

FINAL PROGRAMME

CREATING
CONFIDENCE

— IN —

INFORMATION

PROCESSING



SEVENTH
INTERNATIONAL
CONFERENCE AND
EXHIBITION
— ON —
INFORMATION
SECURITY

Metropole Hotel,
Brighton, UK
15-17 May 1991



IFIP TC-11
SEC '91



Organizers
IFIP TC11

Cooperation
British Computer Society
EDPAA, European Region

Sponsor
Digital Equipment Corporation

digital

Trademark of Digital Equipment Corporation

CIRCULATE TO:

..... ☐
..... ☐
..... ☐

CREATING CONFIDENCE — IN — INFORMATION PROCESSING

At a time of unparalleled concern about the rising tide of computer fraud and sabotage, there is a need to restore confidence in information processing.

Delegates at this three-day conference will learn about practical defences against malicious programs, computer fraud and damage to the range of essential business information systems. The conference will provide a rare opportunity to discuss technical and management concerns with internationally acknowledged experts.

The event promises to set the agenda for implementing effective computer security in the 1990's.

Digital is very pleased to be the sponsor for this conference. We take I.T. Security very seriously both as a leading vendor and user.

One of the major challenges I can see facing this industry is security awareness. In our view IFIP Sec '91 is the major International conference on security this year, and an opportunity for increasing I.T. awareness and understanding.

George Brothers

European Security Manager

Digital Equipment Corporation International

WHO SHOULD ATTEND?

Computer Security researchers, managers, advisers, EDP Auditors from government and industry.

IFIP

The International Federation for Information Processing was formed in Paris in 1960 by the representatives of eight national computer associations that had worked together with UNESCO in preparation for the First World Computer Congress held there the previous year. Last year 46 national organizations representing 64 countries were members of IFIP.

At the IFIP Congress held in Paris, during September 1983, an IFIP Technical Committee on computer security (TC-11) was established. The major aims of the committee are:

- to establish a frame of reference for security common to both EDP professionals and the public
- to exchange experience of practical security work
- to evaluate data processing techniques from security viewpoints
- to inform on new protective techniques and their proper use
- to promote security as being an important integral part of data processing

LOCATION

Brighton is easily accessible in about one hour from central London, and is conveniently located for travellers arriving at either of London's main airports, but particularly Gatwick. One of Britain's premier holiday resorts, Brighton is pleasantly situated at the foot of the South Downs. It offers the visitor an unrivalled range of attractions, from splendid historic buildings including the famous Royal Pavilion and nearby Arundel Castle, to the hundreds of small, unusual shops and, of course, the colourful seafront and promenade.

The IFIP/Sec '91 conference will take place during the Brighton International Festival. All day, and late into the night, hundreds of exciting events take place including theatre, visual arts, music from classical to jazz, sports and cabaret.

This is, indeed, a very special time to experience Brighton.

LANGUAGE

The official language of the Conference will be English

THE EXHIBITION

A full supporting exhibition will run throughout IFIP/Sec. '91 and is free of charge to all delegates.

IFIP/Sec. '91, the exhibition, offers you the opportunity to meet and discuss your requirements with leading international suppliers, who will be displaying a full range of the latest information security products and services.

The exhibition is open at the following times:

- Day One: 11.00-6.00
- Day Three: 09.30-2.30
- Day Two: 09.00-6.00

For any queries regarding the exhibition please contact:

Matthew Waring

Exhibition Sales Manager, Commercial Affairs IFIP/Sec '91

Mayfield House, 256 Banbury Road, Oxford OX2 7DH, UK

Tel: +44 (0)865 512242, Fax: +44 (0)865 310981



REGISTRATION INFORMATION

The conference fee is £525.00 plus VAT @ 15% (£78.75) which includes:

- A copy of the Conference Proceedings
- Mid session refreshments
- Lunch on all days
- Unlimited entrance to the Exhibition
- Civic Reception on the evening of 15 May 1991
- Conference Banquet on the evening of 16 May 1991
- Exhibition Entry

VENUE

The conference will be held at the Brighton Metropole Hotel, Kings Road, Brighton, BN1 2FU which is located on the sea front, close to the town centre.
Tel: 0273 775432, Fax: 0273 207764.

