

THE 26th ANNUAL SOUTHERN AFRICAN TRANSPORT CONFERENCE and EXHIBITION



THEME

The Challenges of Implementing Policy?

PATRON

The Minister of Transport

**CSIR International Convention Centre (CSIR ICC)
Pretoria, South Africa
9 to 12 July 2007**

and associated:

- **6th South Africa - China Transport Technology Forum**

"Early Bird" registration by 30 June 2007

Issued April 2007

**Final Announcement, Provisional
Programme and Registration Form**

CONTACT DETAILS CORRESPONDENCE AND ENQUIRIES, RETURN OF REGISTRATION FORMS

CONFERENCE SECRETARIAT

c/o Conference Planners
P O Box 36782
Menlo Park
0102

Attention: Ms Ammie Wissing
Tel: +27 (0)12 348-4493
Fax: +27 (0)86 649-8212
E-mail: wissing@iafrica.com
Webpage:
<http://www.up.ac.za/academic/civil/satc.html>

ORGANISING COMMITTEE

Cameron, Mr Bill	TRC Africa (Pty) Ltd
Del Mistro, Prof Romano	University of Cape Town
Gorringe, Mr Kim	SAFAIR
Grundling, Mr J P	Tshwane University of Technology
Heydenrych, Mr André	Consultant
Mashiri, Mr Mac	CSIR Built Environment
Mnguni, Ms Hellen	Department of Transport
Mudaly, Mr Links	Railway Safety Regulator
Oosthuizen, Mr Wimpie	Arcus Gibb (Pty) Ltd
Pretorius, Dr Pieter	ITS (Pty) Ltd
Rabali, Mr Peter	Sindawonye (Pty) Ltd
Ribbens, Dr Hubrecht	CSIR Built Environment
Steynberg, Ms Lizl	Tshwane University of Technology
Verhaeghe, Mr Benoit	CSIR Built Environment
Visser, Prof Alex (Chairman)	University of Pretoria
Wang, Mr Yuchen	SA-China Transport Co-operation Center (SACTCC)
Watt, Capt Brian	Maritime Consultant
Wissing, Ms Ammie	Conference Planners
Zhong, Mr Peng	SA-China Transport Co-operation Center (SACTCC)

INVITATION

Everyone in any way connected with transport is invited to register for the conference! It will be of particular interest to: municipal and provincial employees, policy and decision-makers, academics, researchers, students and professionals active in the planning, construction, manufacturing, logistics, operation and safety of passenger and freight transport, road traffic, rail, maritime and aviation. End-users will also find the conference of interest.

SYNOPTIC PROGRAMME

It is only possible to register for one session per day as each session lasts from 08:30 to 16:30. However, once at the conference, delegates may move between sessions.

DATE	SESSION NO	EVENT
Monday, 9 July		Opening Session
	1A	Public Transport
	1B	Traffic Management and Safety
	1C	Infrastructure
	1D	Aviation
Tuesday, 10 July	2A	Transport Planning
	2B	Traffic Management and Safety
	2C	Infrastructure
	2D	Traffic Engineering
Wednesday, 11 July	3A	Transport Planning
	3B	Capacity Building
	3C	Rail and Transport Logistics
	3D	6th SA-China Transport Technology Forum
Thursday, 12 July	4A	Dangerous Goods Workshop
	4B	SAICE Symposium: Progress on 2010
	4C	HVS Workshop



COCKTAIL PARTY

There will be a cocktail party at the CSIR International Convention Centre after the day's proceedings on **Monday, 9 July 2007**. The SATC Award for the "Best Paper presented at the Conference" and the SAICE's Transportation Division Award for the "Best Paper by a Young Professional" will be announced at this function. Delegates registered for any of the four days of the conference are invited to attend and are requested to indicate their attendance on the registration form.

