

IFIP sec2007

22nd IFIP TC-11

International
Information
Security
Conference

PROGRAMME

new
approaches
for security,
privacy and
trust in complex
environments

14 — 16 May 2007
Sandton Convention Centre
Sandton, South Africa



*for further information, paper details & registration
please visit the IFIP sec2007 conference website:*

www.sbs.co.za/ifipsec2007

Opening Plenary

Session chair: Jan Eloff — Chairman: IFIP sec2007 Program Committee

08:00—09:00

Registration and Coffee

09:00—09:45

Plenary: Welcome address

09:45—10:30

Keynote address: IT Governance — inside and outside the company
Judge Mervyn King — Non-executive Chairman of BRAIT, South Africa

10:30—11:00

Tea

Session 1: Forensics

11:00—11:40

FORSIGS: Forensic Signature Analysis Of The Hard Drive For Multimedia File Fingerprints

John Haggerty
 Mark Taylor
 Liverpool John Moores University

Session 2: Human

Value creation and Return On Security Investments (ROSI)

Christer Magnusson
 DSV

Session 3: Trust

Trusted Ticket Systems and Applications

Andreas U. Schmidt
 Nicolai Kuntze
 Fraunhofer Institute for Secure Information Technology SIT

11:40—11:45

Change venues

11:45—12:25

Digital Forensic readiness as a component of Information Security best practice

Talania Grobler
 University of Johannesburg
 Buks Louwrens
 Nedbank, South Africa

Usability and Security of Personal Firewalls

Almut Herzog
 Nahid Shahmehri
 Dept. of Computer and Information Science, Linköpings universitet, Sweden

Trust Evaluation for Web Applications based on Behavioral Analysis

Luiz Fernando Rust da Costa Carmo
 Breno Guimarães de Oliveira
 Augusto Cesar Bordini Braga — NCE/ UFRJ

12:25—13:30

Lunch

Session 4: Management

13:30—14:10

Improving the Information Security Model by using TFI

Rose-Mharie Åhlfeldt
 University of Skövde, Sweden
 Paolo Spagnoletti
 Luis Guido Carli University, Italy
 Guttorm Sindre
 NTNU, Norway

Session 5: Network Security

Management of Exceptions on Access Control Policies

Joaquin Garcia-Alfaro
 Frederic Cuppens
 Nora Cuppens-Boulahia
 GET/ENST-Bretagne

Workshop

IFIP TC11 WG 9.6 / 11.7 Security and Control of Identity in Society (SCITS 4)

Covert Identity Information in Direct Anonymous Attestation (DAA)
 Carsten Rudolph Fraunhofer Institute for Secure Information Technology

Safeguarding Personal Data using Rights Management in Pervasive Computing for Distributed Applications

Alf Zugenmaier DoCoMo Eurolabs
 Adolf Hohl University of Freiburg - IIG

Second-hand Hard-drive Disposal & Identity Fraud: A Forensic Analysis for Identifying the Level of Exposure
 Paula Thomas
 Theodore Tryfonas
 University of Glamorgan

14:10—14:15

Change venues

14:15—14:55

Ontological Mapping of Common Criteria's Security Assurance Requirements

Andreas Ekelhart
 Stefan Fenz
 Gernot Goluch
 Edgar Weippl
 Secure Business Austria

Security Analysis of Two Ultra-Lightweight RFID Authentication Protocols

Tieyan Li
 Guilin Wang
 Institute for Infocomm Research

14:55—15:30

Tea

Session 6: Management

15:30—16:10

Exploratory survey on an evaluation model for a sense of security

Natsuko Hikage
 Yuko Murayama
 Iwate Prefectural University
 Carl Hauser
 Washington State University

Session 7: Network Security

Phishing in the Wireless: Implementation and Analysis

Ivan Martinovic
 Frank Zdarsky
 Adam Bachorek
 Christian Jung
 University of Kaiserslautern

Workshop

IFIP TC11 WG 9.6 / 11.7 Security and Control of Identity in Society (SCITS 4)

An analysis of security and privacy issues relating to RFID enabled ePassports

Eleni Kosta ICRI - K.U.Leuven
 Martin Meints & Marit Hansen
 Independent Centre for Privacy Protection, Schleswig-Holstein
 Mark Gasson
 University of Reading, Department of Cybernetics

Identification Now and in the Future: Social Grant Distribution Process in South Africa
 Stephen Flowerday & Gideon Ranga
 University of Fort Hare

PANEL DISCUSSION: Identification now and in future — Who identifies whom, why and how?

