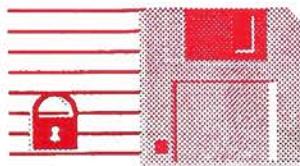


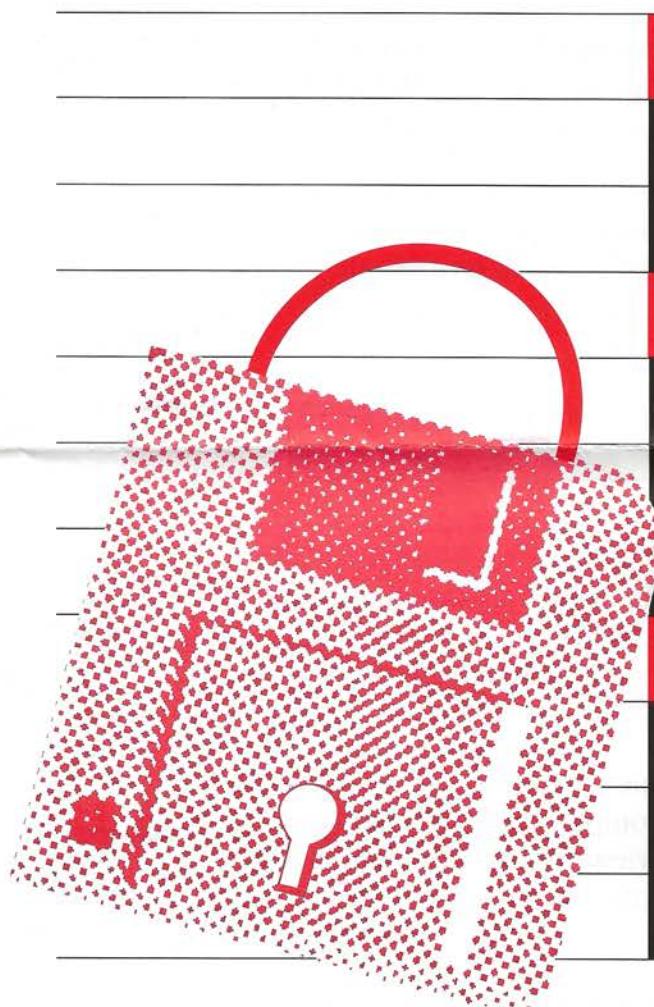


THE WORLD'S PREMIER EVENT FOR INFORMATION TECHNOLOGY MANAGEMENT AND CONTROL

*(INCORPORATING AN INTERNATIONAL
EXHIBITION AND TUTORIALS)*



8th International Information Security Conference



T H E M E

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

CONFERENCE & EXHIBITION

Date: 27-29 May 1992

Venue: Raffles City Convention Centre
Singapore

T U T O R I A L S

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



JOIN WORLD-RENOWNED EXPERTS AT THE WORLD'S PREMIER COMPUTER SECURITY CONFERENCE



New opportunities made possible by rapid advancements in computers and communications technologies have also generated concern in the area of security and control.

Users of both small systems and large constantly face the threat of a major disruption to their information processing systems, which could result in severe business losses – sometimes jeopardising the firm's very existence.

Together with various computing bodies in Singapore, IFIP and SCS are organising the largest-ever conference in Asia focusing on information security. The theme of this year's event is "Security and Control : From Small Systems to Large".

This three-day conference heralds the gathering of some of the world's renowned authorities, who will share their expertise and experience with different areas of computer security and control.

Apart from focusing attention on international computer security efforts into the 21st century, the keynote papers will also highlight the latest developments in the prevention and detection of IT fraud and the issues involved in securing transactions, including the use of cryptography.

The methodologies, design and implementation of security and control systems will be discussed. The comprehensive programme will also address subjects as diverse as reviews of local and regional experience in computer security and updates on the standardisation efforts for security in open systems.

For the first day of the conference, delegates will have a choice of attending the session on "Security Management" or "Network Security". A forum in the afternoon will bring together experts from around the world to debate the relative merits of recently adopted European and US security standards.

The second day will be devoted to "Security Management" and "Audit Security", with a parallel session on "Cryptography" and "Computer Crime".

On the morning of the third day, delegates will have a choice between the session covering "Database Security" and "Access Control/Detection", with the afternoon being dedicated to "UNIX Security".