ACCOMMODATION

Rooms have been provisionally booked for use by delegates at the following hotels in Brighton:

Brighton Metropole Hotel, Kings Road (5 Star) – Single rooms cost £88 per night, twin rooms £100 and double rooms £108 all inclusive of full English breakfast, plus VAT @ 15%.

Norfolk Resort Hotel, Kings Road (3 Star) – Single rooms cost £67 and double rooms £80 per night, inclusive of breakfast, use of health club and VAT.

Kings Hotel, Kings Road (3 Star) – Single rooms cost £58.00 per night, double and twin rooms £75.00 per night, inclusive of full English breakfast and VAT.

Rooms may be reserved by completing the relevant section on the registration form. Details of alternative inexpensive and guest house style accommodation can be provided on request.

CONFERENCE BANQUET

The conference banquet will take place at the Brighton Metropole Hotel on the evening of 16 May with entertainment from the Brighton Festival programme. The banquet is included in the delegate registration fee and accompanying partners are welcome. Please complete the registration form to book additional places which will be charged at £32.00 each plus VAT @ 15%.

PARTNERS PROGRAMME

Tours have been arranged for accompanying partners during the conference as follows:

TOUR 1 – 15 May 1991

As an introduction to Brighton, our expert guide will give a brief talk on the town and surrounding area. He will then accompany the group on a visit to the famous **Royal Pavilion**, a short walk from the hotel. This Indian style seaside palace of King George IV has magnificent rooms containing many works of art. The tour will then explore the winding, cobbled **Lanes** with their intriguing mixture of cafes, antique shops and excellent dress shops.

Tour includes – Guide, Entry to the Royal Pavilion and Tour of the Lanes – **Price £10.00** per person including VAT.

TOUR 2 – 16 May 1991

The guided tour will travel by coach to visit the **City of Chichester**. This lovely market town contains many interesting buildings, shops and the beautiful **Norman Cathedral**. After lunch the group will travel by coach to **Arundel Castle**. Built in the 11th century, this great castle overlooks the River Arun and has been the seat of the Dukes of Norfolk and their ancestors for over seven hundred years. Having seen a wealth of English history it now contains a fascinating collection of treasures.

Tour includes – Guide, Coach Travel, Tour of Chichester, Lunch, Entry to Arundel Castle – **Price £36.00** per person including VAT.

TOUR 3 – 17 May 1991

The group will travel by coach to **St Mary's in Bramber**. One of the most ancient and distinguished buildings of its kind in Britain, St Mary's is a late-15th century timber-framed house. There will be a personal welcome with tea and biscuits plus a guided tour of the house.

Tour includes – Guide, Coach Travel, Entry to St Mary's, Refreshments – **Price £22.00** per person including VAT.

Tour places should be reserved by completing the relevant section of the registration form. Places are strictly limited and we cannot guarantee to accept late bookings at the conference. Elsevier reserve the right to cancel any tour which does not achieve the minimum number of bookings required.



