify suitable ways to evaluate security risks and provide strategic decision support. In this context, I have recently carried out a Security Analytics case study with one of the major HP customers, in the IAM space. This work has been instrumental to de-risk this space and enabled know-how and technology transfer to HP Information Security.

I have know-how, expertise and interests in various areas, including: Security, Privacy and Identity Management, Compliance and Governance, Trust Infrastructure, Adaptive Systems, Web Services and Web Technologies.

My current efforts and work involve:

- Researching and making scientific advances in the space of Security and Identity Analytics, in collaboration with various HP Businesses (including HP Information Security/Vistorm);
- Innovating in the intersection of Security, Risk Management, Identity Management, Privacy
 and Economics areas by researching and technically leading teams to develop new
 technologies and solutions of relevance to the scientific community and HP businesses;
- Exploring R&D and business opportunities in the space of situational awareness (event management, SIM/SEM areas); security and privacy for cloud computing; data governance.

During my 15 years at HP Labs I have been involved in various R&D activities including: security, privacy, cloud computing, service and system management, policy management. I led the design and implementation of many related R&D prototype solutions and systems, including: privacy policy enforcement technologies for access control within enterprises; management and enforcement of privacy obligations within enterprises for regulatory compliance (privacy-aware information lifecycle management); enhanced access control and authorization systems; PKI, digital identities and digital credentials; web services based on emerging cryptographic schemas, such as Identifier-based Encryption (IBE); auditing, accountability and long-term storage solutions. I have technically led teams of interns during the design and development phases of these projects.

WORK EXPERIENCE

- Dates (from to)
- · Name and address of employer
- Type of business or sector
- Occupation or position held
- · Main activities and responsibilities

January, 1996 – present day [CONTINUED ...]

Hewlett-Packard Labs, Long Down, Stoke Gifford, Bristol BS34 8QZ, UK

ICT and Security industry

Senior research at HP Labs

I have more than 45 Patents filed and 11 Patent Granted. I am also very active on the Publication front with more than 40 International Conference Papers and about 60 HP Labs Technical Reports. I am involved in various Professional Activities, both as a Member of Program Committees of International (IEEE, ACM, etc.) Conferences and as General Chair.

I am a Senior IEEE Member and affiliated with IEEE Computer Society and IEEE Communication Society. I am also a member of The UK Institute of Information Security Professionals (IISP).

Additional details about achievements and work follow:

Responsible for Interactions with HP Businesses in the area of Identity Management and Technology Transfers

I contributed to the development of HP: Identity Management and Privacy strategy. I have been responsible for the technical interactions between HP Labs and HP businesses (in particular HP Software and HP C&I) with regards to HP Labs activities on Identity Management and Privacy.

In this context, I have been responsible of the transfer of privacy-enhancing technologies developed at HP Labs (i.e. (1) privacy policy enforcement and (2) privacy-aware information lifecycle management/obligation management) to HP business divisions (HP Software), for their productisation and integration with HP commercial offerings.

- HP Architect and Technologist in EU PRIME Project and EnCoRe Project

I actively contributed to the EU PRIME project – Framework VI (Privacy and Identity Management for Europe) as an architect of the overall PRIME Architecture and as a designer and developer of privacy management solutions for enterprises, in particular with regards to privacy obligation management and management of policies. My deliveries included key contributions to PRIME Architecture V1 and V2 and related privacy technologies developed and integrated within various PRIME prototypes. I am having a similar role in EnCoRe.

- Inventor

I contributed to file more than 45 patent applications (about 80 considering filing in different countries) spanning across various technological areas. I have currently been granted 11 patents.

Representing HP Labs with publications and presentations at international conferences.

In the last few years I have disseminated and created awareness about HP Labs work on security, identity and privacy management by writing papers and presenting them at various prestigious international conferences. I am serving as co-chair and member of program committees of various conferences. I am also very active on the Publication and Conference front with more than 40 International Conference Papers and about 60 HP Labs Technical Reports. I am involved in various Professional Activities, both as Member of Program Committee of International (IEEE, ACM, etc.) Conferences and as General Chair. A selected list of publications and technical reports of mine is available on my web page and attached in the last section of this CV.

I run a <u>Blog on Research on Security and IAM</u>. I am also active in <u>LinkedIn</u> and <u>Twitter</u>.

