

Eighth International Information Security Conference and Exhibition

Raffles Convention City • Singapore •

May 27 - 29 1992



Organisers:
Technical Committee 11,
International Federation for
Information Processing (IFIP)
Singapore Computer Society

Managed by:
HQ Link Pte Ltd.

Co-Sponsors:
National Computer Board
Singapore Federation of Computer
Industry
Microcomputer Trade Association
(Singapore)
EDP Auditors Association,
Singapore Chapter

Organising Committee:
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Robert Moeller, U.S.A.
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Martin Kratz, Canada
David Batchelor, Canada

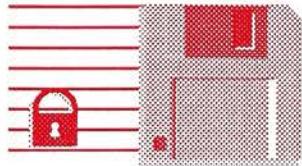
Europe/South Africa
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David Lindsay, U.K.
Andreas Pfitzmann, Germany
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Saari Juhani, Finland
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Tsuneo Kurakawa

Australia/Pacific Region
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Angela Goh, Singapore
Kish Ranai, Singapore
Fabian Ng, Singapore

Unix Systems
James Clark (Coord.)

Announcement and Call for Papers



The 1992 International Federation for Information Processing Security Conference (IFIP/Sec '92) aims to provide a forum for the interchange of ideas, research results, and development activities and applications, amongst academicians and practitioners in the information, computer and systems sciences. The conference is jointly organised by the IFIP Technical Committee 11 and the Singapore Computer Society (SCS).

Scope of the Conference

The theme for the IFIP/Sec '92 conference is:
"Security and Control - From Small Systems to Large".

Papers are invited in the areas shown below and may be theoretical, conceptual, tutorial or descriptive in nature. Submissions must not have been previously published and must be the original work of the author(s). Possible topics of submission include, but are not restricted to :

Auditing the small systems environment	Auditing workstations
PC and microcomputer security	Database security
Security and control of LANs and WANs	OSI security and management
Electronic Data Interchange security	GOSIP - Goverment OSI
Legal response to computer crime/privacy	Software protection rights
Data security in developing countries	Trans-border data flows
Risk assessment and management	
Profile/Biometric systems for access control	
Management and control of cryptographic systems	
Security in high performance transaction systems	
Smart cards for information systems security	
ITSEC (IT Security Evaluation Criteria - the whitebook)	

Paper Submission

Authors should submit three copies of the full paper, consisting of 22-26 double-spaced, typewritten pages, including diagrams (approximately 5,000 words) to:

Mr Guy Gable
Program Committee Chairman
c/o Singapore Computer Society
71 Science Park Drive
Singapore 0511
Telephone: (65) 772-2864 Telefax: (65) 779-4580 E-mail: iscguygg@nusvm

All materials must be in English and papers must be presented by one of the authors in order to be included in the proceedings. The first page of the manuscript should include:

Title of the paper
Authors (names and affiliations) including student status
Contact (name, complete postal address, phone, fax, e-mail)
Keywords (including category classification for paper)
Abstract (approximately 300 words).

Diskettes and electronically transmitted papers will not be accepted. All papers presented at the conference will be included in the proceedings to be published by Elsevier Science Publishers B. V. (North-Holland). Papers will be reviewed by an international panel. To facilitate the blind review process, the author(s)' particulars should only appear on the separate title page.

Important Dates:

Deadline for paper submission: December 1, 1991
Notification of acceptance: March 1, 1992
Final camera-ready manuscript due: April 15, 1992

CONVENTION CITY SINGAPORE

*First Announcement
and
Call for Papers*

IFIP/ Sec '92 *International Conference* on *Computer Security*

May 27 - 29, 1992

Raffles City Convention Centre
Singapore

Organised by:
Singapore Computer Society
International Federation of Information Processing
Technical Committee 11

Sponsored by:



