

FINAL PROGRAMME – ISSA 2009

Day 1 – Monday, 6 July 2009			
07:30–09:00	Registration		
	<i>Session chair: Marijke Coetzee</i>		
09:00-09:10	Welcome address: Prof Hein Venter, Conference Co-chair, University of Pretoria		
09:10-09:50	Security Metrics -- how and where they can be used? <i>Plenary session: Guest speaker - Reijo Savola,</i> Network and information security research coordinator, VTT Technical Research Centre of Finland		
09:50-10:30	The DST funded Information Security Centre of Competence (ISCoC) <i>Dr Barend Taute - CSIR Meraka Institute</i> The talk addresses the Centre of Competence concept and focus areas, initial projects, initial results of an audit of South African tertiary education and research, opportunities for cooperation in the National System of Innovation.		
10:30-11:00	Tea		
	<i>Session chair: Marijke Coetzee</i>		
11:00-11:45	Panel Discussion: An Information Security Research Agenda for South Africa <i>Panel Facilitator: Dr Barend Taute - CSIR Meraka Institute</i> <i>Panel members: Basie von Solms, Jan Eloff, Craig Rosewarne (ISG Africa), Jabu Radebe (DOC), Isaac Maredi (DST), Laurens Cloete (Meraka), Sensepost (TBC)</i> This discussion will address the concept and objectives of a national research agenda to lead to new innovations, touch on introductory ideas and provide an open forum discussion to identify key topics for a national information security research agenda		
11:45-12:30	Teaching and Timing <i>Marco Slaviero – SensePost</i> This talk will discuss the gap between industry and academia in the security arena with an emphasis on real world examples and scenarios.		
12:30-13:30	Lunch		
	Stream 1 – (Reviewed Papers)	Stream 2 – (Reviewed Papers)	Stream 3 – (Research in Progress)
	<i>Digital forensics</i> <i>Session chair: Jacqui Chetty</i>	<i>Organisational security</i> <i>Session chair: Johan van Niekerk</i>	<i>Session chair: Michael Köhn</i>
13:30-14:00	A theoretical approach to live forensic acquisition. Marthie Grobler and Basie von Solms	BC3I – Towards requirements specification for preparing an information security budget. Moses Dlamini, Mariki Eloff, Jan Eloff and Karin Hohne	A Proof of Concept Implementation of a Secure E-Commerce Authentication Scheme Carolin Latze, Andreas Ruppen and Ulrich Ultes-Nitsche Usage Control Policy Enforcement in OpenOffice.org and Information Flow Christian Schaefer, Thomas Walter, Matus Harvan and Alexander Pretschner
14:00-14:30	A high-level overview for Digital Forensics. Cornelia Grobler and Buks Louwrens	Identification of Basic Measurable Security Components in Software-Intensive Systems. Reijo Savola	The design of a logical traffic isolation forensic model. Innocentia Dlamini and Martin Olivier
14:30-15:00	The design of a Wireless Forensic Readiness model (WFRM). Siphos Josia Ngobeni and Hein Venter	Discussing e-government maturity models for the developing world. Geoffrey Karokola and Louise Yngström	Methodology for considering environments and culture in developing information security systems. Jeffy Mwakalinga, Stewart Kowalski and Louise Yngström The state of art of spam and anti-spam strategies and a possible solution using digital forensics. Franscois Ruan Van Staden and Hein Venter
15:00-15:30	Tea		
	Stream 4 – (Reviewed Papers)	Stream 5 – (Reviewed Papers)	Stream 6 – Security (Research in Progress)
	<i>Network security</i> <i>Session chair: Jacqui Chetty</i>	<i>Organisational security</i> <i>Session chair: Namosha Veerasamy</i>	<i>Session chair: Kamil Reddy</i>

15:30–16:00	Investigating the effect of Genetic Algorithms on filter optimisation within fast packet classifiers. Alastair Nottingham and Barry Irwin	A Framework for Web Services Security Policy Negotiation. Tristan Lavarack and Marijke Coetzee	The design of a comprehensive Information Security Policy. Sipho Josia Ngobeni and Martha Maria Grobler Concealing the Medicine: Information Security Education through Game Play Thomas Monk, Johan van Niekerk and Rossouw von Solms
16:00-16:30	Help us! We want to be 'e-secured': digital banking customers' security needs in South Africa. Arthur Goldstuck and Rabelani Dagada	How appropriate is k-anonymity for addressing the conflict between privacy and information utility in microdata anonymisation? Marek P. Zielinski and Martin S. Olivier	Management, Processing and Analysis of Cryptographic Network Protocols Bradley Cowie, Barry Irwin and Richard Barnett Mobile Computing / Communications Security Research at CSIR/MDS-IS Anna BAdimo and Fisseha Mekuria
16:30-17:00	An examination of the Generic Exploit Prevention Mechanisms on Apple's Leopard Operating System. Haroon Meer	An analysis of authentication for passive RFID tags. Gregory Smith and Marijke Coetzee	
18:00-19:00	Transport from hotels and arrival at Gala Dinner - Pre-dinner drinks		
19:00-22:00	Gala Dinner: Moyo Zoo Lake, Johannesburg – an African cuisine experience! For more information, please see http://www.moyo.co.za/content.asp?subID=8		
22:00	Transport back to hotels (only if you require transport as indicated on your registration form)		

