

# 8<sup>th</sup> Symposium on Privacy and Security

Tuesday/Wednesday 21/22 October 2003  
Swiss Federal Institute of Technology (ETH) Zurich

## Identity and anonymity in an increasingly interconnected world

- Identity management today and in the future – its importance for companies and public authorities
- User-based identity management – development potential in the user's hands
- Anonymity and responsibility – do we have a right to anonymity, and how far should this right extend?
- SPS Arena: Data protection = criminal protection? Privacy in the face of proliferating security precautions

[www.privacy-security.ch](http://www.privacy-security.ch)

The symposium is made possible by

**ETH**  
Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

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## Target audience

Identity, identity management and anonymity are real and present challenges for all decision-makers, project managers and specialists in the fields of technology, compliance, risk management, human resources, marketing and consultancy, for IT and data protection officers working in business, politics and public administration, as well as for all those who want to learn more about data protection and information security.

## Identity and anonymity in an increasingly interconnected world

<b>Tuesday 21 October 2003</b>	<b>Wednesday 22 October 2003</b>
<b>Identity and identity management in a networked world</b>	<b>Where next for data protection in Europe?</b>
Identity management involves far more than just arranging access authorisation rights and «single sign-on» facilities; but what is identity management really all about and what could it become? What are the benefits for the operators and the identified parties – and what are the costs?	Data protection law is in a state of flux. How will the protection of privacy develop in Europe? What will be the effects of conceptual differences between Europe and the US?
<b>Panel discussion: the future of identity management</b>	<b>Anonymity in a networked world</b>
Do the IT strategies adopted by companies and public authorities need to change in the light of what we have now learnt in practice and from research and development? How likely are the various development concepts to succeed?	Do we have a right to anonymity? How far should this right extend? How can anonymity be ensured in practical terms?
	<b>Panel discussion: Data protection = criminal protection?</b>
	Who is protecting liberty from security? Who is responsible for guaranteeing privacy as an absolute prerequisite for a properly functioning society, state and economic order?
<b>SPS Exhibition&amp;Forum</b>	
Specialist exhibition and presentations by leading companies	

**Symposium language:** German and English with simultaneous interpreting into the other language.



## Patrons

«Privacy and security are key themes in the development of the information and communication society.»

**Federal Councilor Samuel Schmid**, Member of the Swiss Government, Head of the Swiss Federal Department of Defence, Civil Protection and Sports, Berne/Switzerland

**Dr Markus Notter**, Member of the Government of the Canton of Zurich, Head of the Ministry of Justice and of the Interior of the Canton of Zurich, Zurich/Switzerland

**Prof Olaf Kübler**, President of the Swiss Federal Institute of Technology Zurich, Zurich/Switzerland

**Prof Peter Forstmoser**, University of Zurich, Chairman of the Board of Directors of Swiss Re, Zurich/Switzerland



## Programme

Tuesday 21 October 2003

### Identity and identity management in an increasingly interconnected world

Without proper identity management there can be no e-business and no e-government. Everybody talks about identity management, but nobody can agree on what it actually means. It involves far more than just arranging access rights and «single sign-on» facilities – but what is identity management really all about and what could it become? What are the benefits for the operators and the identified parties – and what are the costs?

- **Do the IT strategies adopted by companies and public authorities need to change in the light of what we have now learnt in practice and from research and development?**

Companies and public authorities are caught in a dilemma. On the one hand there is a need to protect business interests by implementing high quality identification and authorisation procedures (information security, no access for unauthorised persons), as well as a requirement to comply with the provisions of the law (eg anti-money-laundering legislation). On the other hand there is a justifiable need to ensure that processes – and thus cost structures – are not overloaded and that user-friendliness does not suffer too much.

Another conflict is developing between the interests of those operating identity management systems, and those of the users. These users, as authorised persons, may want to access resources in different contexts and roles, and to exercise their rights and fulfil their obligations without having to abandon control of their identity(ies) or of the associated data; in some cases such users may even want to remain anonymous.