National Computer
Board, Singapore



Singapore Federation of
Computer Industry

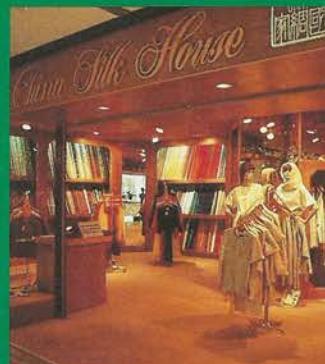
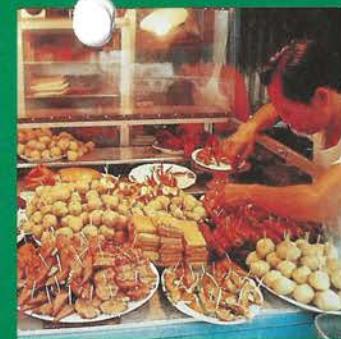
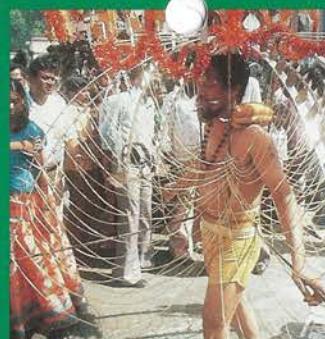


Microcomputer Trade
Association of
Singapore



EDP Auditors' Association
Singapore Chapter

Official Hotel : Westin Stamford and Plaza



The Conference

The purpose of the 1992 International Federation for Information Processing Security Conference (IFIP/Sec '92) is to provide a forum for the interchange of ideas, research results, and development activities and applications amongst academicians and practitioners in the information, computer and systems sciences. IFIP/Sec '92 will consist of advance seminars, tutorials, open forums, distinguished keynote speakers, and the presentation of high-quality accepted papers. A high degree of interaction and discussion amongst conference participants is expected, as a workshop-like setting is promoted.

The Organisers

The conference is jointly organised by the IFIP Technical Committee 11, on Security and Protection and the Singapore Computer Society (SCS). It is also sponsored by the National Computer Board (NCB), the Singapore Federation of Computer Industry (SFCI), Microcomputer Trade Association of Singapore (MTAS) and the EDP Auditors' Association (EDPAA), Singapore Chapter.

Who should Attend?

This conference is intended for computer security researchers, managers, advisors, EDP auditors from government and industry, as well as other information technology professionals interested in computer security. Presenters of papers will pay a reduced conference fee.

Conference Dates : May 27 - 29, 1992

**Location : Raffles City Convention Centre
Singapore**

Conference Theme

The theme for IFIP/Sec '92 is:

Computer Security and Control : From Small Systems to Large

Scope

Eighth in a series of conferences devoted to advances in data, computer and communications security management, planning and control, this conference will encompass developments in both theory and practice. Papers are invited in the areas shown and may be theoretical, conceptual, tutorial or descriptive in nature. Submitted papers will be refereed, and those presented at the Conference will be included in the Conference proceedings. Submissions must not have been previously published and must be the original work of the author(s).

Possible topics of submissions include, but are not restricted to:

- o Auditing the Small Systems Environment
- o Auditing Workstations
- o PC and Microcomputer Security
- o Security and Control of LANs and WANs
- o OSI Security and Management
- o GOSIP - Government OSI Profile
- o Electronic Data Interchange Security
- o Management and Control of Cryptographic Systems
- o Security in High Performance Transaction Systems
- o Data Security in Developing Countries
- o Software Property Rights
- o Trans-border Data Flows
- o ITSEC (IT Security Evaluation Criteria - The Whitebook)
- o Database Security
- o Risk Assessment and Management
- o Legal Response to Computer Crime/Privacy
- o Smart Cards for Information Systems Security
- o Biometric Systems for Access Control

The Refereeing Process

All papers and panel proposals received by the submission deadline will be considered for presentation at the Conference. To ensure acceptance of high-quality papers, each paper submitted will be blind refereed.

All papers presented at IFIP/Sec '92 will be included in the Conference proceedings, copies of which will be provided to the Conference attendees.

All papers presented, will also be included in proceedings to be published by Elsevier Science Publishers B.V. (North-Holland).

Instructions to Authors

1. Three (3) copies of the full paper, consisting of 22-26 double-spaced, typewritten pages, including diagrams (approximately 5000 words), must be received no later than February 1, 1992. Diskettes and electronically transmitted papers will not be accepted. Papers must be sent to the Program Chairman.
2. Each paper must have a title page which includes the title of the paper, full name of all author(s) and their complete address(es) including affiliation(s), telephone number(s) and e-mail address(es). To facilitate the blind review process, the authors(s)' particulars should only appear on the separate title page.
3. The language of the Conference is English.
4. The first page of the manuscript should include the title and a 300 word abstract of the paper.