- Dates (from to)
- Name and address of employer
- Type of business or sector

November 1991 – December 1995

Telesoft S.p.a (now owned by Telecom Italia), Torino, Italy

IT industry

For more information go to http://www.hpl.hp.com/personal/Marco_Casassa_Mont/

- · Occupation or position held
- · Main activities and responsibilities

Senior Architect and System Designer

- I worked as a system architect to design and develop monitoring and management solutions for Telecom Italia's customers with regards to their telecommunication networks and systems.
- I have been promoted to senior architect and system designer in 1994 and I further contributed to the design and development of solutions for Telecom Italia's customers, mainly banks and telecom service providers. These solutions included trouble-ticketing management systems, network performance analysis, SLA compliance management systems and related reporting systems.

EDUCATION AND TRAINING

- · Dates (from to)
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- · Title of qualification awarded
- · Level in national classification
- Dates (from to)
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- · Title of qualification awarded
- Level in national classification
- · Dates (from to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded
- · Level in national classification

From 2003 to 2005

Universita' di Torino – Computer Science Department, Turin, Italy

Specialization in information management, mathematical and logic foundations, data mining, advanced data management principles and technologies and networking technologies.

MsC in Computer Science and Second Computer Science Degree

Laurea Magistrale in Scienze dell'Informazione – MsC and University-level degree for computer science courses in Italy

From 1986 to 1990

Universita' di Torino - Computer Science Department, Turin, Italy

Specialization in artificial intelligence.

Broad computer science training, mathematics, physics, programming languages, architecture and design methodologies, artificial intelligence, calculus of probability and statistics, information and data management.

Computer Science Degree with specialization in Advanced Information Management.

Laurea in Scienze dell'Informazione - University-level degree for computer science courses in Italy

From 1981 to 1986

High-school - ITIS G. Peano, Corso Venezia, Turin, Italy

Technical and scientific specialization in the area of computer science.

Italian High-school degree - "Diploma di Perito Tecnico ad Indirizzo Industriale"

High-school degree

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

Reading skills
 Writing skills
 Verbal skills
 Excellent
 Excellent

FRENCH

Reading skillsWriting skillsVerbal skillsMediumMedium

SOCIAL SKILLS AND COMPETENCES

I enjoy working with people, exchanging ideas and being part of teams. My approach consists in giving contributions with ideas, listening and learning from others and getting other people consent and support based on my collaboration and technical leadership.

By working at HP Labs and living in UK I experienced and practiced these skills in a very heterogeneous environment, by being part of teams involving people with different nationalities, skills and cultural backgrounds.

ORGANISATIONAL SKILLS AND COMPETENCES

I get the opportunity to coordinate and technically lead teams at work.

I am particularly good at dealing with complex activities and problems, identifying suitable tasks and ensuring they are executed, either by myself or by the team I coordinate. I like setting clear objectives for myself and the team and organize the required work to pursue them.

I gained a lot of experience by working with HP Business Units and in the UK TSB EnCoRe and EU PRIME project: I matured my capability to understand different realities and achieve consensus in different organisations.

I also get to practice these skills in my personal life where I like to coordinate activities, holidays or reunions with family and friends.

TECHNICAL SKILLS AND COMPETENCES

After training in computer science and getting my degrees, I have been exposed to all phases of software engineering and development in most of current platforms (INTEL, SUN, HP, etc.), operating systems (Windows, UNIX/Linux, HP-UX, etc.) and languages (C, Java, C#, etc.).

I developed my expertise in ITC and security at HP Labs, in the last 10 years by working in various projects involving security at different level of abstractions, including: cryptography, networking and communication security, system, application and service levels.

I am currently an expert on security, privacy and identity management in terms of state-of-the art solutions and technologies (at different levels of abstraction within the IT stack) and advanced research topics. I also matured expertise of security, privacy, risk assessment and decision support at the business level.

My additional technical skills and competences include: Analysis of complex problems; Delivery of solutions; Identification of research areas/business opportunities; Networking with people; Information and requirement gathering; Definition of specifications; Architecture Design; Solution and System Design; Solution and System Implementation; Security, Identity & Privacy Management; Telecom know-how; Consulting & Integration.

ARTISTIC SKILLS AND COMPETENCES

I like writing and drawing

HOBBIES AND COMPETENCES

My hobbies include: traveling, reading, skiing and swimming. I enjoy discovering new cultures and understanding how cultural background helps shape people's outlook on things.

