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IFIP/SEC '97

13th International Information Security Conference IFIP/SEC '97

IT Security in Research and Business - Maturing Towards the Future

Copenhagen 14 - 16 May, 1997
13 May, Working Groups

Coopers &Lybrand
Unibank-fonden
KPMG
Bull
IBM
Computer Associates
Software superior by design

Practical Information

Conference Venue

Hotel Scandic Copenhagen
Vester Søgade 6
1601 København V
Telephone: 3314 3535
Telefax: 3332 1223

Conference Secretariat

Before and after the Conference
International Conference Services A/S
P.O. Box 41
Strandvejen 171
DK-2900 Hellerup
Denmark
Telephone: 3946 0500
Telefax: 3946 0515

During the Conference
International Conference Services A/S
C/O Hotel Scandic Copenhagen

Namebadge - Colour codes

During the Conference the following colours will be used
White: Delegates
Blue: Speakers
Grey: TC11-members and the Local Organising Committee
Pink: Accompanying Persons and Members of the Press

On the 14th and 15th of may all participants will have free admision to The Tivoli Gardens. The Congress badge gives you admission.

Conference Hotels	**Telephone**
Hotel Scandic Copenhagen	3314 3535
Hotel Copenhagen Crown	3121 2166
Hotel Alexandra	3314 2200
Hotel St. Thomas	3121 6464

Rules & Regulations
For rules and regulations regarding registration fees, entitlements, cancellations, hotelreservations etc. we refer to the Second Announcement.

Liability and Insurance
Neither the organisers nor International Conference Services A/S will take on any responsibility whatsoever for injury or damage involving persons or property during the Conference. Participants are advised to take out their own personal insurance.

Organisation

Conference General chair:
Jan Carlsen, Coopers & Lybrand

Programme Committee:
Louise Yngström, Stockholm University Sweden (chair)
Mads Bryde Andersen, University of Copenhagen , Denmark
Svein Knapskog, University of Trondheim, Norway
Kasa Nyber, Finnish Defense Forces, Helsinki, Finland
Reinhard Porsch, Graz University of Technology, Austria
György Papp, Prime Ministers Office, Budapest Hungary
Sokratis Katsikas, University of the Aegean, Athens, Greece
Hilary Hosmer, Data Security Inc. Bedford, USA
Bill Caelli, Queensland University of Technology, Brisbane, Australia
Basie von Solms, Rand Afrikaans University, Johannesburg, South Africa
Gerard Tann Wee Seng, Coopers & Lybrand, Singapore

Organizing Committee:
Jan Carlsen, Coopers & Lybrand (chair)
Tony Franke, Danish Data Association
Stig Folkmar Andersen, Kommunedata
Knud E. Kristiansen, SDC
Aage Melbye, Danish Data Association

Working Groups:

Tuesday, May 13

There will be an announcement posted in the Conference area specifying in which rooms the Working Groups meetings will be held.

WG 11.1: Information Security Management

- The Future
Rossouw von Solms

Starting at 09:00 - finish at the latest 13:30

WG 11.2: Small Systems Security

- Component of a Secure Infrastructure
Jan Eloff

Starting at 13:30 - finish at the latest at 17:30

WG 11.8: Information Security Education

- Current and Future Needs
Louise Yngström

Starting at 13:30 - finish at the latest at 17:30

Final Programme

Wednesday, May 14

09:00 Welcome **Session Chair: Jan Carlsen**

* Organising Chair - Jan Carlsen
* Programme Chair - Louise Yngström
* TC11 Chair - Sebastian von Solms

09:40 Official Opening

President of Danish Data Association, Allan Fischer-Madsen

10:10 Invited speaker

"Information Security - Challenges For The Next Millenium"
Managing Director Alan Stanley, European Security Forum, London

10:50 Coffee Break

11:20 Parallel Sessions

A: Security Models **Session Chair: George Fairall**

"Selection of Secure Single Sign-on Solutions for Heterogeneous Computing Environments"
Presented by C.P. Louwrens, Nedcor Bank Ltd., South Africa

"A Harmonized Development Model for Information Security"
Presented by J. Leiwo, Monach University, Australia

B: Secure Data Bases **Session Chair: Jan Eloff**

"A Compile-time Model for Safe Information Flow in Object-Oriented Databases"
Presented by E. Gudes, Ben-Gurion University, Israel