DAY ONE – 15 May 1991

9.00	Registration and Coffee		
10.30	OPENING CEREMONY		
11.00	EXHIBITION OPEN		
11.30	KEYNOTE ADDRESS Criteria, Evaluation and the International Environment: where have we been, where are we going? S. Lipner , Manager, Secure Systems Group, Digital Equipment Corporation, USA <i>Steven B Lipner has been with Digital since 1981. His responsibilities encompass security strategy, architecture and evaluation for Digital's products, as well as the line management of the Secure Systems Development Group. He holds SB and SM degrees from the Massachusetts Institute of Technology and is a graduate of the Harvard Business School's Program for Management Development. He is a member of the ACM and of the IEEE Computer Society, and is a member and former Chair of the Computer Society's Technical Committee on Security and Privacy. Steven is a member of the National Computer Systems Security and Privacy Advisory Board, and an acknowledged contributor to the "Orange Book".</i>		
12.30	LUNCH – Exhibition Open		
	(Stream 1)	(Stream 2)	(Stream 3)
2.00	The UK Dept of Trade and Industry's Commercial Computer Security Centre. D. Brewer , Commercial Computer Security Centre, UK	A Generalised Testbed for Analysing Block and Stream Ciphers. L. Brown , University College UNSW, Australia	Audit Control in Databases. S. Wiseman , Royal Signals & Radar Establishment, UK
2.45	Security Criteria Harmonisation. The Information Technology. Security Evaluation Criteria. M. Nash , Commercial Computer Security Centre, UK	Digital Signatures. F.C. Piper , Codes & Ciphers Ltd, UK	Knowledge Based Systems: Audit, Security & Validation Issues. W.T. Tener , TRW Information Systems and Services, USA
3.30	TEA – Exhibition Open		
4.00	Commercial Security Evaluation. J. Straw , Secure Information Systems Ltd, UK	Laying the Groundwork for a Model Information Security Program. J.A. Schweitzer , Digital Equipment Corporation, USA	Auditing Expert Systems. R.R. Moeller , Sears Roebuck & Co, USA
4.45	Security Assessment & Conformance Testing. B.J. Chorley and W.L. Price , National Physical Laboratory, UK	Policy Route Certification: Requirements and Techniques. D. Nessett , Lawrence Livermore National Laboratory, USA	Building Security Applications J. Checkley , Logica Finance Ltd, UK
5.30	End of Conference Day One		
6.00	End of Exhibition Day One		
6.30	Reception Hosted by Brighton Borough Council Brighton Metropole Hotel		



FINAL PROGRAMME

DAY TWO – 16 May 1991			
8.45	KEYNOTE ADDRESS Information Security – Theory and Practice. D. Davies , CBE, FRS <i>Donald Davies' career in computer science, mainly at the UK National Physical Laboratory, has included work on design of computer systems, computer networks and data security (he is still active on the latter subject, providing consultancy). Amongst his many distinctions are Fellowship of the Royal Society and Distinguished Fellowship of the British Computer Society.</i>		
9.00	EXHIBITION OPEN		
	(Stream 1)	(Stream 2)	(Stream 3)
9.45	A Role-Based Modelling of the Access Control with the Help of Frames. D. Jonscher , University of Rostock, Germany	Using Ada for Embedded Secure Systems. A. Wood , Royal Signals and Establishment	Security and Credibility in an Information-Intensive Society. J.M. Carroll , The University of Western Ontario, Canada
10.30	COFFEE – Exhibition Open		
11.00	Finding Better Methods for Identity Verification by Signatures. A. Hunstad , Linköping University, Sweden.	Reliable Processing of Confidential Information. G. Trouessin , LAAS-CNRS, France	Top Management Challenge – “From Quantitative guesses to prudent Baseline of Security”. J. Saari , International Baseline Security Oy, Finland
11.45	A Proactive Password Checker. M. Bishop , Dartmouth College, USA	Privacy-Enhanced Electronic Mail: From Architecture to Implementation. J. Linn , Digital Equipment Corporation, USA	Policing the PC – a ‘Neighbourhood Watch’ Scheme. R. Clark , BIS Applied Systems Ltd, UK
12.30	LUNCH – Exhibition Open Sponsored by PC Security Ltd		
2.00	The Practice of Passwords Usage: Some Empirical Evidence. M. Zviran , Naval Postgraduate School, USA	ISDN-Mixes: Untraceable Communication with very Small Bandwidth Overhead. K. Zitzmann , University of Karlsruhe, Germany	Computer Security Risk Analysis Workshop. W. Caelli , Queensland University of Technology, Australia
2.45	Personal identification – Biometrics. J.R. Parks , JRP Consultants, UK	The Kinetics of Computer Virus Replication. P.S. Tippet , Case Western Reserve University, USA	
3.30	TEA – Exhibition Open		
4.00	Promoting a Healthy Skepticism with Regard to Information Processing. D. Stevens , University of California, Berkeley, USA	Creating Confidence through Consensus. S. Kowalski , Stockholm University & Royal Institute of Technology, Sweden	
4.45	IT Security Awareness Campaigns – Individual, Corporate and National. W. Murray , National Computing Centre, UK	Confidence in your Trading Partners Certificates. E.J. Humphreys , British Telecommunications plc, UK	
5.30	End of Conference Day Two		
6.00	End of Exhibition Day Two		
8.00	Reception and Conference Banquet		

