

# Programme

Day 1 (5<sup>th</sup> October)

	<sup>n</sup> October)								
10.00	Saal Berlin								
-	Opening Plenary								
11.15	Welcome Addresses Roger Dean, Managing Director, EEMA, UK; Norbert Pohlmann, President, TeleTrusT, Germany; Udo Helmbrecht, Executive Director, ENISA, EU; Stefan Jähnichen,								
	President, GI, TU Berlin & Fraunhofer FIRST, Germany								
		Federal Minister of the Interior,	Germany						
	moderated by Norbert Pohlmar	าท							
11.15									
-	Coffee Break								
11.45									
11.45	Saal Berlin								
_	Opening Plenary continued								
13.00	Keynote: Creating a Safer, Mor								
	Scott Charney, Corporate Vice	President Trustworthy Computi	ng, Microsoft, USA						
13.00									
-	Lunch Break								
14.30	1885 2040				CICUEDUET 2040				
	ISSE 2010 Track 1	Track 2	Track 3	Workshops/Business Strategy	SICHERHEIT 2010 Track 1	Track 2			
	ITACK I	Track 2	Track 3	Case Study Track	Track I	Track 2			
14.30	Saal Berlin	Salon Vienna	Salon Moscow	Case Study Track	Salon London 5	Salon London 4			
-	Saai Beriiii	Salon Vienna	Salon Woscow	Salon Rome	Salon London 5	Salon London 4			
16.00	Threats and	Future Aspects & Technical	Privacy and Data Protection	German Government Workshop	Biometrics and Digital	Security Systems			
	Countermeasures	Solutions		"eID and the New German	Signatures (Special	occurry bystems			
			Chair: Madeleine McLaggan	Identitycard (nPA) – Innovative	Session)	Chair: Jörg Schwenk			
	Chair: Udo Helmbrecht,	Chair: Bart Preneel,	Commissioner, Dutch Data	Security Solutions"		Oriain: Gorg Corrwork			
	Executive Director, ENISA, EU	Professor, K.U. Leuven, Belgium	Protection Authority, The Netherlands	Chair: Bernd Kowalski, President of	Chair: Alexander Nouak				
	20	Beigium	rveureriarius	Department, Federal Office for					
				Information Security, Germany					
ŀ	The Investigator's Nightmare	A Policy-Based Authorisation	PrETP: Privacy-Preserving	The eID Function of the nPA; Security	Biometric Template	A Parallel Computing			
	· ·	Scheme for Resource	Electronic Toll Pricing	Properties and Infrastructure	Protection Methods and	System with			
	Matthijs van der Wel,	Sharing in Pervasive	•	Components	Strategy for Interoperability	Specialised			
	Managing Principle Forensics	Environments	Alfredo Rial Duran,	•		Coprocessors for			
	EMEA, Verizon Business,		Researcher, K.U. Leuven,	Marian Margraf, Technical Project	Professor Christoph Busch,	Cryptanalytic			
	The Netherlands	Manel Medina, Professor,	Belgium	Leader, Federal Ministry of the	Hochschule Darmstadt,	Algorithms			
		Technical University of		Interior, Germany	Germany, Sebastian Abt,	· ·			
		Catalonia, Spain			Claudia Nickel, Ulrike Korte,	Thomas Loimayr,			
					Xuebing Zhou	Wolfgang Kastl,			
						University of Applied Sciences, Austria			
}	Software Tamper-Proofing	Visual Representation of	Data Protection Issues Related	Citizen Client Software and	Biometric Message	Towards Secure and			
		Advanced Electronic	to Cloud Computing in Europe	Infrastructure Services	Authentication	Reliable Firewall			
	Dynamic Application	Signatures	. • .			Systems based on			
	Authentication to Servers and	•	Paolo Balboni, ICT Lawyer,	Werner Braun, Siemens IT Solutions	Professor Christoph Busch,	MINIX 3			
	Authentication to Servers and	Nick Pope, Principal	European Privacy Association	and Services & Dirk Arendt, OpenLimit	Hochschule Darmstadt	C VINIINI			