ADDITIONAL INFORMATION

Up-to-date information about my work and activities can be found on my web site: http://www.hpl.hp.com/personal/Marco_Casassa_Mont/

Professional Activities

I have been serving as a member of the Program Committee of various conferences and workshops related to my research domain:

- 1. 6th ACM Workshop on Digital Identity Management, ACM DIM 2010, 8 October 2010, Chicago, IL, US
- 2. 7th International Conference on Trust, Privacy & Security in Digital Business, <u>TrustBus 2010</u>, 30 August-3 September 2010, Bilbao, Spain
- 3. 11th IEEE Policy 2010 Symposium, Policy 2010, 21-23 July 2010, George Mason University, US, 2010
- 4. 4th IEEE International Conference on Network and System Security, <u>NSS 2010</u>, 1-3 September 2010, Melbourne, Australia
- 5. 2nd International ICST Conference on Security and Privacy in Mobile Information and Communication Systems, MobiSec 2010, 27-28 May 2010, Catania, Sicily, Italy
- 6. International Conference on Security and Cryptography, <u>SECRYPT 2010</u>, 26-28 July 2010, Athens, Greece
- 7. 5th International Conference on Internet Monitoring and Protection, <u>ICIMP 2010</u>, 9-15 May 2010, Barcelona, Spain
- 8. 5th IEEE International Conference on Future Information Technology, <u>FutureTech 2010</u>, 20-24 May 2010, Busan , Korea
- 9. 4th Workshop in Information Security Theory and Practices, WISTP 2010, 12-14 April 2010, Passau, Germany
- 10. 25th ACM Symposium on Applied Computing, SAC 2010, 22-26 March 2010, Lausanne, Switzerland
- 11. W3C Workshop on Access Control Application Scenarios, <u>W3C Workshop 2009</u>, 17-18 November 2009, Luxembourg
- 12. 25th Annual Computer Security Applications Conference, <u>ACSAC 2009</u>, 7-11 December 2009, Honolulu, Hawaii, US
- 13. 1st IEEE Conference on Biometrics, Identity and Security, <u>IEEE BIdS 2009</u>, 22-24 September 2009, Tampa, Florida, US
- 14. 2nd IEEE International Workshop on Security and Privacy in Enterprise Computing, <u>IEEE InSPEC 2009</u>, 31 August 4 September 2009, Auckland, New Zealand
- 15. 5th ACM Workshop on Digital Identity Management, ACM DIM 2009, 9-13 November 2009, Chicago, IL, US
- 16. 3rd IEEE International Conference on Semantic Computing, <u>IEEE ICSC 2009</u>, 14-16 September 2009, Berkeley, CA, US
- 17. 6th International Conference on Trust, Privacy & Security in Digital Business, <u>TrustBus 2009</u>, 31 August-4 September 2009, Linz, Austria
- 18. 4th International Conference on Internet Monitoring and Protection, ICIMP 2009, 24-28 May 2009, Venice, Italy
- 19. 4th International Conference SAR-SSI 2009, 22-26 June 2009, Luchon, France
- 20. International Workshop on Security and Privacy in Enterprise Computing 2008, <u>InSPEC 2008</u>, in conjunction with 12th IEEE EDOC 2008, 15 September 2008, Munchen, Germany, 2008
- 24th Annual Computer Security Applications Conference 2008, <u>ACSAC 2008</u>, 8-12 December, Anaheim, California, US, 2008
- 22. Digital Identity Protection Session at the 2008 International Conference on Security and Management Workshop, WorldCom 2008, 14-17 July, Las Vegas, Nevada, US, 2008
- 23. 4th ACM Workshop on Digital Identity Management, <u>DIM 2008</u> (co-located with ACM CCS 2008), 31 October 2008, Fairfax, VA, US
- 24. 5th International Conference on Trust, Security and Privacy 2008, TrustBus 2008, 1-5 September 2008, Turin, Italy