Important Dates

Abstracts may be submitted to the Program Committee for guidance and indication of appropriate content by :

July 31, 1991

Full papers must be received by the Program Committee by:

December 1, 1991

Notification of accepted papers will be mailed to the authors on or before:

March 1, 1992

Accepted manuscripts, camera-ready, will be due no later than:

April 15, 1992

IFIP/Sec 1992

International Federation of Information Processing
Security Conference, 1992

Conference Response Slip

Please Tick Where Applicable:

I would like to submit a paper for IFIP/Sec '92.
 I wish to participate as a delegate. Please send me more details.
 I am interested in exhibiting. Please send me more details.
 Please keep me informed on the progress of IFIP/Sec '92.
 Please send me the travel package information.

Name : _____

Title: _____

Company: _____

Address: _____

City: _____ Country: _____ Postcode: _____

Telephone: _____ Telefax: _____



Who to contact?

For any queries regarding the conference on the following matters, please contact the respective addresses:

Papers Submission

Mr Guy Gable
Program Chairman
c/o Singapore Computer Society
71 Science Park Drive
The NCB Building
Singapore 0511
Telephone: (65) 772-2864
Fax: (65) 779-4580
E-mail: ISCGUYGG@NUSVM

Registration and other matters

Mr Wee Tew Lim
Organising Chairman
c/o Singapore Computer Society
71 Science Park Drive
The NCB Building
Singapore 0511
Telephone: (65) 778-3901
Fax: (65) 778-8221

Reply to:

The Secretariat
IFIP/Sec '92
c/o Singapore Computer Society
71 Science Park Drive
The NCB Building
Singapore 0511
Singapore

SINGAPORE. WHERE THE WORLD COMES TOGETHER.

Situated at one of the most important crossroads of the world, Singapore is truly a place where East and West come together.

Here you'll find Chinese, Indian and Malay communities living harmoniously together, their long established cultures forming a unique backdrop to a clean and modern garden city.

English is spoken everywhere and is the common business language of all.

There is a wide variety of beautifully appointed yet reasonably priced hotels offering impeccable standards of Asian service and hospitality.

And few places on earth promise such a delight for the palate, with gourmet cuisine from over 30 countries.

Singapore's climate is warm and welcoming all year round, with temperatures ranging from 28°C in the day, to 23°C by night.

To top it all, Singapore has conference facilities that rank amongst the finest in the world. For business and pleasure, Singapore has everything to make your convention a productive and a memorable experience.



SINGAPORE CONVENTION BUREAU

Raffles City Tower #37-00, 250 North Bridge Road,
Singapore 0617, Republic of Singapore.
Tel: 3396622. Telex: STBSIN RS 33375.
Telefax: 3399423. Cable: TOURISPROM SINGAPORE

YOU SHOULD BE CONCERNED ABOUT INFORMATION SECURITY

Today, our reliance on computer-based information have rightly prompted concern about issues of security and control at the individual, corporate and national levels.

"Security and Control : From Small Systems to Large" is the theme of Asia's most important specialised event for information processing professionals - the 8th International Information Security Conference and Exhibition.

Three tutorials — each of one-day duration — will precede the conference and exhibition. These in-depth sessions will be presented by internationally renowned experts, who will share the breadth and scope of their industry experience.

The tutorial topics cover a broad range of subjects, taking into account that IT professionals today have to contend with security issues for personal computers as well as large mainframe systems.

Information security issues transcend national boundaries and the experience of these experts will prove invaluable to delegates.

You will be able to tap the minds of these seasoned experts - acquire practical tips, avoid pitfalls and keep in touch with latest developments in computer security - as well as exchange views with your peers and benefit from the cross-fertilisation of ideas.

WHO SHOULD ATTEND

Computer Security Managers • Internal Auditors
• Disaster Recovery Managers • Data Processing Managers • Computer Operations Managers • PC Managers • Systems Designers • Information Resource Managers • EDP Managers • Software Specialists • Hardware Specialists • Systems Analysts • Systems Planners • Chief Information Officers • IT Directors • MIS Managers • Office Automation Specialists • Engineering Services Specialists • Financial Managers/Controllers • Operations Managers • Administrative Managers and Company Secretaries.