- **How much «identity» can privacy bear?**

Some of the key questions raised here are: What is the significance of identity management for companies and public authorities? How do the various concepts of identity management differ from each other? What is being researched, what is actually in use? How well are the different concepts suited to different organisational contexts? What will the future bring for identity management? Who actually controls identities? How much «identity» is required to guarantee security (of information)?

From 08.30	Check-in, coffee, opportunity to visit the «SPS Exhibition&Forum»
09.15	<p><b>Opening</b></p> <p><i>Dr Christian Huber, President of the Government of the Canton of Zurich, Head of the Ministry of Finance, Zurich/Switzerland</i></p>
<b>SPS Update: Background – terms – concepts</b>	
09.30	<p><b>Identity in the age of digitalisation</b></p> <p><i>Prof Dr phil. Otfried Höffe, Professor of Philosophy at the University of Tübingen/Germany</i></p> <p>To what extent can the new, somewhat fashionable concept of identity be reconciled with the rather more traditional concept of the person? From the legal point of view, persons are defined principally by their self-determination, self-responsibility and axiomatic need for protection: To what extent does digitalisation serve self-determination, and to what extent does it harm it? In an age of globalisation, which intercultural criteria (eg human rights) can be used to combat this risk?</p>
10.15	Coffee break, opportunity to visit the «SPS Exhibition&Forum»
10.45	<p><b>Identity: the greatest challenges</b></p> <p><i>Prof Dr Hansjürgen Garstka, Commissioner for Data Protection and Freedom of Information of the State of Berlin, Berlin/Germany</i></p> <p>What are today's – and tomorrow's – key questions with regard to identity and identity management? Whose interests – business, the state, the individual – are at stake? Where do the greatest challenges lie in this multipolar conflict of interests?</p>
11.30	<p><b>Identity management: Terms – concepts</b></p> <p><i>PD Dr Hannes P. Lubich, Reader ETH Zurich, IT Security Strategist, Computer Associates AG, Kloten/Switzerland</i></p> <p>What do we mean by identity management? What are the fundamental differences between user-based identity management and the identity management used by companies and public authorities for IT-supported processes and business procedures? How do the various concepts put forward by Virtual Identity Providers differ from each other and from other concepts? How well are the different solutions suited to different organisational contexts? How can we impose some kind of order on the various terms and ideas associated with identity management?</p>
<b>SPS Lab: A look into the research laboratory</b>	
12.00	<p><b>User-based identity management</b></p> <p><i>Dipl. Inform. Marit Hansen, Schleswig-Holstein Independent Centre for Data Protection, Kiel/Germany</i></p> <p>What is «user-based identity management»? How do the concepts behind the various systems differ? How can one develop such systems? What tools are already available? What are the drivers for identity management? How might identity management develop in future if privacy is to be protected?</p>
12.30	Buffet lunch, opportunity to visit the «SPS Exhibition&Forum»

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## SPS Solutions: A look at companies and public authorities

## 13.45 Identity management and the state: The «Citizen Card»

*Walter Landvogt, Project Manager, Bundesdruckerei GmbH, Berlin/Germany*

Signature cards with verified signature certificates already offer citizens the opportunity to conduct legally binding transactions with the authorities, but they are not entirely suitable for establishing a person's identity: Will the Citizen Card, with its integrated data registry, be able to solve the problem? What has been learnt from the pilot projects conducted in selected German towns? Can such a card meet the needs of business? How readily will citizens themselves accept the card?

## 14.05 Identity management in a financial services company

*Dr Ralph Holbein, Chief Information Security Officer, Credit Suisse Financial Services, Zurich/Switzerland*

What does a financial services company require of an identity management system? What (legal) parameters have to be taken into account? How does identity management work in practice in a globally active company, and what technical systems are required to support it? What benefits can be delivered by technical system components, and what are the cost implications? How are things likely to develop in future?

## 14.25 Identity management: development potential and success factors

*Wolfgang Schütz, Senior Partner, PricewaterhouseCoopers AG, Lausanne/Switzerland*

What technologies and processes lie at the heart of identity management architecture? What benefits and what cost implications can we expect of identity management in a corporate setting? What are the typical mistakes made in a large-scale identity management project (case study) and how can they be avoided?