- 25. 23rd IFIP International Information Security Conference, SEC 2008, 8-10 September 2008, Milan Italy
- 26. 9th IEEE Workshop on Policies for Distributed Systems and Networks, <u>IEEE Policy 2008</u>, 2-4 June 2008, Palisades, NY, US
- 27. 1st IEEE International Conference on Semantic Computing, ISCS 2007, 17-19 September 2007, Irvine, California
- 28. 4th International Conference on Trust, Privacy & Security in Digital Business, <u>TrustBus 2007</u>, 3-7 September 2007, Regensburg, Germany
- 29. 1st International Conference on Global Defense and Business Continuity, <u>ICGD&BC 2007</u>, 1-6 July 2007 Silicon Valley, California, US
- 30. 8th IEEE Workshop on Policies for Distributed Systems and Networks, <u>Policy 2007</u>, 13-15 June 2007, Bologna, Italy
- 31. <u>W3C Workshop</u> on Languages for Privacy Policy Negotiation and Semantics-Driven Enforcement, 17-18 October 2006, Ispra, Italy
- 32. 3rd International Conference on Trust, Privacy & Security in Digital Business, <u>TrustBus 2006</u>, 4-8 September 2006, Krakow, Poland
- 33. 1st PRIME Workshop on Standards for Privacy in User-Centric Identity Management, 6-7 July 2006, Zurich, Switzerland
- 34. 4th International Conference on Privacy, Security and Trust 2006, <u>PST 2006</u>, 30 October 01 November 2006, Toronto, Canada
- 35. 2nd International Conference on Trust, Privacy & Security in Digital Business, <u>TrustBus 2005</u>, 22-26 August 2005, Copenhagen, Denmark
- 36. 26th IEEE Computer Software and Application Conference 2002, <u>COMPSAC 2002</u>, 26-29 August 2002, Oxford, England

I am or I have been the General Chair/co-Chair of the following Conferences, Workshops and Interest Groups:

- 1. 10th IEEE Symposium Policy 2009
- 2. W3C Policy Languages Interest Group (PLING) ongoing (till Feb 2011)
- 1st International Conference on Global Defense and Business Continuity, <u>ICGD&BC 2007</u>, 1-6 July 2007 Silicon Valley, California

A) International Journals and Magazines

- 1. Anna Squicciarini, Sathya Dev Rajasekaran, Marco Casassa Mont Using Modelling and Simulation to Evaluate Enterprises' Risk Exposures to Social Networks, IEEE Computer Magazine, vol 44, no.1, pp. 66-73, January 2011
- 2. Adrian Baldwin, Marco Casassa Mont, Yolanta Beres, Simon Shiu Assurance for Federated Identity Management, Journal of Computer Security (JCS), Volume 18, Number 4/2010, 2010
- 3. Siani Pearson, Marco Casassa Mont, Manny Novoa Securing Information Transfer in Distributed Computing Environments, IEEE Security & Privacy, Volume 6, Number 1, January/February 2008, 2008
- Marco Casassa Mont, Robert Thyne Privacy Policy Enforcement in Enterprises with Identity Management Solutions, <u>Journal of Computer Security</u> (JCS), Volume 16, Number 2/2008, 2008
- 5. Phil Hunt (Oracle), Marco Casassa Mont Identity Governance Framework: Liberty Alliance's Initiative Addressing Privacy and SOX, Sarbanes-Oxley Compliance Journal, 2008
- Marco Casassa Mont Automation of Privacy Management- <u>Digma Magazine</u>, Zurich, Switzerland, 1 March 2007, 2007
- 7. Marco Casassa Mont Handling Privacy Obligations in Enterprises: Important Aspects and Technical Approaches Journal of Computer Science and Engineering, <u>CSSE</u>, Vol.20, Number 6, November 2005, 2005
- 8. Marco Casassa Mont, Kwok-Nga Chan, Pete Bramhall Management and Enforcement of Obligations in Enterprises Information Security Bulletin, ISB, September 2005, 2005