	Security Devices  Ullrich Martini, Product Manager, Giesecke & Devrient GmbH, Germany & Corrado Ronchi, Director, EISST Ltd., UK  Malware Detection and	Consultant, Thales, UK  DSKPP and PSKC, IETF	(EPA), Italian Institute for Privacy (IIP) and Tilburg University (UvT), Italy  The Venetian Bauta Mask -	SignCubes, Germany  PostIdent-Online with the nPA	Germany, Daniel Hartung  Diffusion of Federated	Rüdiger Weis, Brian Schüler, Stefan Alexander Flemming  A Transparent Bridge
	Prevention Platform: Telecom Italia case study Luciana Costa, Security Architect, Telecom Italia, Italy	Standard Protocol and Payload for Symmetric Key Provisioning Philip Hoyer, Senior Architect, ActivIdentity, UK	Paradigm for Internet Anonymity Concepts? Johannes Wiele, Director Business Consulting, Defense AG, Germany	Jens Terboven, Vice President, Deutsche Post AG, Germany	Identity Management Detlef Hühnlein, Dr Heiko Roßnagel, Senior Scientist, Fraunhofer IAO, Germany, Jan Zibuschka, Senior Researcher, Fraunhofer IAO, Germany	for Forensic Sound Network Traffic Data Acquisition Stefan Kiltz, Mario Hildebrandt, Robert Altschaffel, Professor Jana Dittmann, University of Magdeburg, Germany
16.00 -	Coffee Break					
16.30 16.30	Session continued	Session continued	Session continued	German Government Workshop	Dependability and Fault-	Multimedia Security
_			Chair: Jos Dumortier,	continued	Tolerance (Special	(Special Session)
18.00	Saal Berlin	Salon Vienna	Professor, K.U. Leuven, Belgium	Salon Rome	Session) Chair: Bernhard Fechner	Chair: Professor Jana Dittmann, University of Magdeburg, Germany
			Salon Moscow		Salon London 5	Salon London 4
	Threat Agents: A Necessary Components of Threat Analysis Claire Vishik, Trust & Security Technology & Policy Manager, Intel, UK	Chip and PIN is Broken Steven J. Murdoch, University of Cambridge, UK	Towards Future-Proof Privacy- Respecting Identity Management Systems for Individuals Marit Hansen, Deputy Chief, ULD, Germany	The eID Function of the nPA within the European STORK Infrastructure  Volker Reible, Vice President Large Scale Project Management, T- Systems International & Andre Braunmandl, BSI Project Leader for the STORK Project, Federal Office for Information Security, Germany	Quantitative Model-Based Safety Analysis: A Case Study Matthias Güdemann, Researcher, University of Magdeburg, Germany, Frank Ortmeier	A Study on Features for the Detection of Copy-Move Forgeries Vincent Christlein, Christian Riess, PhD Student, University of Erlangen-Nuremberg, Germany, Elli Angelopoulou
	A Mechanism for e-Banking Frauds Prevention and User Privacy Protection Rosalia D'Alessandro, Security Architect, Telecom Italia, Italy	Security and Anti- Counterfeiting with PUFs: Latest Results Helena Handschuh, Principal Security Architect, Intrinsic-ID Inc,. USA	Cloud Computing, Smart Grid and Health IT John Sabo, Director Global Government Relations, CA, USA	Public Administration and Electronic Signatures – Polish Concepts for Securing E-Government Document Flow  Miroslaw Kutylowski, Professor & Przemyslaw Kubiak, Assistant Professor, Wroclaw University of Technology, Poland	Real-Time Fault-Tolerant Routing in High-Availability Multicast-Aware Video Networks Roman Messmer, Student, FernUniversitaet Hagen, Germany, Professor Jörg Keller, University of Hagen, Germany	Analysis and detection of resized images using linear row and column predictors Matthias Kirchner, PhD Student, TU Dresden, Germany
	Countering Phishing with TPM-bound Credentials  Josef von Helden, Professor,	Silicon PUFs in Practice Patrick Koeberl, Principle Investigator,Intel Labs	Privacy Compliant Fraud Screening Ulrich Flegel, Department	Trusted Cloud Computing in Practice Stefan Schröder, Senior Manager Development Financial Accounting	State Transfer for Hypervisor-Based Proactive Recovery of Heterogeneous	Collusion Secure Fingerprint Watermarking for Real

		FH Hannover, Germany	Europe, Ireland		Software, DATEV eG, Germany	Replicated Services	World Applications		
				Engineering and Design, Offenburg University of Applied Sciences, Germany			Marcel Schäfer, Waldemar Berchtold, Martin Steinebach, Sascha Zmudzinski, Stefan Katzenbeisser		
ſ	18.00	Complimentary Drinks R	Reception and Panel Open	Discussion					
	19.00	WORKING TOGETHER: An Open Discussion bringing the end-user, vendor communities and industry specialists together. What can we learn from each other?							