REGISTRATION FORM

Name: _____

Title: _____

Organisation: _____

Address: _____

City/State/Zip: _____

Country: _____

Phone: _____ Fax: _____ Tlx: _____

Please register me for (Please tick accordingly)

Tutorial 1 Tutorial 2 Tutorial 3

Send me details of hotel/travel arrangement

Send me details of the IFIP/SEC '92 Exhibition/
Conference

TUTORIAL REGISTRATION FEE (Per Person)

Category	Payment received by April 15	Payment received after April 15
SCS Member	S\$615	S\$645
Non-SCS Member	S\$665	S\$695
Conference Delegate*	S\$565	S\$595

* Special rates apply to delegates registered for the IFIP/SEC '92 Conference

Payment:

Payment is requested with registration. All cheques should be made payable to "HQ Link Pte Ltd". A confirmation note will be sent to you upon receipt of payment.

Cancellations:

If you are unable to attend, a substitute is welcome at no extra cost. Cancellations between the 20th April to the 2nd of May 1992 will receive the full tutorial documentation together with 50 percent refund. Thereafter, no refund will be entertained.

Registration:

Mail or fax this form, or telephone us to confirm your registration:

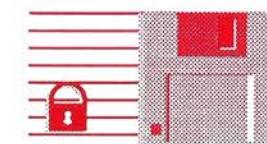


HQ Link Pte Ltd
150 South Bridge Road
#13-01 Fook Hai Building
Singapore 0105
Tel: (65) 5343588
Fax: (65) 5342330
Tlx: RS 24603 MOLDC

THREE AUTHORITATIVE TUTORIALS ON INFORMATION SECURITY



8th International Information Security Conference And Exhibition (IFIP/Sec'92)



Theme: "Security and Control:
From Small Systems to Large."

Venue:
Raffles City Convention Centre
Singapore

Date:
Tutorial: May 25 & 26, 1992
Conference and Exhibition: May 27 - 29, 1992

Organised by:
Technical Committee 11,
International Federation
for Information Security
Singapore Computer Society

Managed by:
HQ Link Pte Ltd

Official Magazine:
Asia Computer Weekly

Endorsing Magazine:
I.T. Times



The Official Airline
SINGAPORE AIRLINES

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TUTORIAL 1

INTERNATIONAL DATA NETWORK SECURITY

May 25, 1992 Raffles City Convention Centre

The fast-growing digital network spanning continents has prompted the need for international cooperation in computer security which will be put into perspective at this tutorial for the benefit of delegates.

The tutorial will highlight the computer security issues arising from three major industry developments - expanding networking, electronic data interchange (EDI) and data protection - that have wide implications for information processing professionals.

Delegates will also gain valuable knowledge of the issues to be considered in the transformation from paper-based transactions to digital-based systems.

The subject of data protection will be discussed, as will the implications of national and international laws pertaining to data protection.

THE SPEAKER : WAYNE MADSEN

Wayne Madsen is renowned internationally for his work in computer security. He is currently staff computer scientist for Computer Sciences Corporation, where he advises both internal staff and clients on this important subject.

He has served in computer security positions with the Department of State, the National Institute of Standards and Technology, the National Security Agency and the United States Navy and RCA Corporation.

Apart from serving as a technical adviser to President Reagan's National Communication Security Assessment Center, he has provided the benefit of his expertise to major organisations in USA, Europe, Asia and Latin America.

He is routinely consulted by the US Congress on computer security legislation matters and is frequently sought out by leading media for interviews on computer security and control.

TUTORIAL 2

UNIX OPERATING SYSTEM SECURITY

May 26, 1992 Raffles City Convention Centre

More computer users are today looking to the UNIX operating environment as the industry standard for operating systems, which facilitates the cross-sharing of application and data between different hardware platforms.

The developer of UNIX, an AT&T subsidiary, will lead this session to apprise delegates of the UNIX System V enhanced security system (SVR4 ES), architecture and features.

You will also gain at first hand an overview of the UNIX environment - including its networking features - as well as other open systems software products which are currently under development.

THE SPEAKERS : JAMES L. CLARK, CRAIG RUBIN AND KEVIN BRADY

A 30-year veteran of the software industry, Dr. James L. Clark is President and Representative Director of UNIX Systems Laboratories, INC. (USL).