B) International Conference Papers

- Gina Kounga, Marco Casassa Mont, Pete Bramhall, Privacy Preserving Management of Personal Data for Assisted Living Applications, 1st International Workshop on the Security of the Internet of Things, secIoT 2010, 29 November 2010, Tokyo, Japan, 2010
- David Pym, Martin Sadler, Simon Shiu, Marco Casassa Mont, Information Stewardship in the Cloud: A Model-based Approach, 2nd International ICST Conference on Cloud Computing, CloudComp 2010, 26-28 October 2010, Barcelona, Spain [Conference Presentation: slides (MS.ppt)], 2010
- Nick Papanikolau, Sadie Creese, Michael Goldsmith, Marco Casassa Mont, Siani Pearson, EnCoRe: Towards a Holistic Approach to Privacy, IEEE and ACM International Conference on Security and Cryptography 2010, SECRYPT 2010, 26-28 July 2010, Athens, Greece, 2010
- Gina Kounga, Marco Casassa Mont, Pete Bramhall, Extending XACML Access Control Architecture for Allowing Preference-Based Authorization, 7th International Conference on Trust, Privacy & Security in Digital Business, TrustBus 2010, 30 August - 3 September 2010, Bilbao, Spain, 2010
- 5. *Marco Casassa Mont, Yolanta Beres, David Pym, Simon Shiu* Economics of Identity and Access Management: Providing Decision Support for Investments, 5th IFIP/IEEE Workshop on Business-driven IT Management BDIM 2010, 19 April 2010, Osaka, Japan [Conference Presentation: slides (MS.ppt)], 2010
- Marco Casassa Mont, Siani Pearson, Sadie Creese, Michael Goldsmith, Nick Papanikolaou Towards an Integrated Approach to
 the Management, Specification and Enforcement of Privacy Policies, position paper at <u>W3C Workshop on Access Control</u>
 <u>Application Scenarios</u>, 17-18 November 2009, Luxembourg
- 7. Yolanta Beres, Marco Casassa Mont, Jonathan Griffin, Simon Shiu Using Security Metrics Coupled with Predictive Modelling and Simulation to Assess Security processes, IEEE International Workshop on Security Measurements and Metrics, IEEE MetriSec 2009, 14 October, Lake Buena Vista, Florida, US
- Adrian Baldwin, Marco Casassa Mont, Simon Shiu Using Modelling and Simulation for Policy Decision Support in Identity Management, IEEE 10th Symposium on Policies for Distributed Systems and Networks, <u>IEEE Policy 2009 Symposium</u>, 20-22 July, London, 2009
- Anna Squicciarini, Marco Casassa Mont, Abhilasha Bhargav-Spantzel, Elisa Bertino Automatic Compliance of Privacy Policies in Federated Digital Identity Management, IEEE 9th Workshop on Policies for Distributed Systems and Networks, <u>IEEE Policy</u> 2008, 2-4 June, Palisades, NY, US, 2008
- 10. Adrian Baldwin, Marco Casassa Mont, Yolanta Beres, Simon Shiu On Identity Assurance in the Presence of Federated Identity Management Systems, ACS CCS 2007 Workshop on Digital Identity Management, DIM 2007, 2 November 2007, George Mason University, Fairfax, VA, US, [Conference Program and Presentations], 2007
- 11. *Marco Casassa Mont, Boris Balacheff* On Device-based Identity Management in Enterprises, 4th International Conference on Trust, Privacy and Security in Digital Business 2007, <u>TrustBus 2007</u>, 3-7 September 2007, Regensburg, Germany [Conference Presentation: slides (MS .ppt)], 2007