16:10—16:15

Change venues

16:15—16:55

Employees' Adherence to Information Security Policies: An Empirical Study

Mikko Siponen
 Seppo Pahnla
 University of Oulu
 Adam Mahmood

Secure Path-Key Revocation for Symmetric Key Pre-distribution Schemes in Sensor Networks

Tyler Moore
 Jolyon Clulow
 University of Cambridge

Plenary

08:30—09:30

Registration and Coffee

09:30—10:30

Keynote address: The Economics and Psychology of Security
Ross Anderson — Computer Laboratory, University of Cambridge, UK

10:30—11:00

Tea

11:00—11:40

Session 8 Access Control

A Credential-Based System for the Anonymous Delegation of Rights

Liesje Demuyne
 Bart De Decker
 Wouter Joosen
K.U.Leuven, Belgium

Session 9 Human

Identity Theft – Empirical evidence from a Phishing exercise

Tjaart Steyn
 Hennie Kruger
 Lynette Drevin
North-West University (Potchefstroom Campus)

Session 10 Intrusion Detection Systems

Personal Anomaly-based Intrusion Detection Smart Card Using Behavioural Analysis

Alexander Maciej Rossudowski
 Hein Venter
 Jan Eloff
University of Pretoria

11:40—11:45

Change venues

11:45—12:25

Development and Application of a Proxy Server for Transparently, Digitally Signing E-Learning Content

Christian Josef Eibl
 Sigrid Schubert
University of Siegen
 Basie von Solms
University of Johannesburg

A practical usability evaluation of security features in end-user applications

Steven Furnell
 Dimitris Katsabas
 Paul Dowland
 Fraser Reid
University of Plymouth

A Survey of Bots Used for Distributed Denial of Service Attacks

Vrizlynn Thing
 Morris Sloman
 Naranker Dulay
Imperial College London

12:25—13:30

Lunch

13:30—14:10

Session 11 Access Control

A Hybrid PKI-IBC Based Ephemerizer System

Srijith K. Nair
 Bruno Crispo
 Andrew S. Tanenbaum
Vrije Universiteit
 Mohammad T. Dashti *Centrum voor Wiskunde en Informatica (CWI)*

Session 12 Privacy

Security Remarks on a Convertible Nominative Signature Scheme

Guilin Wang
 Feng Bao
Institute for Infocomm Research

Workshop Session A

Toward User Evaluation of IT Security Certification Schemes: A Preliminary Framework
 Nick Tate, Sharmar Lichtenstein, Matthew Warren

Teaching Information Security in the postgraduate health care and nursing program
 Tatjana Welzer, Marko Hölbl, Ana Habjanic, Bostjan Brumen, Marjan Druzovec

Remote Virtual Information Assurance Network
 Ronald Dodge JR
 Cory Bertram
 Daniel Ragsdale

14:10—14:15

Change venues

14:15—14:55

Keystroke Analysis for Thumb-based Keyboards on Mobile Devices

Sevasti Karatzouni
 Nathan Clarke
University of Plymouth

Using Payment Gateways to Maintain Privacy in Secure Electronic Transactions

Alapan Arnab
 Andrew Hutchison
University of Cape Town

Workshop Session B

Certifying the Computer Security Professional Using the Project Management Institute's PMP Model
 Kara Nance
 Brian Hay

PANEL DISCUSSION: Topic and participants to be announced.

14:55—15:30

Tea

15:30—16:10

Session 13 Access Control

A role-based architecture for seamless identity management and effective task separation

Evangelos Kotsovinos
 Jörg Heuer
Deutsche Telekom Laboratories
 Ingo Friesse
 Martin Kurze
T-Systems

Session 14 Privacy

A Middleware Architecture for Integrating Privacy Preferences and Location Accuracy

Claudio Ardagna
 Marco Cremonini
 Ernesto Damiani
 Sabrina De Capitani di Vimercati
DTI - University of Milan

16:10—16:15

Change venues

16:15—16:55

Extending Role Based Access Control Model for Distributed Multidomain Applications