## 14.45 Coffee break, opportunity to visit the «SPS Exhibition&amp;Forum»

## SPS Arena: The identity management debate

## The future of identity management

## 15.15 Panel discussion

Includes **introductory statements** on Virtual Identity Providing by representatives of Microsoft and the Liberty Alliance: How do Microsoft Passport and the Liberty Alliance concept work? Do providers have a potentially lucrative business model? Why should individuals be persuaded to use this platform? How are privacy and security guaranteed?

Moderator:

*Dr Pierre Brun, Partner, PricewaterhouseCoopers AG, Zurich/Switzerland*

Participants:

*Prof Dr Hansjürgen Garstka*

*PD Dr Hannes P. Lubich*

*Dipl. Inform. Marit Hansen*

*Dr Ralph Holbein*

*Walter Landvogt*

*Representative of Microsoft*

*Representative of the Liberty Alliance*

*Dr David Chaum, inventor of digital cash, Los Angeles/USA*

What is identity management today, and what could it become in the future? What are the benefits for the operators and the identified parties – and what are the costs? What are the prospects for user-based identity management and Virtual Identity Providers?

- **Do the IT strategies adopted by companies and public authorities need to change in the light of what we have now learnt in practice and from research and development?**

## 16.30 End

Coffee break, opportunity to visit the «SPS Exhibition&Forum»

From 08.30 Check-in, coffee, opportunity to visit the «SPS Exhibition&Forum»

09.15 Welcome address

### SPS Outlook: Prospects for data protection

#### Where next for data protection in Europe?

Data protection law is in a state of flux. The fact that technological, social and economic development has outstripped legislation casts doubt on the efficacy of existing rules.

- **How will the protection of privacy develop in Europe? What effect will the conceptual differences between Europe and the US have?**

09.30 Data protection at crossroads?

*Peter Johan Hustinx, Chairman of the Dutch Data Protection Authority, The Hague/Netherlands*

How will data protection develop further in Europe and in the European Union? Will law and technology interact effectively in order to protect privacy and how? Will the European concept stand the test or will there be an adjustment to the American concept?

10.15 Coffee break, opportunity to visit the «SPS Exhibition&Forum»

### SPS Update: Background – parameters – concepts

#### Anonymity in an increasingly interconnected world

The more the worlds of work and leisure become networked, the more clients and citizens want to be able to buy and use services anonymously. Being able to satisfy this demand is a distinct competitive advantage. How can companies and public sector authorities meet clients' and citizens' demand for anonymity, or at least pseudonymity without compromising their own interests? How can businesses or public authorities implement anonymity and pseudonymity solutions?

- **Do we have a right to anonymity? How far does this right go – with regard to accountability, for example, or (criminal) responsibility?**

10.45 The co-existence of privacy and identity in a digital world

*Prof Joel R. Reidenberg, Professor of Law, Fordham University School of Law, New York/USA*

Should there be a right to anonymity? Under what circumstances? Does complete anonymity exist or is there only an anonymisation guaranteed by a trusted party or system architecture?

11.30 Anonymity and responsibility

*Dr Valentin Roschacher, Swiss Attorney General, Federal Attorney General's Office, Berne/Switzerland*

To what extent do anonymity and pseudonymity get in the way of criminal prosecution? Can anonymity and pseudonymity make criminal investigations and prosecutions easier (eg virtual investigations)? Taking into account the needs of criminal prosecution on the one hand and privacy on the other, how far should a right to anonymity extend?

12.15 Buffet lunch, opportunity to visit the «SPS Exhibition&Forum»

13.30 Privacy Technology: From Anonymity to Identification

*Dr David Chaum, inventor of digital cash, Los Angeles/USA*

Is there a human need for anonymity and privacy and is this related to technological change? How can technology provide anonymity and pseudonymity? What is the role of cryptography in such systems? How can electronic elections let voters verify that their votes have been counted correctly while keeping votes private? How can electronic cash provide better privacy and at the same time better protection against criminal use of payments?