"Deriving Authorizations from Process Analysis in Legacy Information Systems"
Presented by S. Castano, University of Milano, Italy

12:20 Lunch

13:20 Invited Speaker **Session Chair: Reinhard Posch**

"The Role of Government in Creating the IT infrastructure: Builder or Bystander?"
Professor Mads Bryde Andersen,, University of Copenhagen, Denmark

14:00 Parallel Sessions

A: Information Security Standards **Session Chair: David Batchelor**

"Code of Practice: A Standard for Information Security Management"
Presented by L. Kwok, City University of Hong Kong, Hong Kong

B: Secure API's **Session Chair: György Papp**

"gGSS-API: A Group Enhanced Generic Security Service"
Presented by A.C.M. Hutchison, Cape Town University, South Africa

C: Risk Management **Session Chair: Richard Baskerville**

"Can Security Baselines Replace Risk Analysis ?"
Presented by R. von Solms, Port Elizabeth Technikon, South Africa

14:30 Coffee Break

15:00 Panel Discussion **Moderators: Svein Knapskog & Sokratis Katsikas**

Standardisation in IT-security

Panellists:	Chris Mitchell	ISO SC27
	Kåre Presttun	ETSI
	To be announced	ECMA

16.15 The Internet Revolution Shaping the Future Session Chair: S. Katsikas
Presented by Chris Holloway, IBM

19:00 Evening Reception at the Copenhagen City Hall

Final Programme

Thursday, May 15

09:00 Invited speaker **Session Chair: William Caelli**

"A United Approach to the IT-Society. On Electronic Identity Cards and Infrastructures"
Senior Vice President Håkan Jansson, Ericsson, Sweden

09:40 Parallel Sessions

A: Intrusion Detection **Session Chair: Knud E. Kristiansen**

"An Attack Detection System for Secure Computer Systems - Outline for the Solution"
Presented by S. Katsikas, University of the Aegean, Greece

B: Legal Issues **Session Chair: Aage Melby**

"Electronic Document Exchange in Sweden - the Legal Aspects"
Presented by P. Furberg, Independent Legal Advisor, Sweden

C: IT Security Education **Session Chair: Miquel Tuset**

"A Taxonomy and Overview of Information Security Experiments"
Presented by L.J. Janczewski, The University of Auckland, New Zealand

10:20 Coffee Break

10:40 Parallel Sessions

A: Privacy **Session Chair: John Beatson**

"Pseudonymous Audit for Privacy Enhanced Intrusion Detection"
Presented by M. Sobirey, Brandenburg University of Technology at Cottbus, Germany

"Individual Management of Personal Reachability in Mobile Communication",
Presented by M. Reichenbach, University of Freiburg, Germany

B: Evaluation & Accreditation **Session Chair: Sokratis Katsikas**

"A Common Criteria Framework for the Evaluation of Information Technology Systems Security"
Presented by R. Kruger, Rands Afrikaans University, South Africa

"A Methodology for Accrediting a Commercial Distributed Database"
Presented by R. Körner, Rands Afrikaans University, South Africa

C: Trusted Systems **Session Chair: Leon Strouss**

"A Reference Framework for Certification Authorities/Trusted Third Parties"
Presented by A. van Rensburg, IBM, South Africa

"How to Trust Systems"
Presented by S.J. Knapskog, University of Trondheim, The Norwegian Institute of Technology, Norway

11:45 Lunch

12:45 Invited speaker **Session Chair: Sebastian von Solms**

"Retrospectives and Emerging Insights on IT Security"
Dr. Willis H. Ware, Rand Corporation, USA

13:30 Parallel Sessions

A: Developing Secure Applications **Session Chair: Rossouw von Solms**

"Intergrating Information Security in the Development of Telematics Systems"
Presented by O. Tettero, Telematics Research Centre, The Netherlands

"Developing Secure Applications. A Systematic Approach"
Presented by C. Eckert , Munich University of Technology, Germany

B: Secure Business Applications **Session Chair: Juhu Miettienen**

"Controlling Internet Access at PE Technikon SA"
Presented by H. van de Haar, Port Elizabeth Technikon, South Africa

