

Sachar Paulus
Norbert Pohlmann
Helmut Reimer

ISSE 2005 – Securing Electronic Business Processes

**Highlights of the Information
Security Solutions Europe 2005
Conference**

TIB/UB Hannover 89
127 854 738



Contents

Preface _____	xi
About this Book _____	xiii
Microsoft and its European Initiatives _____	xv
Technology _____	1
Federated Identity: A Progress Report <i>Gerry Gebel</i> _____	3
Identity Federation – Introduction, Value & Evolution <i>J. Matthew Gardiner</i> _____	10
Pseudonymous Authentication and Authorization enhancing ubiquitous Identity Management <i>Thomas Hildmann, Thomas J. Wilke</i> _____	21
Identity Federation within the Telecommunications Industry: Case Study <i>Heather Hinton, Mark Vandenwauver</i> _____	30
Emerging Trends in strong Authentication: OATH, OTPS and EMV/CAP <i>Philip Hoyer</i> _____	39
Security Scheme for ad-hoc Networks <i>Harry Kalligeros, Stathes Hadjiefthymiades, Dimitris Frantzeskakis</i> _____	52
An electronic Signature Infrastructure for mobile Devices <i>M^a Dolores Barnés, Daniel S. Gómez, Antonio F. Gómez-Skarmeta, María Martínez, Antonio Ruiz, Daniel Sánchez</i> _____	62

Co-sourcing Remote Management of Mobile Security – The Missing Link <i>Frank Jorissen</i> _____	74
Aspect-Oriented Security for Web-Applications <i>Nicolai Kuntze, Thomas Rauch, Andreas U. Schmidt</i> _____	83
Combined Trusted Platform Modules and Smart Card Solutions <i>Dr. Florian Gawlas, Dr. Ulrich Stutenbäumer</i> _____	92
Understanding and Leveraging the Trusted Platform Module <i>Jan De Clercq</i> _____	98
The Regulatory Framework for Trusted Time Services in Europe <i>Jos Dumortier, Hannelore Dekeyser</i> _____	107
Sharing Resources through Communities of Interest <i>Kevin Foltz, Coimbatore Chandrasekaran</i> _____	120

Applications _____ **135**

Privacy Policy Enforcement in Enterprises: Addressing Regulatory Compliance and Governance Needs <i>Marco Casassa Mont, Robert Thyne Pete Bramhall, Kwok-Nga Chan</i> _____	137
Legal and Business Implications of Data Protection: A Transatlantic Discussion <i>Demetrios Eleftheriou</i> _____	149
Attacks against Information Systems: The EU legal Framework <i>Peter Van de Velde</i> _____	161

RFID and Privacy: A difficult Marriage? <i>Dr. Patrick Van Eecke, Georgia Skouma</i> _____	169
Legal Aspects of Security in e-Contracting with Electronic Agents <i>Irene Kafeza, Eleanna Kafeza, Dickson K.W.Chiu</i> _____	179
Managing the Legal Risk in Providing Online Quality Certification Services in EU <i>Paolo Balboni</i> _____	189
ROBIN, a Biometrics-based Security Environment at the Dutch Court Organization <i>Dieter Bong, Jeen de Swaart</i> _____	201
ePassports and Biometrics: Experiences and Lessons Learned <i>Andreas Wolf</i> _____	210
Multimodal Biometric Authentication: an Example <i>Madalina Baltatu, Rosalia D'Alessandro, Roberta D'Amico</i> _____	220
The Italian Innovative Approach to ICT Security Certification (ISO 15408) <i>Luisa Franchina, Franco Guida, Daniele Perucchini</i> _____	229
Secure USB Media Considerations for a Common Criteria Protection Profile <i>Henning Arendt, Marcel Weinand</i> _____	234
How to dematerialize tendering to RFPs and tenders opening Processes? <i>Sylvie Lacroix, Olivier Delos</i> _____	242
Integrated IT Security: Air-Traffic Management Case Study <i>Dr. Ulrich Lang, Rudolf Schreiner</i> _____	251

DECWEB - Internet fiscal Statement Submission <i>Mihai Ianciu, Costin Burdun, Ionut Florea</i> _____	260
Concept of supporting advanced Patient Rights by the German Health Card <i>Bruno Struif</i> _____	268
Report on the European Research Project Inspired: The Future of Smart Cards <i>Andreas Linke, Laurent Manteau</i> _____	274
The European Digital Passport – Assessing the Technological Impact on Border Management Process <i>Alfred Gottwald, Dr. Detlef Houdeau</i> _____	282
Online Banking: Spoofing Scams exposes Security Loopholes <i>Johannes Arreympi</i> _____	289
Standards and Projects for enabling secure eHealth Interoperability in Europe <i>Bernd Blobel</i> _____	301
Security Management _____	311
Using ISO 17799, COBIT & ITIL for solving Compliance Issue <i>Yves Le Roux</i> _____	313
Using GIS Tools to assess the Vulnerability of the Internet <i>Neil E. Robinson</i> _____	324
Collaboration and the Extended Workplace: Real-Time Productivity Gains, Real-Time Risk Management <i>Jack Nagle</i> _____	335

Integration of Management Systems <i>Aysegul Ibrislam, Dilek Özeren</i> _____	345
A Return on Security Investment Model for large Enterprises <i>Gunter Bitz</i> _____	350
Assessing the Economics of Electronic Security <i>Johannes Arreympi, Godfried Williams</i> _____	360
Strategic Research Agenda for Security and Dependability in R&D <i>James J. Clarke, William M. Fitzgerald</i> _____	370
Cross-border Recognition of Electronic Certificates: Results of the IDABC Bridge/Gateway Certification Authority Pilot Project <i>Gzim Ocakoglu</i> _____	381
Path Validation Conformance Testing <i>Sharon Boeyen</i> _____	389
The Virtual MailOpening: Usable Cryptography in German e-Government <i>Christian Mrugalla</i> _____	401
Modelling and Securing European Justice Workflows <i>Stefano Crosta, Jean-Christophe Pazzaglia, Hendrik Schöttle</i> _____	412
Secure Virtual Organisations: Protocols and Requirements <i>Omer Rana, Jeremy Hilton, Liviu Joita, Pete Burnap, Jaspreet Singh Pahwa, John Miles, W. Alex Gray</i> _____	422
A Usable Security Paradigm for Information Asset Protection <i>Corrado Ronchi, S. Zakhidov</i> _____	432