USL is an AT&T subsidiary which develops, markets, supports and licenses the UNIX System V operating systems and related open systems software products to the world wide computer industry. Dr. Clark has extensive experience with the UNIX System and has previously held prestigious positions in industry and academia in the USA and Pacific Rim locations. He will be accompanied by Messrs Brady and Rubin, Senior Members of Technical Staff at USL's head office in Summit, New Jersey, USA. Both have been instrumental in the design and development of UNIX System V Release 4.1 Enhanced Security (SVR4.1ES) as well as earlier UNIX System versions. Together, the three speakers represent a wealth of information regarding past, present and future UNIX System security capabilities.

TUTORIAL 3

BUSINESS WATCH : A PRACTICAL APPROACH TO RISK MANAGEMENT AND BUSINESS RECOVERY

May 26, 1992 Raffles City Convention Centre

Today, our great dependency on computer and communications technology means that any failure of such resources can have serious repercussions for companies large and small - even resulting in their collapse.

The best remedy is to be prepared for such an eventuality, which means having a comprehensive plan to minimise the possibility of such disasters occurring and to reinforce these measures with effective recovery procedures.

This tutorial will address not just the recovery aspects, but also highlight the issues pertaining to risk identification, countermeasures to avoid high risk problems and the ways to minimise the damage, if problems should occur.

THE SPEAKER : ALAN REED

The general manager and principal consultant of Intech International, Mr Alan Reed is well-known worldwide for his expertise in the areas of computer risk management, disaster avoidance, business recovery and information security.

As an independent consultant, he has extensive experience having worked for major clients in the government and commercial sectors in Europe, Australia, Singapore and Malaysia.

Apart from having written a book widely acknowledged as a standard reference on the subject of computer risk management, he has contributed numerous articles, with an equally impressive record as a speaker at international forums and various local seminars.

Mr Reed is a member of the Information Systems Security Association, Computer Security Institute and the British Computer Society (Security Specialist Group).

IFIP/SEC '92

Organising Committee Members:

Wee, Tew Lim (Chair)
Tian, Oliver (Secretary)
Tan, Gerard (Treasurer)
Gable, Guy (Program Chair)
Caelli, William (Program Co-Chair)
Koh, See Heong
Ng, Fabian
Ranai, Kish
Sansom, Andrew
Soh, Charlie
Todd, Neil
Ng, Michael
Chen, Cheu Ching

Program Committee Members

Gable, Guy (Program Chair)
Caelli, William (Program Co-Chair)
Ng, Fabian
Ranai, Kish
Soh, Charlie

International Papers Evaluation Panel

Ananda, A.L. (Singapore)
Beatson, John (New Zealand)
Caelli, William (Australia)
Chan, David (Singapore)
Chionh, Eng Wee (Singapore)
Chua, Tat Seng (Singapore)
Clark, James (Japan)
Eloff, J.H.P.
Fortrie, Bertil (The Netherlands)
Gable, Guy (Singapore)
Goh, Angela (Singapore)
Highland, Harold (USA)
Hui, Sin Cheung (Singapore)
Jajodia, Sushil (USA)
Jong, Hee Sen (Singapore)
Leong, Hon Wai (Singapore)
Lindsay, David (UK)
Loh, Wai Lung (Singapore)
Lu, Hong Jun (Singapore)
Madsen, Wayne (USA)
McCallum, John (Singapore)
Ng, Fabian (Singapore)
Ong, Ghim Hwee (Singapore)
Pfitzmann, Andreas (Germany)
Poh, Hean Lee (Singapore)
Poo, Chiang Choon (Singapore)
Pung, Hung Keng (Singapore)
Ranai, Kish (Singapore)
Setiono, Rudy (Singapore)
Soh, Charlie (Singapore)
Tan, Dek Yam (Singapore)
Tan, Gerard (Singapore)
Un-Kiat, Khor (Singapore)



**The Leader in IT Business
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1st Malaysia Imaging & Information Management Conference & Exhibition (MIM 1992)

Conference: June 8 & 9, 1992
Exhibition: June 9 & 10, 1992
Kuala Lumpur Hilton, Malaysia

2nd Philippines International Telecommunications Exhibition & Conference (Telecomex Asia 1992)