# Outside of official programmme (in English):

### Salon Rome

The Security Innovation Network - Cluster of Clusters
Ulrich Seldeslachts, LSEC - Leaders In Security, Belgium

# Meetings of GI Special Interest Groups (SIGs) commencing 18:00 outside of official programme (in German):

### Salon London 5

SIG Fehlertolerierende Rechnersysteme (FERS, 60 minutes)

Salon London 4

SIG Network Security (NETSEC, 60 minutes)

Salon Vienna

SIG Steganographie und digitale Wasserzeichen (STEWA, 60 minutes)

# Day 2 (6<sup>th</sup> October) 9.00 -Saal Berlin 11.00 Plenary

Keynote: Michael Hange, President, Federal Office for Information Security, Germany Keynote: Jürgen Maurer, Vice President Federal Criminal Police Office, Germany

Panel Discussion: Privacy Aspects of Social Networks

Panellists: Sabine Frank (Managing Director, Voluntary Self-Control Multimedia Service Providers, Germany), Michelle Chibba (Director Policy, Information and Privacy Commission Ontario, Canada), Johannes Mainusch (Vice President Operations, XING, Germany)

SICHERHEIT 2010

Moderation: Marit Hansen, Deputy Chief, ULD, Germany

Coffee Break 11.00 -11.30

ISSE 2010

	155E 2010					SICHERHEIT 2010		
	Track 1	Track 2	Track 3	Track 4	Track 1	Track 2		
11.30 –	Saal Berlin	Salon Vienna	Salon Moscow	Salon Rome	Salon London 5	Salon London 4		
13.00	Biometrics	Security Management,	Smart Grids	Business Strategy Case	Reactive Security	Theory and Practice of		
	Researcher, SAP, Germany	Applications and Economics Chair: Marijke De Soete, Managing Director, Security4Biz, Belgium & SC27 Vice Chair	Chair: Helmut Reimer, Senior Consultant, TeleTrusT, Germany	Study Track	(Special Session) Chair: <i>Michael Meier</i>	Cryptography (Special Session) Chair: Dr Christopher Wolf, Emmy Noether Grant Holder, Ruhr-University Bochum, Germany		
	Biometric Spoofing in the	Overview on ISMS Standards	Secure Smart Grids – Critical	PKI as a Basis for	Iterative Precision-	State-of-the-Art		
	Context of New Travel	(192700y sorios) by 9027	Infractructures need qualified	Information Security - An	aware Signature	Cryptography for Wireless		

rescurence, our , commany	Director, Security4Biz, Belgium & SC27 Vice Chair	Germany			Chair: Dr Christopher Wolf, Emmy Noether Grant Holder, Ruhr-University Bochum, Germany
Biometric Spoofing in the Context of New Travel Documents Günter Schumacher, Senior Scientist, European Commission Joint Research Centre, EU	Overview on ISMS Standards (IS2700x series) by SC27  Angelika Plate, CEO, ÆXIS Security Consultants, Germany	Secure Smart Grids – Critical Infrastructures need qualified Protection Stefan Blum, Senior Managing Consultant, IBM, Germany	PKI as a Basis for Information Security – An Integrated Approach  Karin Loleit, Technical Account Manager, Nexus Technology GmbH, Germany  Hosted by Nexus Technology GmbH	Iterative Precision- aware Signature Generation  René Rietz, Research Assistant, Brandenburg University of Technology, Germany, Sebastian Schmerl, Michael Vogel, Hartmut König	State-of-the-Art Cryptography for Wireless Sensor Networks - A Cryptography Library for MantisOS Björn Stelte, Researcher, Universität der Bundeswehr München, Germany
Visa Applications within the Scope of the Technical Guideline Biometrics for Public Sector Applications  Fares Rahmun, IT Project Manager for Government Information Technology Solutions, German Federal Office of Administration, Germany	ISO 27001 Implementations - Lessons Learnt  Marc Sel, Director, PricewaterhouseCoopers, Belgium	Security Challenges of a Changing Energy Landscape  Marek Jawurek, Research Associate & Martin Johns, Senior Researcher, SAP, Germany	For your Eyes Only - How to Secure Printing, Scanning and Copying  Jens Stark, Manager Information Security & Solutions, Sharp, Germany  Hosted by Sharp	Secure Automotive Data Management: A Concept for Forensically Sound Data Storage Tobias Hoppe, Sönke Holthusen, Sven Tuchscheerer, Stefan Kiltz, Professor Jana Dittmann, University of Magdeburg, Germany	On Security Protocols for Desktop Sharing Ulrich Kühn