"Analysis of Java Security and Hostile Applets"
Presented by K. Brunnstein, University of Hamburg, Germany

C: Security Management **Session Chair: Simone Fischer-Hübner**

"New Organizational Forms for Information Security Management"
Presented by R. Baskerville, Binghamton University, USA

"Security When Outsourcing: Concepts, Constructs, Compliance"
Presented by E.R. Lindgreen, KPMG, The Netherlands

14:35 Coffee Break

15:00 Panel Discussion

Advances in Cryptopolicy **Moderator: Sebastian von Solms**

Panel:

David Herson, DG XIII, EU
Nigel Hickson, DTI, UK
Per Kaijser, Siemens, Germany
Phillippe Dejan, France
Willis Ware, Rand, USA
Reinhard Posch, TC-11

19:00 Evening Gala Dinner in Tivoli

Gala Dinner at Restaurant "Påfuglen"

The Kristian Beckman Award & Best Student Paper Award

Final Programme

Friday, May 16

09:00 Invited Speaker **Session Chair: William List**

"Towards an Holistic View of Enterprise ICT Security and Safety"
Professor Klaus Brunnstein, University of Hamburg, Germany

09:40 Plenum

"A Taxonomy of Electronic Cash Schemes"
Presented by W. Caelli, Quensland University of Technology, Australia

10:30 Coffee Break

11:00 Parallel Sessions

A: Secure Health Care Systems **Session Chair: Helen Fillery-James**

"Security Requirements and Solutions in Distributed Electronic Health Records"
Presented by B. Blobel, University of Magdeburg, Germany

"ODESSA - A new approach to healthcare risk analysis"
Presented by M.J. Warren, University of Plymouth, UK

"A Comprehensive Need-to-Know Access Control System and its Application for Medical Information Systems"
Presented by R. Holbein, University of Zürich, Switzerland

B: Secure Communications and Networks **Session Chair: Hartmuth Pohl**

"Securing Communications over ATM Networks"
Presented by M. Laurent, ENST, France

"Non-intrusive Authentication"
Presented by A. Lioy, Politecnico de Torino, Italy

"Roaming Security Agents Enabling Intelligent Access Control and Network Protection"
Presented by P.W.J. van Zyl or S.H. von Solms, Rand Afrikaans University, South Africa

C: Secure Commercial Applications **Session Chair: Michel Dupuy**

"A Protocol for Large Scale Elections by Coordinating Multiple Electoral Colleges"
Presented by A. Riera, Universitat Autònoma de Barcelona, Spain

"Legal Issues Raised wwith the Introduction of the Swedish Customs Information System"
Presented by U. Rolander, Swedish Customs, Sweden

"MVS-SAT: A Security Administration Tool to support SMF Protocol Data Evaluation"
Presented by C. Eckert, Munich University of Technology, Germany

12:30 Invited Speaker **Session Chair: Louise Yngström**

"The Future of Networks and Network Security"
Presented by Ruth Nelson, President of Information System Security, USA

13:15 Closing Session

Good-bye from the Organising Chair
Welcome to SEC'98 Vienna/Budapest
Good-bye from TC11 Chair

14:00 Lunch

Social Events

Wednesday 14 May, 18.30 -21.00 hrs
Reception at the Copenhagen City Hall. The Reception is hosted by the Mayor of Copenhagen. Admission upon invitation only, which is enclosed in the Conference material.

Thursday 15 May, 19.00 hrs
Gala Dinner in The Tivoli Gardens. The Gala Dinner will take place at the Restaurant Påfuglen. Price: DKK 400

Admission to Tivoli
During the Conference from 12 May to 16 May, all participants of the Conference have free admission into the Tivoli Gardens. Please identify yourself to the guard at the Main Entrance of Tivoli, Vesterbrogade 3, by showing him your Conference badge.

Tour programme

Thursday 15 May, 9.00 - 16.00 hrs
Price DKK 700, included in the Accompanying persons registration fee. Additional Tickets may be purchased at the Registration Desk.
Sight-seeing tour of North Zealand, which will highlight the area North of Copenhagen, with it's many historic royal castles and places. Lunch will be served at the Louisiana Museum of Modern Art. The tours is guided in English. The sight-seeing tour will depart from Hotel Scandic Copenhagen.