



Conference Programme

REGISTRATION	MONDAY	TUESDAY	WEDNESDAY
	1 October 2007	2 October 2007	3 October 2007
30 September 16:00 - 18:00 1 October 08:00 - 08:30 15:00 - 16:00 2 October 16:30 - 17:00	M & D Symposium 08:30 - 15:30 Sunset Cruise 16:30 (Leave Hotel) 22:30 (Back at Hotel)	SAICSIT Conference 08:40 - 16:55 AGM 17:00 Gala Dinner 19:00 - late	SAICSIT Conference 08:30 - 12:20

"riding the wave of technology"

30 September to 3 October 2007

Fish River Sun, Sunshine Coast, South Africa

**Annual Conference of the South African Institute
of Computer Scientists and Information Technologists**

MONDAY, 1 OCTOBER 2007
M & D Symposium

SESSION A		SESSION B	
08:30-08:40 General Opening and Welcome			
08:40-08:55	Addressing Bandwidth Limitation in a Developing Country <i>[Mongezi Ngindana and Hussein Suleman]</i>	08:40-08:55	The impact of Culture on Design for e-Government in South-Africa <i>[Alexandros Yeratziotis and Darelle van Greunen]</i>
08:55-09:15	A Model for Information Security Strategic and Tactical Management <i>[Shaun Posthumus and Rossouw von Solms]</i>	08:55-09:15	Towards Measuring the Strategic impact of Government Call Centres <i>[Tshepo Gaadingwa and Reinhardt Botha]</i>
09:15-09:20			
09:20-09:40	A Model for Eye Gaze Interaction in a Direct Manipulation Development Environment <i>[Martin van Tonder, Charmain Cilliers and Jean Greyling]</i>	09:20-09:40	Towards a Model for Enhanced Presence Handling in IM (submitted title: Knock Knock; I'm not here!) <i>[Rudi Victor, Andrew Rutherford and Reinhardt Botha]</i>
09:40-10:00	The use of Meta-Knowledge for enhanced Classifier Combination <i>[Fredrick Edward Kitoogo and Venansius Baryamureeba]</i>	09:40-10:00	The Adaptation of an Intelligent User Interface Model for Contact Centres <i>[Akash Singh and Janet Wesson]</i>
10:00-10:05			
10:05-10:25	An Interactive Prototype for Visualising Novice Programmer Behaviour <i>[Baxolile Mabinya, Charmain Cilliers and Jean Greyling]</i>	10:05-10:25	Towards a Model for Multi-Channel Feedback in Contact Centers <i>[Gaolathe Seelo and Reinhardt A. Botha]</i>
10:25-10:45	Migrating to a Real-Time Distributed Parallel Simulator Architecture -- An Update. <i>[Bernardt Duvenhage]</i>	10:25-10:45	On the Need for Reputation in P3P <i>[Emmanuel Adigun, Wesley Brandi, Martin Olivier and Jan Eloff]</i>
10:45-11:05 TEA			
11:05-11:25	Incorporating Mobile Technology Into the Showroom Sales Environment <i>[Michael Willemse and Reinhardt Botha]</i>	11:05-11:25	Towards a Model for Adaptive User Interfaces for Mobile Visualisation <i>[Bradley Paul van Tonder and Janet Wesson]</i>
11:25-11:45	Alphabet Soup Anyone? Looking at Information Security Management from multiple perspectives <i>[Steve Domingues and Reinhardt Botha]</i>	11:25-11:45	A Natural Language Interface Model for Contact Center Operations <i>[Gopal Ravi Sankar, Jean Greyling and Dieter Vogts]</i>
11:45-11:50			
11:50-12:10	From An Intrusion Detection to A Privacy Enhancing Smart Card <i>[Alexander Maciej Rossudowski, Hein Venter and Jan Eloff]</i>	11:50-12:10	A Comparative Study Between Qualitative Weight Sum and Analytic Hierarchy Process Methodologies <i>[Camilius Sanga, I.M. Venter and J.I. Agbinya]</i>
12:10-12:30	A Framework towards Effective Control in Information Security Governance <i>[Melanie Viljoen and Rossouw Von Solms]</i>	12:10-12:30	Automatic Continuous Speech Recognition for Limited Vocabulary in Xitsonga <i>[Khomotso Athalia Madike, Hendrik Oosthuizen and Jonas Manamela]</i>
12:30-12:35			
12:35-12:55	An Adaptive User Interface for Contact Centres <i>[Bronwin Anastasia Jason and Andre Calitz]</i>	12:35-12:55	Location Sensitivity of a Voronoi-based Sensor Deployment and Reconfiguration Algorithm <i>[Gareth Nicholls, Derrick Kourie, Tinus Strauss and Roelf van den Heever]</i>
12:55-14:00 LUNCH			
14:00-14:15	Development of a model for the Evaluation of the Impact of Rural ICT Projects on Poverty Alleviation in Rural Areas of Developing Countries: An Exploration of Rural Communities in the Eastern Cape, South Africa <i>[Caroline Pade and Dave Sewry]</i>	14:00-14:15	Factors and guidelines to consider for M-Learning User Interface design <i>[Adelin Kantore and Darelle Van Greunen]</i>
14:15-14:30	Towards bridging the digital divide using New ICTs for People with Special needs in Kenya: "Strategies, Challenges and Opportunities from a national perspective." <i>[Walter Wanyama]</i>	14:15-14:30	Challenges perceived by retail sector regarding the adoption of radio frequency identification (RFID) <i>[Haidi Liu and Chris Upfold]</i>
14:30-14:35		14:30-14:50	Corporate and IT Governance in Local Municipalities – Towards a Best Practice <i>[Emile Kaselowski and Rossouw von Solms]</i>
14:35-14:50	An Investigation of Service Management Implementation in the Information and Communication Technology Sector <i>[Robert Benyon]</i>		
14:50-15:10	An Overview of Security Issues in a Converged IEEE 802.11 & 16 Wireless Network <i>[Tonderai Muchenje and H.N. Muyingi]</i>	14:50-15:10	Information Systems Development Paradigms <i>[Daan le Roux]</i>
15:10-15:30 Plenary			