Solutions, German Federal Office of Administration, Germany				Kiltz, Professor Jana Dittmann, University of Magdeburg, Germany	
Taking Signatures Seriously -	A Simplified Approach for	Smart Privacy for the Smart	Can you Really Afford to	Towards Secure	Extended Lattice Reduction
Combining Biometric Signatures	Classifying Applications	Grid	Lose your Confidential Data?	Deletion on	Experiments Using the BKZ
and Digital Signatures to Secure			If the Answer is No, then	Smartphones	Algorithm
Various Processes in the	Lenka Fibikova Senior Information	Michelle Chibba, Director	Keep Listening		
	Lerika Fibikova Senior Information	Policy, Information and Privacy			

	Financial Sector  Santiago Uriel Arias, CIO, CECA, Spain	Security Specialist & Roland Müller, CISO, Daimler Financial Services, Germany	Commission Ontario, Canada	Riccardo della Martera, DLP Product Consultant Websense International, Italy Hosted by Websense Deutschland GmbH	Spreitzenbarth, S Thorsten Holz	Michael Schneider, PHD Student, TU Darmstadt, Germany, Johannes Buchmann
13.00 -						
14.30 <b>14.30 -</b>	Lunch Saal Berlin					
15.30	Keynote: Balancing Security ar France	nd Mobility to Achieve Higher Perfor		-	er, Blackberry Security EN	IEA, Research in Motion,
16.00	TeleTrusT innovation Award &	Best Paper Award SICHERHEIT				
16.00 – 16.30	Coffee Break					
16.30 -	Saal Berlin	Salon Vienna	Salon Moscow	Salon Rome	Salon London 5	Salon London 4
18.00	Mobile and Network Security Sponsored by Research In Motion Chair: Marcus Klische, Advisor - BlackBerry Security Group, Research In Motion, Germany	ISMS, Applications and Economics (joint track with ISO/DIN workshop)	Data Leakage Prevention Chair: Wolfgang Schneider, Deputy Institute Director, Fraunhofer Institute SIT, Germany	Study Track	Reactive Security (Specia Session, continued)  Chair: Sebastian Schmerl	Secure Systems  Chair: Joachim Posegga
	Automatic Configuration of Complex IPsec-VPN and Implications to Higher Layer Network Management  Guenter Schaefer, Researcher, TU Ilmenau, Germany	Security Metrics - Using Performance Key Indicators to Proactively Manage Network Security  Rolf Strehle, CISO, Voith AG, Germany	The Converging World of Data Leakage Prevention and Information-Centric Protection Trent Henry, Principal Analyst, Gartner, USA	Supported by Solutions of Secusmart  Dr. Hans-Christoph Quelle, Managing Director, Secusmart GmbH, Germany  Hosted by Secusmart GmbH	Amun: Automatic Capturing of Malicious Software  Jan Göbel, Research Assistant, University of Mannheim, Germany	Identification of (less than) Zero-Day Vulnerabilities  Fabian Schwab, Information Security, Hochschule Bonn-Rhein-Sieg, Germany, Findeisen Alexander, Peter Sakal, Hartmut Pohl
	Security Risk in Mobile Phones  Rick Chandler, BT, UK	Panel: Controversial on ISMS, Applications and Economics Panelists: Edward Humphreys, ISO/IEC JTC SC27 WG1 Convener, UK Angelika Plate, IS2700x Editor, Germany Marc Sel, Director, PWC, Belgium Roland Müller, CISO, Daimler Financial Services, Germany Rolf Strehle, CISO, Voith AG,	A Small Leak will Sink a Great Ship: An Empirical Study of DLP Solutions  Matthias Luft, Thorsten Holz University of Mannheim, Germany	Smartcards?  Christian Schunck, Senior Researcher, Nestor – "Tor Vergata" University of Rome, Italy	Towards Optimal Sensor Placement Strategies for Early Warning Systems  Jan Göbel, Research Assistant, University of Mannheim, Germany Philipp Trinius, Research Assistant, Universität Mannheim, Germany	Why Showing One TLS Certificate is not enough? Towards a Browser Feedback for Multiple TLS Certificate Verifications  Henrich C. Pöhls, Research Assistant (IT- Security), Institute of IT- Security and Security Law - University of