Yuri Demchenko
 Leon Gommans
 Cees de Laa
University of Amsterdam

Enabling Privacy of Real-Life LBS: A Platform for Flexible Mobile Service Provisioning

Jan Zibuschka
 Lothar Fritsch
 Mike Radmacher
 Tobias Scherner
 Kai Rannenberg
Goethe University Frankfurt

Plenary

08:30—09:30

Registration and Coffee

09:30—10:30

Keynote address:

Modernising MAC: New Forms for Mandatory Access Control in an Era of DRM

Bill Caelli — Information Security Institute, Queensland University of Technology

10:30—11:00

Tea

Session 15

Access Control

Crafting Web Counters into Covert Channels

Xiapu Luo
Edmond W. W. Chan
Rocky K. C. Chang
The Hong Kong Polytechnic University

Session 16

Security Services

Non-Repudiation in Internet Telephony

Andreas U. Schmidt
Nicolai Kuntze
Fraunhofer Institute for Secure Information Technology SIT
Christian Hett
ARTEC Computer GmbH

11:00—11:40

11:40—11:45

Change venues

11:45—12:25

OPA: Onion Policy Administration Model - Another approach to manage rights in DRM

Thierry Sans
Frederic Cuppens
Nora Cuppens-Boulahia
GET/ENST-Bretagne

FirePatch: Secure and Time-Critical Dissemination of Software Patches

Håvard Johansen
Dag Johansen
University of Tromsø, Norway
Robbert van Renesse
Cornell University, USA

12:25—13:30

Lunch

Session 17

Access Control

An experimental evaluation of multi-key strategies for data outsourcing

Ernesto Damiani
Sabrina De Capitani di Vimercati
Sara Foresti
DTI - University of Milan
Sushil Jajodia
George Mason University

Session 18

Trust & IDS

Using Trust to Resist Censorship in the Presence of Collusion

Andriy Panchenko
Lexi Pimenidis
RWTH Aachen University

13:30—14:10

14:10—14:15

Change venues

14:15—14:55

Building a Distributed Semantic-aware Security Architecture

Jan Kolter
Rolf Schillinger
Günther Pernul
University of Regensburg

Evaluating the Effects of Model Generalization on Intrusion Detection Performance

Zhuowei Li
Indiana University
Amitabha Das
NTU
Jiānying Zhou
I2R

14:55—15:15

Closing Plenary

Please note that this program is still subject to revision and may change without notification.

REGISTRATION

CONFERENCE FEES	Late	Normal	Early Bird
Full 3 Days	R 6400	R 5800	R 4300
Single Day	R 2350	R 2150	R 1750
Students	R 2150	R 1950	R 1750

Early Bird fee for bookings made and paid for on or before: 28 February 2007

Normal fee for bookings made and paid for on or before: 13 April 2007

Late fees for booking and payments on or after: 14 April 2007

FULL FEES include value added tax, lunch, refreshments, welcome cocktail function, gala dinner, conference documentation and parking.

STUDENT FEES include the cocktail party but exclude the gala dinner which may be booked at an additional cost of R350

Students must be full time students at a recognized tertiary institution and 25 or under.

When registering, enter 'student' under job title and the name of your tertiary institution under organisation.

ACCOMPANYING PARTNERS can attend the cocktail party and gala dinner at a cost of:

Cocktail party R200

Gala Dinner R350

All fees must be paid before admittance to the conference — NO PAYMENT NO ADMITTANCE

Please Note:

Bookings may be made from the official conference website www.sbs.co.za/ifipsec2007.

All bookings will be confirmed within 48 working hours. Postal bookings made within 10 DAYS of the event must be confirmed by telephone, fax or email.

Payment can be made by cheque, electronic transfer or credit card (Visa or Mastercard).

Cheques should be made payable to Strategic Business Services (Pty) Ltd.

All cancellations MUST be confirmed in writing to SBS and an SBS cancellation reference obtained.

Cancellations cannot be refunded if cancelled within 10 working days of the event.

Cancellations prior to 10 working days will be refunded less 10% cancellation fee providing a cancellation reference has been obtained from SBS.

Substitution of delegates will be permitted and all name changes must be communicated to SBS by fax or email.

In the event of unforeseen circumstances we reserve the right to change the venue, dates and programme.

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