

Table of Contents

Terminology

Privacy: What Are We Actually Talking About? A Multidisciplinary Approach	1
<i>Philip Schütz and Michael Friedewald</i>	
Implementability of the Identity Management Part in Pfitzmann/Hansen's Terminology for a Complex Digital World	15
<i>Manuela Berg and Katrin Borcea-Pfitzmann</i>	

Privacy Metrics

Towards a Formal Language for Privacy Options	27
<i>Stefan Berthold</i>	
Using Game Theory to Analyze Risk to Privacy: An Initial Insight	41
<i>Lisa Rajbhandari and Einar Arthur Snekkenes</i>	
A Taxonomy of Privacy and Security Risks Contributing Factors	52
<i>Ebenezer Paintsil and Lothar Fritsch</i>	

Ethical, Social, and Legal Aspects

ETICA Workshop on Computer Ethics: Exploring Normative Issues	64
<i>Bernd Carsten Stahl and Catherine Flick</i>	
Contextualised Concerns: The Online Privacy Attitudes of Young Adults	78
<i>Michael Dowd</i>	
Data Protection, Privacy and Identity: Distinguishing Concepts and Articulating Rights	90
<i>Norberto Nuno Gomes de Andrade</i>	

Data Protection and Identity Management

Oops - We Didn't Mean to Do <i>That!</i> – How Unintended Consequences Can Hijack Good Privacy and Security Policies	108
<i>Thomas P. Keenan</i>	

Supporting Semi-automated Compliance Control by a System Design Based on the Concept of Separation of Concerns	120
<i>Sebastian Haas, Ralph Herkenhöner, Denis Royer, Ammar Alkassar, Hermann de Meer, and Günter Müller</i>	

Security Levels for Web Authentication Using Mobile Phones	130
<i>Anna Vapen and Nahid Shahmehri</i>	

eID Cards and eID Interoperability

Challenges of eID Interoperability: The STORK Project (Keynote)	144
<i>Herbert Leitold</i>	

Necessary Processing of Personal Data: The Need-to-Know Principle and Processing Data from the New German Identity Card	151
<i>Harald Zwingelberg</i>	

A Smart Card Based Solution for User-Centric Identity Management . . .	164
<i>Jan Vossaert, Pieter Verhaeghe, Bart De Decker, and Vincent Naessens</i>	

Emerging Technologies

The Uncanny Valley Everywhere? On Privacy Perception and Expectation Management (Keynote).	178
<i>Bibi van den Berg</i>	

50 Ways to Break RFID Privacy	192
<i>Ton van Deursen</i>	

Privacy for eGovernment and AAL Applications

The Limits of Control – (Governmental) Identity Management from a Privacy Perspective	206
<i>Stefan Strauß</i>	

Privacy Concerns in a Remote Monitoring and Social Networking Platform for Assisted Living.	219
<i>Peter Rothenpieler, Claudia Becker, and Stefan Fischer</i>	

Social Networks and Privacy

Privacy Settings in Social Networking Sites: Is It Fair?	231
<i>Aleksandra Kuczerawy and Fanny Coudert</i>	

Privacy Effects of Web Bugs Amplified by Web 2.0	244
<i>Jaromír Dobias</i>	

Privacy Policies

A Conceptual Model for Privacy Policies with Consent and Revocation Requirements	258
<i>Marco Casassa Mont, Siani Pearson, Sadie Creese, Michael Goldsmith, and Nick Papanikolaou</i>	
Applying Formal Methods to Detect and Resolve Ambiguities in Privacy Requirements	271
<i>Ioannis Agraftotis, Sadie Creese, Michael Goldsmith, and Nick Papanikolaou</i>	
A Decision Support System for Design for Privacy	283
<i>Siani Pearson and Azzedine Benameur</i>	
A Multi-privacy Policy Enforcement System	297
<i>Kaniz Fatema, David W. Chadwick, and Stijn Lievens</i>	

Usable Privacy

Designing Usable Online Privacy Mechanisms: What Can We Learn from Real World Behaviour?	311
<i>Periambal L. Coopamootoo and Debi Ashenden</i>	
PrimeLife Checkout – A Privacy-Enabling e-Shopping User Interface ...	325
<i>Ulrich König</i>	
Towards Displaying Privacy Information with Icons	338
<i>Leif-Erik Holtz, Katharina Nocun, and Marit Hansen</i>	

Obituary

Andreas Pfitzmann 1958-2010: Pioneer of Technical Privacy Protection in the Information Society	349
<i>Hannes Federrath, Marit Hansen, and Michael Waidner</i>	

Author Index	353
---------------------------	-----