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## 14.15 Is anonymity possible in practice?

**Dr Michael Waidner**, Institute Executive at the IBM Privacy Research Institute, IBM Research Lab Zurich, Rüschlikon/Switzerland

What role can anonymity and pseudonymity play in data protection in real situations? Anonymity does not solve all the problems of data protection: How does anonymity fit in with a comprehensive technical data protection concept? What are the current research trends at IBM and elsewhere? Will (more) anonymity be a feature of real applications?

## 14.45 Coffee break, opportunity to visit the «SPS Exhibition&amp;Forum»

## SPS Arena: The data protection debate

## Data protection = criminal protection?

## 15.15 Panel discussion

Moderator: **Hannes Britschgi**, Editor-in-Chief of FACTS, Zurich

## Participants

**National Councillor Christine Egerszegi-Obrist**, Mellingen/Switzerland

**Prof Dr Marcel A. Niggli**, Professor of Criminal Law, University of Fribourg/Switzerland

**Dr Valentin Roschacher**, Swiss Attorney General, Berne/Switzerland

**National Councillor lic. iur. Anita Thanei**, Lawyer, President of the National Council's Legal Committee, Zurich/Switzerland

**lic. iur. Hanspeter Thür**, Federal Commissioner for Data Protection and Lawyer, Berne and Aarau/Switzerland

Not least as a consequence of the terror attack of 11 September 2001, security concerns are currently given far greater weight than concerns about protecting privacy. Monitoring of communications, video surveillance, face recognition, disclosure of air passenger data, projects like Total Information Awareness (or more recently Terrorist Information Awareness) – are these just part of a temporary swing of the pendulum, or has there been a permanent shift in emphasis? Who is protecting liberty from security? How can we ensure that privacy is not sold short every time relative interests are weighed up? Who can guarantee privacy as an absolute prerequisite for a society based on individual responsibility, for the democratic state and for an economic order based on competition and contractual freedom?

- **Who is protecting liberty from security?**

## 16.30 End

Drinks, opportunity to visit the «SPS Exhibition&Forum»

«The Symposium on Privacy and Security is intended to offer the fields of science, business, administration and politics an international platform for the discussion of the key themes of privacy and security.»

**Dr Bruno Baeriswyl**

*President of the foundation council, privacy commissioner for the Canton of Zurich, editor of the magazine digma, Zurich/Switzerland*

**Prof Dr Ueli Maurer**

*Member of the foundation council, professor of computer science and head of the Information Security and Cryptography Research Group, Swiss Federal Institute of Technology (ETH) Zurich, Zurich/Switzerland*

**Dr Beat Rudin**

*Member of the Foundation Council, Managing Director of the Symposium on Privacy and Security, lecturer at the University of Basle, editor of the magazine digma, Basle/Switzerland*

 **Advisory Board**

«We support the foundation so that in future the most contemporary and relevant topics for society and the economy can be taken up and addressed in depth by first-class speakers.»

**Dr Pierre Brun**, PricewaterhouseCoopers AG, Partner, Zurich/Switzerland

**Prof Alfred Büllesbach**, DaimlerChrysler AG, Chief Officer Corporate Data Protection, Stuttgart/Germany

**Martin Fricker**, Swiss Re, Group IT Security Officer, Zurich/Switzerland

**Prof Hansjürgen Garstka**, Commissioner for Data Protection and Freedom of Information of the State of Berlin, Berlin/Germany

**Dr Hannes P. Lubich**, Reader ETH Zurich, IT Security Strategist, Computer Associates AG, Kloten/Switzerland

**Dr Armgard von Reden**, IBM, Chief Privacy Officer for IBM Europe Middle East Africa, Berlin/Germany

**Alexander Stüger**, Microsoft Switzerland GmbH, General Manager, Wallisellen/Switzerland

**Walter Widmer**, UBS AG, Head of IT Security CH, Zurich/Switzerland

 **Organisation****Date**

Tuesday 21 October 2003 / Wednesday 22 October 2003

**Venue**

Auditorium Maximum, Swiss Federal Institute of Technology (ETH), Main Building, Rämistrasse 101, 8006 Zurich