Day 2 – Tuesday, 7 July 2009	
07:30–08:30	Registration <i>Session chair: Hein Venter</i>
08:30-08:40	Welcome address: Dr Marijke Coetzee, Conference Co-chair, University of Johannesburg
08:40-09:10	Security Non Innovation <i>Marinus van Aswegen, Security Architect, (CISSP, ISSMP, ISSAP, CSSLP) Telic Consulting</i> This presentation looks at the impact of security innovation and how this has affected business.
09:10-09:50	Governance of Information Security <i>Winston Hayden, GCEIT, CISA, Vice President & ITGI Liaison - ISACA South Africa</i> This presentation falls within the IT Governance space and focuses on the governance of Information security.
09:50-10:30	The criminological profile of a cyber criminal <i>Dr Alice Maree</i> This talk highlights crime risk factors, predisposing factors, and vulnerability factors that are related to cybercrime. The characteristics of organisations and individuals at risk are discussed with the intent to create awareness of this problem.
10:30-11:00	Tea <i>Session chair: Hein Venter</i>
11:00-11:45	King III <i>Johan Coetzee - DLA Cliffe Decker Hofmeyr</i> King III deals for the first time in detail with IT governance and IT security. The role of an audit committee will be discussed as part of the effective oversight of risk management of a company. An overview will be given of the provisions contained in King 3 with regards to the principle that the board of directors of a company should ensure that IT is aligned with business objectives and sustainability.
11:45-12:30	Data privacy at ABSA <i>Ritasha Jethva - ABSA</i> Data Privacy @ Absa is all about sharing and unpacking the thrills, challenges and lessons learnt on the Absa Group wide Data Privacy Programme
Lunch	

12:30-13:30	Stream 7 – (Reviewed Papers)	Stream 8 – (Reviewed Papers)
	<i>Enterprise security</i> Session chair: Marthie Grobler	<i>Network security</i> Session chair: Kamil Reddy
13:30-14:00	An Introduction to Emerging Threats and Vulnerabilities to Create User Awareness. Namosha Veerasamy and Barend Taute	Automated Firewall Rule Set Generation Through Passive Traffic Inspection. Georg-Christian Pranschke, Barry Irwin and Richard Barnett
14:00-14:30	A survey of computer crime and security in South Africa. Adrie Stander, A Dunnet and J Rizzo	Phishing: How an organization can protect itself. Edwin Frauenstein and Rossouw von Solms
14:30-15:00	Evaluating information security controls applied by Service-Oriented Architecture governance frameworks. Jacqui Chetty and Marijke Coetzee	A Framework for the Rapid Development of Anomaly Detection Algorithms in Network Intrusion Detection Systems. Richard Barnett and Barry Irwin
15:00-15:30	Tea	
	Stream 9 - (Reviewed Papers)	Stream 10 - (Reviewed Papers)
	<i>Enterprise security</i> Session chair: Talania Grobler	<i>Security and Law</i> Session chair: Michael Köhn
15:30–16:00	E-mail Security awareness at Nelson Mandela Metropolitan University (Registrar's Division) Ryno Boshoff and Johan van Niekerk	Too many laws but very little progress! Is South African highly acclaimed information security legislation redundant? Rabelani Dagada, Mariki Eloff and Lucas Venter
16:00-16:30	Investigating identity concealing and email tracing techniques. Ickin Vural and Hein Venter	Inductively deriving an organisational information security risk management agenda by exploring process improvisation. Kennedy Njenga and Irwin Brown
16:30-17:00	RBAC Enhanced Presence Handling. Rudi Victor, Andrew Rutherford and Reinhardt Botha	Integrating Information Security with Information System Architecture and Administration Curricula. Erik Hjelmas, Nils Kalstad Svendsen and Stephen D. Wolthusen
17:00–19:00	Cocktail reception at STH	

Day 3 – Wednesday, 8 July 2009

08:30–09:00	Registration
	Workshop on practical information security awareness and defence mechanisms
	<p>Brief description: The workshop will deal with various types of security issues faced within current technology. Basic techniques will be covered; these include password authoring up to more advanced techniques like software exploits. Invaluable information will be provided specifically for the corporate world on topics such as Intrusion detection systems and firewalls. Often after a few security measures have been taken then the false sense of safety takes home.</p> <p>Therefore one should be informed on important information security topics, in particular social engineering. Practical examples will be covered to demonstrate social engineering attempts. Focus will also be shed on security issues closer to the South African context. Lastly a discussion follows on the flaws of the very popular software MXit as well as a well-known vulnerabilities within the ADSL environment.</p>
	Workshop facilitator: Francois Mouton, Information and Computer Security Architectures Research Group, Department of Computer Science, University of Pretoria
09:00-10:30	Workshop session 1: Password authoring and steganography
10:30-11:00	Tea
11:00-12:30	Workshop session 2: Intrusion detection systems and software exploits
12:30-13:30	Lunch
13:30-15:00	Workshop session 3: Corporate and personal firewalls
15:00-15:30	Tea
15:30-17:00	Workshop session 4: Social engineering and vulnerabilities in the South African context