8:45	Opening Ceremony
9:45	Coffee
10:00	KEYNOTE ADDRESS: International Co-operation Into the 21st Century MR. WAYNE MADSEN Staff Computer Scientist Computer Sciences Corporation, United

TRACK 1

SECURITY MANAGEMENT I

11:00	Data Security Model in Branch Offices of Big Organisations Dr. Lech J. Janczewski University of Auckland Department of Management Science and Information Systems New Zealand
11:45	PRAJORIS – A Pragmatic 'Joint' Method for Raising the Information Security Level in a Company Dr. Steen Bentzen Computer Strategy Service Denmark

12:30 Lunch

2:00	INVITED ADDRESS: Computer Disasters: The Impact on Business in the 1990s MR. ALAN REED Intech International United Kingdom/Singapore
------	---

3:00	Security Activities of Private Sectors in Europe Mr. Alan Stanley European Security Forum c/o Coopers & Lybrand Deloitte United Kingdom
------	--

3:45 Coffee

4:00	Findings of the Swedish CITI Project on Information Security Evaluation and Certification Mr. Per Hoving Saab-Scania AB Security Technical Center Sweden
------	---

4:45	FORUM: European vs American Seci Chairman: Dr. Bertil Fortrie Participants: Professor W.J. Caelli Mr. Wayne Madsen Mr. Per Hoving Mr. Alan Reed
------	---

5:30 Close

CONFERENCE PROGRAM

Computer Security

States

DAY 1
May 27, 1992

TRACK 2

NETWORK SECURITY

11:00 **Secure Open Systems: An Investigation of Current Standardization Efforts for Security in Open Systems**
Mr. Paul Overbeek
TNO Physics and Electronics Laboratory
The Netherlands

11:45 **Network Security: A Design and Implementation**
Mr. Weijun Wang
National Computer Board
Information Technology Institute
Singapore
Professor Tom Coffey
University of Limerick
Ireland

KEYNOTE ADDRESS: Cryptography and the Art of Securing Transactions

MR. CHRIS HOLLOWAY
Security Consultant
IBM, United Kingdom

10:00 **Coffee**

DAY 2

May 28, 1992

TRACK 2

CRYPTOGRAPHY

10:15 **Measuring the Strength of Ciphers**
Ms. Helen Gustafson
Dr. Edward Dawson
Ms. Lauren Nielsen
Queensland University of Technology
School of Mathematics and Information Security Research Centre
Professor W.J. Caelli
Queensland University of Technology
Information Security Research Centre
Australia

11:00 **Cryptography Protocols and Network Security**
Mr. Patrick Horster
Dr. Hans-Joachim Knobloch
University of Karlsruhe
European Institute for System Security
Germany

11:45 **A Solution to Generalized Group Oriented Cryptography**
Dr. Chin-Chen Chang
Dr. Horng-Chin Lee
National Chung Cheng University
Institute of Computer Science and Information Engineering
Taiwan

Lunch

2:00 KEYNOTE ADDRESS: Restating The Foundation of Information Security

MR. DONN B. PARKER
Senior Management Systems Consultant
SRI International
United States

3:00 A Company's Battle Against the Virus Plague

Mr. Peter Capiteijns
Philips Security Office
The Netherlands

3:00 A Language For Describing Information and Physical Security Architectures

Professor W.J. Caelli
Professor Dennis Longley
Mr. Alan Tickle
Queensland University of Technology
Information Security Research Centre
Australia

3:45 Coffee

AUDIT SECURITY

4:00 **How Expert are Auditors in the Computer Security Field? South African Findings and Interpretations**
Dr. Dieter Fink
Edith Cowan University
School of Management Information Systems
Australia

COMPUTER CRIME

4:00 **A Methodology For The Investigation of Computer Crime**
Mr. Philip M. Stanley
Ernst & Young
Management Consultants
Australia

4:45 **A Framework for IS Audit Research**
Mr. Charlie Soh
Asia Pacific Offshore Services Pte Ltd
Dr. Guy G. Gable
National University of Singapore
Department of Information Systems & Computer Science
Singapore

4:35 **Detering Highly Motivated Computer Abusers: A Field Experiment in Computer Security**

Dr. Detmar Straub
University of Minnesota
Management Information Systems Research Centre
Ms. Patricia J. Carlson
Ms. Elizabeth H. Jones
University of Hawaii, United States