DAY THREE – 17 May 1991

8.45	KEYNOTE ADDRESS EDI and audit - state of the art. M. Leger , Partner, Arthur Anderson, Paris <i>In charge of Computer Risk Management Services for Europe/Middle East and Africa.</i> <i>Founding chairman of the Association Francais d'Audit Informatique.</i>		
9.00	EXHIBITION OPEN		
	(Stream 1)	(Stream 2)	(Stream 3)
9.45	A Multi-Level Secure TCP/IP. R.L. Sharp , AT&T Bell Laboratories, USA	EDI Security – Today and Tomorrow. J. Williamson , International Network Services, UK	The Security of a Distributed System and its Relationship to the Environment it Serves. R.W. Jones , ICL, UK
10.30	COFFEE – Exhibition Open		
11.00	Adapting Applications to Multi-Level Secure UNIX Systems. K.A. Siil , AT&T Bell Laboratories, USA	Information Security Control – Authority and Accountability in Practice. W.R.F. Pepper , DMR Group Ltd, UK	Computer Crime Investigation Training – Concept, Content and Cases. P.M. Stanley , Ernst & Young, Australia
11.45	An Architectural Approach to the Interface between Applications Programs and Security Sub-Systems. J. Sherwood , Sherwood Associates Ltd, UK	Are your Fund Transfer Systems Secure? J.M. Ross , KPMG Peat Marwick McLintock, UK	Protection of Data and Data Bases by Copyright Law. M.P.J. Kratz , Cruickshank Karvellas & Connauton, Canada
12.30	LUNCH – Exhibition Open		
2.00	A New Formal Model for Controlling Security in Multi-Domained Computer Environments. S.H. von Solms , Rand Afrikaans University, South Africa	Concepts of an Expert System for Virus Detection. K. Brunnstein , University of Hamburg, Germany	The Problems of providing Database Security via a Front End Program. S. Lewis , Royal Signals and Radar Establishment, UK
2.30	Close of Exhibition		
2.45	Rationale for GOSIP Security Architecture. T. Knowles , DMR Group Ltd, UK	Computer Viruses – Directions and Trends. J. Hruska , Sophos Ltd, UK	Developing and Implementing a PC Based Security Strategy. G.M. McLeod , International Data Security, UK
3.30	TEA		
4.00	CLOSING REMARKS		
4.30	Close of Conference		





REGISTRATION INFORMATION

CANCELLATIONS

Substitutions may be made at any time. Cancellations will be accepted on the following basis:

1. Provided **written** notice of cancellation is received by **24 April 1991** a full refund will be given less a 10% administration fee.
2. Provided **written** notice of cancellation is received by **7 May 1991** a 50% refund will be given.

It is regretted that cancellations after this date are liable for the full registration fee.

PAYMENT

Fees are payable in advance of the Conference and cheques should be made payable to Elsevier.

QUERIES

Please contact Kay Russell or Gill Spear:

Elsevier Seminars

Mayfield House

256 Banbury Road

Oxford

OX2 7DH

UK

Tel: +44 (0)865 512242

Fax: +44 (0)865 310981

ORGANIZING COMMITTEE

David Lindsay, Digital Equipment Company Ltd
(Chairman)

William Bound, Coopers & Lybrand Deloitte

Paul Evans, Elsevier Science Publishers Ltd

Mike Jones, UK Department of Trade and Industry

Joe J Kenny, BCS Intellectual Property Committee

William List, KPMG Peat Marwick McLintock

Ron A J Middleton, MBE, BCS Security Committee

Penny Moon, Elsevier Science Publishers Ltd

Phil Phillips, BCS Computer Security Specialist Group

Wyn L Price, Independent Consultant

Karen Richardson, Sophos Ltd

Peta Walmisley, BCS Secretariat

Duncan Whitley, Independent Consultant

INTERNATIONAL PROGRAMME COMMITTEE

EUROPE

Wyn L Price, *UK* (Chairman)