TUESDAY, 2 OCTOBER 2007
SAICSIT Conference

08:40 Welcome	
08:50 KEYNOTE ADDRESS Sujeet Senoi Strategies for Securing Interconnected Critical Infrastructure Networks.	
SESSION A	SESSION B
Chair:	Chair:
09:55 A Hybrid Approach to Automatic Programming for the Object-Oriented Programming Paradigm <i>[Pillay, Nelishia; Chalmers, Caryl]</i>	Supporting CS1 with a Program Beacon Recognition Tool <i>[Leppan, Ronald; Cilliers, Charmain; Taljaard, Marinda]</i>
10:30 TEA	
Chair:	Chair:
10:50 Utilizing Fuzzy Logic and Neural Networks for Effective, Preventative Intrusion Detection in a Wireless Environment <i>[von Solms, Rossouw; Goss, Rob; Botha, Martin]</i>	Peepholes With No Strings Attached: Using Image Processing as Input in Camera-phones <i>[Marsden, Gary; Ah Kun, Leo; Lee, Ken]</i>
11:20	
11:25 SQL's revoke with a View on Privacy <i>[van Staden, Wynand; Olivier, Martin]</i>	A Model to Assess the Benefit Value of Knowledge Management in an IT Service Provider Environment <i>[Pottas, Dalenca; Govender, Surendren]</i>
11:55	
12:00 Evolving Pushdown Automata <i>[Pillay, Nelishia; Naidoo, Amashini]</i>	Generic Process Model Structures: Towards a Standard Notation for Abstract Representations <i>[Kotze, Paula; van der Merwe, Alta; Gerber, Auroa]</i>
12:35 LUNCH	
13:30 KEYNOTE ADDRESS David Ives (Microsoft) Delivering Innovation in IT industry and addressing the Skills Gap locally.	
SESSION A	SESSION B
Chair:	Chair:
14:15 Examining the Influence of Demographic Factors on Internet Users' Information Privacy Concerns <i>[Brown, Irwin; Zukowski, Tomasz]</i>	Providing a Holistic Perspective to Evaluating e-Service Quality in Web-Based Systems: a Multi-Stakeholder Approach <i>[Pather, Shaun; Nomdoe, Herschel]</i>
14:50 COFFEE	
Chair:	Chair:
15:10 Modelling the Factors that Influence Mobile Phone Adoption <i>[Kotze, Paula; van Biljon, Judy]</i>	An ontology-based, multi-modal platform for the inclusion of marginalised rural communities into the knowledge society <i>[Thinyane, Mamello; Dalvit, Lorenzo; Mapi, Thandeka; Terzoli, Alfredo; Clayton, Peter]</i>
15:40	
15:45 A Comparative Study of Two Usability Evaluation Methods Using a Web-Based E-Learning Application <i>[Ssemugabi, Samuel; De Villiers, Ruth]</i>	Identity and Access Management for the Distribution of Social Grants in South Africa <i>[Flowerday, Stephen; Ranga, Gideon]</i>
16:15	
16:20 Assessment of a Framework to Compare Software Development Methodologies <i>[Gruner, Stefan; Klopper, Riaan; Kourie, Derrick G.]</i>	Criteria Used in Selecting Effective Requirements Elicitation Procedures <i>[van der Merwe, Alta; Kotze, Paula]</i>
16:55	
17:00 AGM	

WEDNESDAY, 3 OCTOBER 2007
SAICSIT Conference

08:30 Housekeeping

08:35 KEYNOTE ADDRESS

Dr Andrew Basden

Understanding the whole story that is information technology.

SESSION A

SESSION B

Chair:

Chair:

09:40 Constraint-Based Conversion of Fiction Text to Time-Based Graphical Representation
[Glass, Kevin; Bangay, Shaun]

Knowing You, Knowing Who and Knowing What Counts: A Virtual Conversation
[Woh, S.T.F. and Eslaf, A.]

10:15 TEA

Chair:

Chair:

10:35 Dynamic Role Allocation for Small Search Engine Clusters
[Nakashole, Ndapandula; Suleman, Hussein; Pedzai, Calvin]

Agile Software Development: A Contemporary Philosophical Perspective
[Northover, Mandy; Northover, Alan; Gruner, Stefan; Kourie, Derrick; Boake, Andrew]

11:05

11:10 Design Principles for a Virtual Multiprocessor
[Machanick, Philip]

KernTune: Self-tuning Linux Kernel Performance Using Support Vector Machines
[Yi, Long; Connan, James]

11:40

11:45 Simulating adversarial interactions between intruders and system administrators using OODA-RR
[Grant, Tim; Venter, Hein; Eloff, Jan]

A probabilistic movement model for shortest path formation in virtual ant-like agents
[Chibaya, Colin; Bangay, Shaun]

12:20 LUNCH