	Germany				Passau, Germany
SCADA and Control System	-	Advanced Security Service	Internet Signs of Quality,	A Malware Instruction Set	WatchCop – Safer
Security: New Standards		cERTificate for SOA	Membership, Trust are Only	for Behavior-Based	Software Execution
Protecting Old Technology			Pictures	Analysis	Through
		Martin Johns, Senior			Hardware/Software Co-
Coatt Howard Trusted Naturals		Researcher, SAP, Germany	Ales Lipicnik, CEO, Inf.	Philipp Tripius Bassarah	Design
Scott Howard, Trusted Network Connect Work Group, Trusted Computing Group, USA			Science Engineer CONNET d.o.o., SLOVENIA  Hosted by SecuCert®	Philipp Trinius, Research Assistant, Universität Mannheim, Germany Carsten Willems, Thorsten Holz, Konrad Rieck	Christian Ristig, René Fritzsche, Dr Christian Siemers, Professor, University of Technology Clausthal, Germany

Meetings of GI Special Interest Groups (SIGs) commencing 18:00 outside of official programmme (in German):

Salon Vienna SIG Privacy Enhancing Technologies (PET, 120 minutes)

Salon London 5 SIG Electronic Commerce (ECOM, 90 minutes)

Salon London 4 SIG Erkennung und Beherrschung von Vorfällen der Informationssicherheit (SIDAR, 90 minutes)

Day 3 (7<sup>th</sup> October)

Day o (	ISSE 2010					SICHERHEIT 2010		
	Track 1	Track 2	Track 3	Track 4	Track 1	Track 2		
9.00 –	Saal Berlin	Salon Vienna	Salon Moscow	Salon Rome	Salon London 5			
10.30	Identity Management Chair: Jon Shamah, EMEA Sales Manager, BBS eSecurity, UK	Technical Aspects of Cloud Security Chair: Jaap Kuipers, Senior Advisor, DigiNotar, The Netherlands	Chair: Marian Margraf, Technical Project Manager, Federal Ministry of the Interior, Germany	Business Strategy Case Study Track	SICHERHEIT 2010 Ke Keynote: <i>Pim Tuyls, In</i> <i>Netherlands</i>			
	Security Analysis of OpenID, Followed by a Reference Implementation of an nPA- Based OpenID Provider Sebastian Feld, Scientific Staff, if(is), Germany	Hitting the IAM Wall?  Marcus Lasance, Principal  Consultant Identity and Access  Management, Verizon Business,  Belgium	Critical Infrastructure in Finance - Recommendations of the European Commission Sponsored PARSIFAL Project Bernhard M. Hämmerli, CEO, Acris GmbH & Henning H. Arendt, President, @bc, Germany	Strong Authentication for the New Era — "ActivIdentity Appliances Makes Multi-Factor Authentication Available for Any Size Company"  Hosted by ActivIdentity  Pascal Boulvais, Director Pre-Sales, EMEA, ActivIdentity, France		Labs, TU Berlin Portmund en, Uni Bonn		
	User Consent for Consumer Identity Maarten Wegdam, Principal Researcher, Novay, The Netherlands	Cloud & SOA Application Security as a Service  Ulrich Lang, CEO, ObjectSecurity, UK	The SPOCS Interoperability Framework: Interoperability of eDocuments and eDelivery Systems Taken as Example  Arnu Tauber, Researcher, IAIK, Austria	The Battle for the Cloud -The Access Frontier -  Rudolf Schucha, Communication Security Consultant, AEP Networks, Germany  Hosted by AEP Networks				
	New Authentication Concepts for a Web Service Based Smart Card Jan Eichholz, Security Consultant, Giesecke & Devrient, Germany	Authentication and Trust: Turning the Cloud Inside out  Christian Brindley, Regional Technical Manager EMEA, VeriSign, UK	STORK: Architecture, Implementation and Pilots Herbert Leitold, Head E-Government Innovation Center, A-SIT, Austria	Don't Trust Your Systems and Networks? Learn How You Can  Brian Berger, Wave Systems, USA & Stephen Hanna, Juniper Networks, USA  Hosted by Trusted Computing Group				
10.30 -	0 " 0 1			<u> </u>				
11.00 11.00 –	Coffee Break Saal Berlin	Salon Vienna	Salon Moscow	Salon Rome	Salon London 5	Salon London 4		
12.30	Identity Management continued	Economic Aspects of Cloud Security	Session continued Chair: Marian Margraf, Federal Ministry of the Interior, Germany	Business Strategy Case Study Track	Models and Metrics for Secure Systems Chair: Melanie	Network Security Chair: Rüdiger Grimm		