5:10 **Computer Crime: A Look at the Type of Offence and the Offenders**
Mr. Bengt Angerfelt
Computer Security Manager
Security Service
National Swedish Police Board
Sweden

5:45 Close

7:00 Conference Banquet

M M E

9:00 **KEYNOTE ADDRESS: An IT Crime Intelligence Report: The State-of-the-Art at the Turn of the Century**
DR. BERTIL FORTRIE
 President
 Cipher Management BV, Belgium
 10:00 Coffee

DAY 3

May 29, 1992

TRACK 1		TRACK 2	
DATABASE SECURITY		ACCESS CONTROL/DETECTION	
10:15 DISCO – A Discretionary Security Model for Object-Oriented Databases Mr. Martin S. Olivier Professor S.H. von Solms <i>Rand Africaans University</i> <i>Department of Computer Science</i> <i>South Africa</i>		10:15 Rule-Base Trusted Access Control Mr. Marshall D. Abrams Ms. Ingrid M. Olson <i>The MITRE Corporation</i> <i>Intelligence and CINC Support Systems Division</i> <i>United States</i>	
11:00 Referential Data Integrity in Multilevel Secure Database Management Systems Ms. Vinti M. Doshi Dr. Sushil Jajodia <i>The MITRE Corporation</i> <i>Security Technical Center</i> <i>United States</i>		11:00 Access Control: A Further Approach Mr. Burkhard Lau <i>University Bostock</i> <i>Germany</i>	
11:45 A Complex Approach to the Security of Statistical Databases Subject to Off-Line Sum Queries Mr. Yeow Meng Chee Mr. Andrew Lim <i>National Computer Board</i> <i>Information Technology Institute</i> <i>Singapore</i>		11:45 A Rule-Based Intrusion Detection System Mr. Don Holden <i>Digital Equipment Singapore Pte Ltd</i> <i>Singapore</i>	
12:30 Lunch			
UNIX SECURITY		UNIX SECURITY	
2:00 The New Security Paradigm in the Enterprise Computing Mr. Craig Rubin <i>UNIX System Laboratories</i> <i>United States</i>		2:00 Integrating B2 Security into a UNIX System Mr. Kevin H. Brady <i>UNIX Systems Laboratories Inc.</i> <i>United States</i>	
2:45 Coffee			
3:00 KEYNOTE ADDRESS: UNIX Operating System Security DR. JAMES CLARK <i>President and Representative Director</i> <i>UNIX System Laboratories, Pacific</i> <i>Japan</i>			
4:00 IFIP / Sec '93 Mr. David Bachelor <i>Sussex Systems Ltd</i> <i>Canada</i>			
4:15 Closing Ceremony Professor W.J. Caelli <i>Chairman TC11</i> <i>Australia</i>			
4:30 Close			

IFIP Sec's 92 Tutorials

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

TUTORIAL 1:

May 25, 1992

International Data Network Security

By: **Mr Wayne Madsen**

Staff Computer Scientist
 Computer Sciences Corporation

TUTORIAL 2:

May 26, 1992

Unix Operating System Security

By: **Dr James L Clark**

President and
 Representative Director
 UNIX System Laboratories, Pacific

TUTORIAL 3:

May 26, 1992

Business Watch: A Practical Approach to Risk Management and Business Recovery

By: **Mr Alan Reed**

Director
 Intech International

IFIP/SEC '92 Exhibition

Taking place concurrently with the conference will be the 8th International Information Security Exhibition. Exhibitors involved in this very specialised sector will be present to apprise visitors of the latest in hardware, software and services in information security technology.

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 • Company Secretaries.

BOOKING FORM A
CONFERENCE AND TUTORIAL REGISTRATION FORM
8TH INTERNATIONAL INFORMATION SECURITY CONFERENCE AND EXHIBITION

Just follow these quick steps. Copy this form for multiple registrations. (Please use black pen or type).