**Fees**

- Symposium on Privacy and Security  
21/22 October 2003  
CHF 980.00 (plus 7.6% VAT on CHF 160.00)
- Individual days:  
only 21 October 2003 or only 22 October 2003  
CHF 590.00 (plus 7.6% VAT on CHF 80.00)

**All fees include:**

admission to relevant event, admission to the trade exhibition «SPS Exhibition&Forum», symposium documentation, refreshments, buffet lunch

**Discounts** (cannot be combined)

- 10% Participants in SPS 2001 and/or SPS 2002
- 10% Early booking (registrations received by 31 August 2003 at the latest)

**Information**

Foundation for Privacy and Information Security, Geschäftsstelle, Kirschgartenstrasse 7, P.O. Box, CH-4010 Basle/Switzerland  
Tel. +41 (61) 270 1770, Fax +41 (61) 270 1771,  
symposium@privacy-security.ch, www.privacy-security.ch

**Registration**

Deadline for registration: 6 October 2003

**Online registration [www.privacy-security.ch](http://www.privacy-security.ch)**

or using attached registration form.

Invoice will be sent out on receipt of registration. Places are limited. Registrations will be considered on a first-come, first-served basis.

**Cancellations**

50% of fees reimbursed if registration is cancelled between 22 September and 6 October 2003. No refunds will be made for cancellations after this date. Participation is transferable.

**How to get there**

There are only a few parking spaces available around the ETH Zurich. The symposium venue can easily be reached by public transport ([www.ethz.ch/search/directions\\_en.asp](http://www.ethz.ch/search/directions_en.asp)):

- From Zurich's main station (Bahnhofplatz tram stop) by tram no. 10 (towards Seebach) or from the main station (Bahnhofstrasse tram stop) by tram no. 6 (towards Zoo), get off at the ETH/Universitäts-spital stop; or from Central by Polybahn to the Polyterrasse
- Arrival by plane: Take the train from Zurich Airport to Zurich main station (takes about 8 minutes).

**Hotels**

Hotels can be reserved through Zurich Tourism [www.zuerich.com](http://www.zuerich.com), E-Mail: [hotel@zuerich.com](mailto:hotel@zuerich.com)  
Tel. +41 (1) 215 4040  
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**Trade fair and forum**

The Symposium on Privacy and Security offers leading companies an opportunity to present their products and services during the whole event as part of this integrated trade fair, as well as to feature their solutions in special presentations.

The latest schedule of presentations and the full list of exhibitors will be available from mid-September at

[www.privacy-security.ch](http://www.privacy-security.ch)

«SPS Exhibition&Forum» organisation, information and registration:



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Additional information: [www.privacy-security.ch](http://www.privacy-security.ch)  
 German language version: [www.privacy-security.ch](http://www.privacy-security.ch)

SPS Registration

I would like to attend the Symposium on Privacy and Security on 21/22 October 2003 in the Auditorium Maximum at the ETH Zurich.

Mrs       Mr

Surname \_\_\_\_\_ First name \_\_\_\_\_ Academic title \_\_\_\_\_

Company, organisation \_\_\_\_\_

Position \_\_\_\_\_ Address \_\_\_\_\_

City, post code \_\_\_\_\_ E-mail \_\_\_\_\_

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Date \_\_\_\_\_ Signature \_\_\_\_\_

**Symposium on Privacy and Security**

Whole symposium, 21/22 October 2003  
 CHF 980.00 (plus 7.6% VAT on CHF 160.00)

**Individual days**

- First day only: 21 October 2003  
 CHF 590.00 (plus 7.6% VAT on CHF 80.00)
- Second day only: 22 October 2003  
 CHF 590.00 (plus 7.6% VAT on CHF 80.00)

**Discount**

I attended the Symposium on Privacy and Security in 2001 and/or 2002

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or send the registration form to:

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# Symposium on Privacy and Security

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Date for your diary:  
9<sup>th</sup> Symposium on Privacy and Security 2004: 15/16 September 2004