	Chair: Jon Shamah, EMEA Sales Manager, BBS eSecurity, UK	Chair: Lucas Cardholm, Director, Ernst & Young, Sweden			Volkamer	
	The Future of eID Security  Walter Fumy, Chief Scientist, Bundesdruckerei, Germany	User Risk Management Strategies and Models – Adaption for Cloud Computing Eberhard von Faber, Security Strategy and Executive, T-Systems, Germany	Secure Networking at German Public e-Health System - Migration Towards an Integrated e-Health Infrastructure Bernhard Weiss, Senior Consultant, secunet Security Networks AG, Germany	E-Mail - Security in the Cloud: Key Trends and Best Practices  JF Sullivan, VP Marketing, eleven, USA  Hosted by eleven	A Fuzzy Model for IT Security Investments Dr Guido Schryen, Professor, Institut für Informatik, Germany	Security Analysis of OpenID  Pavol Sovis, Student, Ruhr-University Bochum, Germany, Florian Kohlar, Jörg Schwenk
	German eID Integration into the Identity Metasystem  Ronny Bjones, Senior Architect, Microsoft, Belgium & Jens Fromm, Fraunhofer FOKUS, Germany	Security and Compliance in Clouds Jan Jürjens, Scientific Coordinator Enterprise Engineering & Kristian Beckers, Fraunhofer ISST, Germany	NIST Electronic Authentication Guidelines, guidelines for federal agencies - benefits of a versatile authentication approach Philip Hoyer, Senior Architect, ActivIdentity, UK	Competence in IT Security: "TeleTrusT Information Security Professional" (T.I.S.P.) Certificate  Birgitte Baardseth, Managing Director, isits AG, International School of IT-Security, Germany  Hosted by TeleTrusT Germany (TeleTrust Deutschland e.V.)	Quantifying the Attack Surface of a Web Application  Thomas Heumann, Sven Türpe, Professor Jörg Keller, University of Hagen, Germany	Session Fixation – the Forgotten Vulnerability?  Michael Schrank, Bastian Braun, Scientific Staff, University of Passau, Germany, Martin Johns, Senior Researcher, SAP Research - CEC Karlsruhe, Germany, Joachim Posegga
	Secure Identity for Online Banking - Business Model and End Users' Benefit (Interview)  Karin Loleit, Technical Account Manager, Nexus Technology GmbH, Germany	Applying the Business Model for Information Security (BMIS) to Cloud Security  Rolf von Roessing, International Vice President, ISACA, USA	Towards a more Comprehensive Framework for eSignatures and Ancillary Services  Olivier Delos, Managing Director, SEALED, Belgium	Session title and speaker tbc Hosted By Kaspersky Lab	Privacy in Online Social Lending  Dr Rainer Böhme, Postdoctoral Fellow, ICSI Berkeley, USA, Stefanie Pötzsch	CAPTCHAs: The Good, the Bad, and the Ugly  Paul Baecher, PhD Student, Darmstadt University of Technology, Germany, Lior Gordon, Marc Fischlin, Michael Lützow, Dominique Schröder
12.30 – 13.30	Saal Berlin  Closing Plenary The Crypto Year in Review - Bart	Preneel, Professor, K.U. Leuven, Belgi	um			
13.30 – 14.30	Lunch					

Please note: this programme is subject to change