Klaus Dittrich, Institut für Informatik der Universität
Zürich, *Switzerland*

Andre Grissonanche, XP Conseil, *France*

Per Hoving, Saab-Scania, *Sweden*

Knud Kristiansen, Sparekassernas Datacenter, *Denmark*

David Lindsay, Digital Equipment Company Ltd, *UK*

Juhani Saari, International Baseline Security, *Finland*

Paul Williams, BDO Binder Hamlyn, *UK*

NORTH AMERICA

Jim H Finch, Cerebus Computer Security, *Canada*

Peter P C H Kingston, Kingston Goulbourn & Associates
Ltd, *Canada*

Martin Kratz, Cruickshank Karvellas & Connauton,
Canada

William H Murray, Ernst & Young, *USA*

AUSTRALASIA

John Beatson, Databank Systems Ltd, *New Zealand*

William Caelli, ISRCI, QUT, *Australia*

CONFERENCE ORGANIZERS

Elsevier Seminars is part of the international communications group Elsevier Science Publishers Ltd, whose publishing programme in the area of computer security includes books, journals, newsletters and reports. Elsevier's **Computers and Security** is the official journal of IFIP Technical Committee 11.



ELSEVIER
SCIENCE PUBLISHERS LTD



CREATING CONFIDENCE — IN — INFORMATION PROCESSING

SEVENTH INTERNATIONAL
CONFERENCE AND EXHIBITION
ON INFORMATION SECURITY

IFIP TC-11
SEC '91

REGISTRATION FORM

Please photocopy this form and pass the brochure on to your colleagues. Alternatively call +44 (0)865 512242 for additional copies

Please complete in block capitals or type

Surname

First name Title (Prof, Dr, Mr, Ms)

Position

Company/Institute

Address

Post/Zip Code Country

Tel No Fax No

Company Activity

☐ Please register me as a delegate for IFIP/Sec '91 @ £603.75 inc VAT

☐ Please reserve the following hotel accommodation:

Brighton Metropole ☐ Single..... @ £101.20 per night
☐ Twin..... @ £115.00 per night
☐ Double @ £124.20 per night

Norfolk Resort ☐ Single..... @ £ 67.00 per night
☐ Double @ £ 80.00 per night

Kings Hotel ☐ Single..... @ £ 58.00 per night
☐ Twin..... @ £ 75.00 per night
☐ Double @ £ 75.00 per night

Arrival date Departure date No of nights

☐ Please book extra place(s) for accompanying person(s) at the Conference Banquet @ £37.00 per person inc VAT

☐ Please book:

..... Place(s) on Tour 1 @ £10.00 inc VAT

..... Place(s) on Tour 2 @ £36.00 inc VAT

..... Place(s) on Tour 3 @ £22.00 inc VAT



IFIP TC-11
SEC '91



continued overleaf...

REGISTRATION FORM

- ☐ I enclose a cheque payable to Elsevier
- ☐ Please charge my Access/Visa/American Express/Mastercard/Eurocard
(delete as appropriate)

[illegible]

Expiry Date Today's Date

Signature

Name & Address of cardholder if different to address given above:

Name _____

Address

- ☐ Please invoice my company
- ☐ Please invoice me personally for additional costs in respect of accompanying partner(s): _____

- ☐ Tour costs
☐ Dinner costs

Invoice to: Name

Address:

- ☐ Special dietary requirements
- ☐ Please send me an Exhibition Brochure for IFIP/Sec '91

I understand and agree to abide by the terms as set out in the Conference registration brochure

Signature Date

Return completed form to:

Kay Russell
Conference Administrator
Elsevier Seminars
Mayfield House
256 Banbury Road
Oxford OX2 7DH
UK
Tel: +44 (0)865 512242
Fax: +44 (0)865 310981



ELSEVIER
SCIENCE PUBLISHERS LTD

44055