- 12. *Marco Casassa Mont, Filipe Beato* On Parametric Obligation Policies: Enabling Privacy-aware Information Lifecycle Management in Enterprises, 8th IEEE Workshop on Policies for Distributed Systems and Networks, <u>Policy 2007</u>, 13-15 June 2007, Bologna, Italy [Conference Presentation: slides (MS.ppt)], 2007
- 13. John Soren Pettersson, Simone Fischer-Hubner, Marco Casassa Mont, Siani Pearson How ordinary internet users can have a chance to influence privacy policies, 4th Nordic Conference on Human-Computer Interaction, NordiCHI 2006, 14-18 October 2006, Oslo, Norway, 2006
- 14. *Marco Casassa Mont, Robert Thyne* Privacy Policy Enforcement in Enterprises with Identity Management Solutions 4th International Conference on Privacy, Security and Trust 2006, <u>PST 2006</u>, 30 October, 01 November 2006, Toronto, Canada [Conference Presentation: slides (MS .ppt)], 2006
- Marco Casassa Mont On the Need to Explicitly Manage Privacy Obligation Policies as Part of Good Data Handling Practices -W3C Workshop on Languages for Privacy Policy Negotiation and Semantic-Driven Enforcement, <u>W3C Privacy Workshop 2006</u>, 17-18 October 2006, Ispra, Italy [Workshop Presentation: slides (MS .ppt)], 2006
- 16. *Marco Casassa Mont* Privacy-aware Information Lifecycle Management in Enterprises: Setting the Context Information Security Solution Europe 2006, 10-12 October 2006, Rome, Italy, <u>ISSE 2006</u>, [Conference Presentation: slides (MS .ppt)], 2006
- 17. *Marco Casassa Mont* Towards Scalable Management of Privacy Obligations in Enterprises 3rd International Conference on Trust, Privacy and Security in Digital Business 2006, <u>TrustBus 2006</u>, 4-8 September 2006, Krakow, Poland [Conference Presentation: slides (MS.ppt)], 2006
- Marco Casassa Mont, Siani Pearson, Robert Thyne A Systematic Approach to Privacy Enforcement and Policy Compliance Checking in Enterprises - 3rd International Conference on Trust, Privacy and Security in Digital Business 2006, <u>TrustBus 2006</u>, 4-8 September 2006, Krakow, Poland [Conference Presentation: slides (MS.ppt)], 2006
- Stephen Crane, Marco Casassa Mont A Customisable Reputation-based Privacy Assurance System using Active Feedback 2nd IEEE International Workshop on the Value of Security through Collaboration, <u>SECOVAL 2006</u>, 2 September 2006, Baltimore, MD, USA, 2006
- Marco Casassa Mont, Robert Thyne A Systemic Approach to Automate Privacy Policy Enforcement in Enterprises 6th Workshop on Privacy Enhancing Technologies 2006, <u>PET 2006</u>, 28-30 June, Cambridge, United Kingdom, [Conference <u>Presentation: slides (MS .ppt)</u>, Pre-proceeding <u>paper</u>], 2006
- 21. Siani Pearson, Marco Casassa Mont A System for Privacy-aware Resource Allocation and Data Processing in Dynamic Environments- 21st IFIP International Security Conference 2006, 22-24 May 2006, Karlstad, Sweden SEC 2006/InetSec 2006 [Conference Presentation: slides (MS .ppt)], 2006
- 22. Siani Pearson, Marco Casassa Mont Provision of Trusted Identity Management using Trust Credentials, 4th International Conference on Trust Management 2006, <u>i-Trust 2006</u>, 16-19 May 2006, Pisa, Italy, 2006
- 23. *Thomas Roessler, Giles Hogben, Marco Casassa Mont, Siani Pearson* Position paper: Rule Language Requirement for Privacy-Enabled Identity Management, Rule Languages for Interoperability 2005, 27-28 April 2005, Washington D.C., USA, 2005
- 24. *Marco Casassa Mont, Robert Thyne, Pete Bramhall, Kwok-Nga Chan* Privacy Policy Enforcement in Enterprises: Addressing Regulatory Compliance and Governance Needs Information Security Solution Europe 2005, <u>ISSE 2005</u>, 27-29 September 2005, Budapest, Hungary, [Conference Presentation: slides (MS.ppt)], 2005
- 25. *Marco Casassa Mont, Robert Thyne, Pete Bramhall* Privacy Enforcement for IT Governance: Doing it for Real 2nd International Conference on Trust, Privacy and Security in Digital Business 2005, <u>TrustBus 2005</u>, 22-26 August, Copenhagen, Denmark [Conference Presentation: slides (MS .ppt)], 2005
- 26. *Marco Casassa Mont, Siani Pearson* An Adaptive Privacy Management System for Data Repositories 2nd International Conference on Trust, Privacy and Security in Digital Business 2005, <u>TrustBus 2005</u>, 22-26 August, Copenhagen, Denmark [Conference Presentation: slides (MS .ppt)], 2005
- 27. Siani Pearson, Marco Casassa Mont, Stephen Crane Persistent and Dynamic Trust: Analysis and the Related Impact of Trusted Platforms 3rd International Conference on Trust Management 2005, <u>i-Trust 2005</u>, 23-26 May 2005, Roquencourt, France, 2005
- 28. *Marco Casassa Mont* Dealing with Privacy Obligations in Enterprises Information Security Solutions Europe 2004, <u>ISSE 2004</u>, 28-30 September 2004, Berlin, Germany [Conference Presentation: slides (MS .ppt)], 2004
- 29. *Marco Casassa Mont* Dealing with Privacy Obligations: Important Aspects and Technical Approaches 1st International Conference on Trust, Privacy and Security in Digital Business 2004, <u>TrustBus 2004</u>, 30 August 3 September 2004, Zaragoza, Spain [Conference Presentation: slides (MS .ppt)], 2004
- 30. *Marco Casassa Mont, Siani Pearson, Pete Bramhall* Towards Accountable Management of Privacy and Identity Management 8th European Symposium on Research on Computer Security 2003, <u>ESORICS 2003</u>, 13-15 October, 2003, Gjovik, Norway [Conference Presentation: slides (MS .ppt)], 2003