August 6 - 9, 1992
Philippine International Convention Centre (PICC)
Manila, Philippine

UNIFORUM ASIA '92 Conference

August 25 & 26, 1992
Marina Mandarin Hotel, Singapore

3rd Asia Pacific Imaging & Information Management Exhibition & Conference (AIM 1993)

Conference: April 26 & 27, 1993
Exhibition: April 27 & 28, 1993
World Trade Centre, Singapore

3rd Philippines International Telecommunications Exhibition & Conference (Telecomex Asia 1993)

August 19 - 22, 1993
Philippine International Convention Centre (PICC)
Manila, Philippine

Second International Conference & Exhibition on Computer Integrated Manufacturing (ICCIM '93)

Sept 6 - 10, 1993
Raffles City Convention Centre, Singapore

Vietnam Informatics '93

Vietnam Telecoms '93

Vietnam Electronics '93

Oct 26 - 30, 1993
Phan Dinh Phung Sport Club,
Ho Chi Minh City, Vietnam

For more information, please contact: HQ Link Pte Ltd, 150 South Bridge Road, #13-01 Fook Hai Building, Singapore 0105, Tel: 5343588, Fax: 5342330, Telex: RS 24603 MOLDC

The World's Premier Event For Information Technology Management And Control

8TH INTERNATIONAL INFORMATION SECURITY CONFERENCE



THEME

**SECURITY AND CONTROL:
FROM SMALL SYSTEMS TO LARGE**



CONFERENCE

Date: 27-29 May 1992
Venue: Raffles City Convention Centre
Singapore

TUTORIALS

Date: 25-26 May 1992
Venue: Raffles City Convention Centre
Singapore

Organised by:

Technical Committee 11,
International Federation for Information Processing
Singapore Computer Society

Managed by:

HQ Link Pte Ltd

Official Publication:

Asia Computer Weekly

Endorsing Publication:

I.T. Times

Sponsored by:

National Computer Board, Singapore
Singapore Federation of the Computer Industry
Microcomputer Trade Association (Singapore)
EDP Auditor's Association, Singapore Chapter
IEEE Singapore Section, Computer Chapter
Data Processing Managers Association