STEP 1 : INDICATE NAME AND ADDRESS

Name: _____ Title: _____
 Organisation: _____
 Address: _____
 City/State/Zip: _____ Country: _____
 Phone: _____ Fax: _____ Tlx: _____

A B C D E F G H I

STEP 2 : CIRCLE FEE

Category	Payment received By April 15	Payment received After April 15
Conference (per attendee)		
SCS Member	S\$1275	S\$1345
Non-member	S\$1325	S\$1395
Tutorial (per attendee)		
SCS Member	S\$ 615	S\$ 645
Non-member	S\$ 665	S\$ 695
Conference Delegate	S\$ 565	S\$ 595

Note: Conference delegates wishing to attend the tutorial can do so at a special rate of S\$565 (by April 15) and S\$595 (after April 15).

Conference fee includes lunch, refreshments, full documentation plus a conference banquet.
 Tutorial fee includes lunch, refreshments and full documentation.

STEP 3 : CONFERENCE BANQUET FOR ACCOMPANYING PERSON(S)

Conference delegates are welcomed to register their accompanying person(s) for the conference banquet at S\$120 per person.

	No. of persons	Cost Per Person	Fees (S\$)
Conference Banquet for Accompanying person(s)		S\$120	

STEP 4 : SUMMARY OF PAYMENT

Check enclosed payable to "HQ LINK PTE LTD"

	Please tick	Fees(S\$)
Conference		
Tutorial 1		
Tutorial 2		
Tutorial 3		
Tutorial 4		
Additional Banquet for Accompanying Person(s)		
TOTAL AMOUNT		S\$

NOTE: Payment is requested with your registration. Please make all cheques to "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. A confirmation note will be sent to you upon receipt of payment.

STEP 5 : CHOOSE ONE OF 4 EASY WAYS TO REGISTER

1. Call us at (65) 534-3588 in Singapore
2. Fax us at (65) 534-2300 in Singapore
3. Telex us at RS 24603 MOLDC in Singapore
4. Mail us your registration to us today.

CANCELLATIONS

Should you be unable to attend, a substitute is welcomed at no extra cost. Cancellations between 20 April to 4 May will receive the full conference or tutorial documentation and 50% refund. Thereafter, we regret that no refund will be given.

BOOKING FORM B
HOTEL ACCOMMODATION / AIRPORT TRANSFER
8TH INTERNATIONAL INFORMATION SECURITY CONFERENCE AND EXHIBITION

PARTICULARS

Prof/Dr/Mrs/Miss: _____ *Surname* _____ *Other name* _____
 Company/Affiliation: _____
 Address: _____
 City/State/Zip: _____
 Tel: _____ Fax: _____ Tlx: _____
 Accompanying Person's Name : 1. _____ *Surname* _____ *Other name* _____
 2. _____ *Surname* _____ *Other name* _____

I. HOTEL ACCOMMODATION

I wish to confirm my accommodation at:

HOTEL NAME	DATE FROM	DATE TO	NO. OF NIGHTS	*SINGLE/TWIN	NETT COST PER ROOM NIGHT (S\$)	FEES (S\$)			
Westin Stamford					250.80				
Westin Plaza					205.20				
Carlton Hotel					148.20				
Peninsula Hotel									
				TOTAL AMOUNT S\$					

* Please delete wherever necessary.

Note: The price quoted is in Singapore Dollars (S\$) per room per night. The rate is inclusive of 10% service charge and 4% government tax. The one night room deposit will not be refunded if cancellation is received after the 27 April 1992.

II. AIRPORT TRANSFER AND MEETING SERVICES

Private car transfer service inclusive of airport meeting are also available. Please indicate your requirement(s) below.

	No. of cars	Cost	Fees (S\$)
Airport Meeting and Transfer Services		S\$50	
Airport Meeting and Transfer Services after 11.00 pm		S\$65	

I enclose cheque / bank draft No. _____ of S\$ _____ for one night's deposit / airport transfer services for the above booking payable to "World Express Pte Ltd".

CREDIT CARD PAYMENT

Payment for ABOVE SERVICES may be made through one of the respective credit cards below, please

I wish to pay my above fees by: American Express Diners MasterCard Visa

Name: _____ Card Number: _____

Expiry Date: _____

Date: _____ Signature: _____

THIS FORM COMPLETED WITH DEPOSIT OR CREDIT CARD INSTRUCTION SHOULD BE RETURNED TO:

John Chua
 Manager-in-charge of Conventions & Incentives
 World Express Pte Ltd

114 Middle Road #05-01 Singapore 0718 Tel: (65) 336-3877 Fax: (65) 339-8625 Tlx 33372