- 31. *Marco Casassa Mont, Siani Pearson, Pete Bramhall* Towards Accountable Management of Identity and Privacy: Sticky Policies and Enforceable Tracing Services IEEE Workshop on Trust and Privacy in Digital Business 2003, <u>TrustBus 2003</u> (DEXA 2003), 1-5 September, 2003, Prague, Czech Republic [Conference Presentation: slides (MS .ppt)], 2003
- 32. *Marco Casassa Mont, Pete Bramhall, Keith Harrison* A Flexible Role-based Secure Messaging Service: Exploiting IBE Technology for Privacy in Health Care IEEE Workshop on Trust and Privacy in Digital Business 2003, <u>TrustBus 2003</u> (DEXA 2003), 1-5 September, 2003, Prague, Czech Republic [Conference Presentation: slides (MS.ppt)], 2003
- 33. Yolanta Beres, Pete Bramhall, Marco Casassa Mont, Mickey Gittler, Siani Pearson On the Importance of Accountability and Enforceability of Enterprise Privacy Languages W3C Workshop on the Long Term Future of P3P and Enterprise Privacy Languages 2003, W3C 2003, 19-20 June 2003, Kiel, Germany [Position paper (.pdf), 2003
- 35. *Marco Casassa Mont, Richard Brown* Active Digital Credentials: Dynamic Provision of Up-to-Date Identity Information, International Conference, Infrastructure Security Conference 2002, INFRASEC 2002, 1-3 October 2002, Bristol, United Kingdom [Conference Presentation: slides (MS .ppt)], 2002
- 36. *Marco Casassa Mont, Adrian Baldwin, Yolanta Beres, Keith Harrison, Martin Sadler* Reducing Risks of Widespread Faults and Attacks for Commercial Software Applications: Towards Diversity of Software Components 26th IEEE Computer Software and Application Conference 2002, COMPSAC 2002, 26-29 August 2002, Oxford, England [Conference Presentation: slides (MS .ppt)], 2002
- 37. Adrian Baldwin, Simon Shiu, Marco Casassa Mont -Trust Services: A Framework for Service-based Solutions 26th IEEE Computer Software and Application Conference 2002, COMPSAC 2002, 26-29 August 2002, Oxford, England, 2002
- 38. *Marco Casassa Mont, Pete Bramhall, Joe Pato, Owen Rees, Mickey Gittler* Identity Management: a Key e-Business enabler Advances in Infrastructure for e-Business, e-Education, e-Science and e-Medicine on the Internet 2002, SSGRR 2002s, 29 July 4 August 2002, L'Aquila, Italy [Conference Presentation: slides (MS.ppt)], 2002
- 39. *Marco Casassa Mont, Mike Yearworth* Negotiated Revealing of Traders' Credentials in e-Marketplaces: Dealing with Trust and Privacy Issues 4th International IEEE Workshop on Advanced Issues of E-Commerce and Web-based Information Systems, WECWIS 2002, 26-28 June 2002, Newport Beach, California, USA [Conference Presentation: slides (MS_ppt)], 2002
- 40. Adrian Baldwin, Yolanta Beres, Marco Casassa Mont, Simon Shiu Trust Services: Reducing Risk in e-Commerce 4th Conference on Electronic Commerce Research 2001, ICECR-4, 8-11 November 2001, Dallas, Texas, USA, 2001
- 41. *Marco Casassa Mont, Lorenzo Tomasi* A Distributed Service, Adaptive to Trust Assessment, based on Peer-to-Peer E-Records Replication and Storage 8th IEEE workshop on Future Trends of Distributed Computing Systems 2001, <u>FTDCS 2001</u>, 31 October 2 November, 2001, Bologna, Italy [Conference presentation: .ppt slides], 2001
- 42. *Marco Casassa Mont, Adrian Baldwin, Cheh Goh* POWER Prototype: Towards Integrated Policy-based Management IEEE/IFIP Network Operations and Management Symposium, NOMS2000, 10-14 April 2000, Honolulu, Hawaii USA, 2000
- 43. *Marco Casassa Mont, Adrian Baldwin, Cheh Goh* Role of Policies in a Distributed Trust Framework <u>Policy Workshop 1999</u>, 15-17 November 1999, Bristol, United Kingdom [<u>Presentation</u>, <u>Position Paper</u>], 1999

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