9:00	Opening Ceremony (Padang Room)	DAY 1	KEYNOTE ADDRESS: Cryptography and the Art of Securing Transactions (Padang Room) MR. CHRIS HOLLOWAY	DAY 2	KEYNOTE ADDRESS: An IT Crime Intelligence Report: The State-of-the-Art at the Turn of the Century (Padang Room) DR. BERTIL FORTRIE	DAY 3
9:40	Coffee (Raffles Foyer)	May 27, 1992	10:00 Coffee (Raffles Foyer)	May 28, 1992	10:00 Coffee (Raffles Foyer)	May 29, 1992
10:00	KEYNOTE ADDRESS: International Computer Security Cooperation Into the 21st Century (Padang Room) MR. WAYNE MADSEN					
	TRACK 1 (Padang Room)	TRACK 2 (Collyer Room)	TRACK 1 (Padang Room)	TRACK 2 (Collyer Room)	TRACK 1 (Padang Room)	TRACK 2 (Collyer Room)
	SECURITY MANAGEMENT I	NETWORK SECURITY	SECURITY MANAGEMENT II	CRYPTOGRAPHY	DATABASE SECURITY	ACCESS CONTROL/DETECTION
11:00	Information Security: The Impact of End User Computing Mr. John Beatson	11:00 Secure Open Systems: An Investigation of Current Standardization Efforts for Security in Open Systems Mr. Paul Overbeek	10:20 Data Security Model in Branch Offices of Big Organisations Dr. Lech J. Janczewski	10:20 Measuring the Strength of Ciphers Ms. Helen Gustafson Dr. Edward Dawson Ms. Lauren Nielsen Professor W.J. Caelli	10:20 DISCO – A Discretionary Security Model for Object-Oriented Databases Mr. Martin S. Olivier Professor S.H. von Solms	10:20 Rule-Based Trusted Access Control Mr. Marshall D. Abrams Ms. Ingrid M. Olson
11:40	PRAJORIS – A Pragmatic 'Joint' Method for Raising the Information Security Level in a Company Dr. Steen Bentzen	11:40 Network Security: A Design and Implementation Mr. Weijun Wang Professor Tom Coffey	11:00 Practical Security for the Small Computer User Mr. David Bachelor Mr. Peter Kingston	11:00 Cryptography Protocols and Network Security Mr. Patrick Horster Dr. Hans-Joachim Knobloch	11:00 Referential Data Integrity in Multilevel Secure Database Management Systems Ms. Vinti M. Doshi Dr. Sushil Jajodia	10:50 Governmentware: A New Vehicle to Boost Computer Security on a National Level Mr. Yu Chien Siang
12:20	The Status of IT Security in Leading European Organisations Mr. Alan Stanley	12:20 A Probabilistic Approach to the Analysis of Secure Protocols Mr. Edward Campbell Dr. Rel Safavi-Naini	11:40 Information Security Awareness – Selling the Course Mr. Kevin McLean	11:40 A Solution to Generalized Group Oriented Cryptography Dr. Chin-Chen Chang Dr. Horng-Chin Lee	11:40 A Complex Approach to the Security of Statistical Databases Subject to Off-Line Sum Queries Mr. Yeow Meng Chee Mr. Andrew Lim	11:20 A Rule-Based Intrusion Detection System Mr. Don Holden
1:00	Lunch (Canning Room)		12:20 A Company's Battle Against the Virus Plague Mr. Peter Capiteijns	12:20 A Language For Describing Information and Physical Security Architectures Professor W.J. Caelli Professor Dennis Longley, Mr. Alan Tickle		11:50 Access Control: A Further Approach Mr. Burkhard Lau
2:30	INVITED ADDRESS: Computer Disasters: The Impact on Business in the 1990s MR. ALAN REED	2:30 INVITED ADDRESS: ASEAN – Computer Crime and Corrective Action: A Status Report MR. CHEW TECK SOON	1:00 Lunch (Canning Room)		12:30 Lunch (Canning Room)	
3:30	Coffee (Raffles Foyer)		2:30 KEYNOTE ADDRESS: Restating The Foundation of Information Security (Padang Room) MR. DONN B. PARKER		UNIX SECURITY	COMPUTER CRIME II
3:50	Findings of the Swedish CITI Project on Information Security Evaluation and Certification Mr. Per Hoving	3:50 MAPS Model For Automated Profile Specification Mrs. Dalenca Pottas Professor S.H. von Solms	3:30 Coffee (Raffles Foyer)	3:50 AUDIT SECURITY	2:00 The New Security Paradigm in the Enterprise Computing Mr. Craig Rubin	2:00 Computer Crime: A Look at the Type of Offence and the Offenders Mr. Bengt Angerfelt
4:30	FORUM: European vs American Security Standards (Padang Room) Chairman: Dr. Bertil Fortrie Participants: Professor W.J. Caelli Mr. Wayne Madsen Mr. Per Hoving Mr. David Lindsay		4:30 A Framework for IS Audit Research Mr. Charlie Soh Dr. Guy G. Gable	3:50 How Expert are Auditors in the Computer Security Field? South African Findings and Interpretations Dr. Dieter Fink	3:50 A Methodology For The Investigation of Computer Crime Mr. Philip M. Stanley	2:40 Integrating B2 Security into a UNIX System Mr. Kevin H. Brady
5:30	Close		5:10 Close	4:30 Detering Highly Motivated Computer Abusers: A Field Experiment in Computer Security Dr. Detmar Straub Ms. Patricia J. Carlson Ms. Elizabeth H. Jones	4:30 Detering Highly Motivated Computer Abusers: A Field Experiment in Computer Security Dr. Detmar Straub Ms. Patricia J. Carlson Ms. Elizabeth H. Jones	2:40 Dealing With Computer Misuse – the Need for an International Approach Mr. Michael R. Jones
			6:30 Assemble for Conference Banquet (Westin Stamford Hotel Lobby) Buses will leave at 6:45		3:20 Coffee (Raffles Foyer)	
			7:00 Conference Banquet (Tang Dynasty Village)		3:40 KEYNOTE ADDRESS: UNIX Operating System Security (Padang Room) DR. JAMES CLARK	
					4:40 Closing Ceremony (Padang Room) Professor W.J. Caelli Ms. Pearleen Chan	
					5:10 Close	