ACCOMMODATION AND TRANSPORT

	HOTEL 224 596 Schoeman St Arcadia (cnr Leyds and Schoeman Streets) Tel: 012 440-5281 Fax: 012 440-3063 E-mail: hotel224@satis.co.za	TOWN LODGE MENLO PARK Atterbury Rd Menlo Park Tel: 012 348-2711 Fax: 012 348-2820 E-mail: tlmenlo.resv@citylodge.co.za	VILLA VIA LUXURY SUITE HOTEL Cnr Pretorius and Orient Streets, Arcadia Tel: 012 342-9130 Fax: 012 342-9131 E-mail: villa@mweb.co.za
Single room	R315	R500	R695 per room per night (single or double)
Double room	R399	R570 (double bed only)	
Break-fast	Rates include buffet breakfast	English breakfast R62 Continental breakfast R52	Rate includes English breakfast

HOTELS - The above hotels are recommended for accommodation during the conference. **Delegates are responsible for their own arrangements** and it is **recommended that they book their accommodation as soon as possible** to ensure a booking at the hotel of their choice.

TRANSPORT - The organisers will arrange a courtesy bus to transport delegates from the above hotels to the CSIR ICC in the morning and back after the day's proceedings. **Delegates wishing to make use of the courtesy bus should tick the relevant section on the registration form.**

CHINESE DELEGATION

For information and assistance regarding registration for the conference, review of papers and technical matters before, during and after the conference, including invitation letters and official documents for visas in PR China, hotel accommodation, meals, local transport during the conference



and sightseeing logistics matters, please contact: Mr Peng Zhong of the South Africa-China Transport Co-operation Center (SACTCC) in South Africa at +27 72 783-5966 and realherosacn@gmail.com (English and Chinese) and Mr Wang He of the representative office of Sunrise Project Consultants International (SPCI) cc in China at +86 10 6866-0783, mobile phone +86 136 1103-1226 and sactcc@sunrisepci.com (Chinese and English).

EXHIBITION

An exhibition - a showcase for all related industries - will run concurrently with the conference from Monday, 9 to Wednesday, 11 July. Exhibition space (3m x 3m) is available on a first-come, first-served basis. Organisations wishing to exhibit are requested to indicate their interest on the registration form. A floor plan for the exhibition appears on the inside back cover.

PAPERS / ABSTRACTS / CD-ROM

Delegates registered for any of the conference sessions (Monday to Wednesday), the Dangerous Goods Workshop and the SAICE Symposium (Thursday) will receive the following documentation:

- Conference Handbook containing the programme and abstracts of the papers presented at SATC 2007;
- CD-ROM containing full papers and/or PowerPoint presentations submitted in time;
- List of delegates registered by Wednesday, 4 July 2007.

Delegates attending only the HVS course on Thursday will not receive the above documentation.

Copies of the CD-ROM will be available at a cost of R85,00 each.

STUDENT ESSAY COMPETITION

For the first time the Organising Committee has instituted an essay competition open to all registered students (undergraduate as well as postgraduate) at tertiary institutions. The competition is held within the institutions (the Organising Committee has already been in contact with the institutions) and each institution will select its two winners.

Students need to prepare a five-page essay on "The challenges of implementing policy in the transport industry". This relates to the theme of SATC this year. Final selections will be done by each institution by 15 May 2007, and the winning essays submitted to the SATC Secretariat (wissing@iafrica.com).



The two top authors from each institution and their lecturer will be supported to attend three days at SATC 2007. For winners from outside Gauteng, economy class airfare, accommodation in Pretoria, meals and registration will be provided. For winners who will commute, transport costs and registration for the conference will be provided. The winning essays may be included on the conference CD-ROM.

REGISTRATION AND PAYMENT

REGISTRATION - Registration is per day. This four-day conference consists of an opening session, three plenary and 12 parallel sessions (Monday to Wednesday) as well as two workshops and a symposium (Thursday). All sessions take place over a full day and it is therefore possible to **register** for only one session per day. However, once at the conference, delegates are welcome to **move between sessions**, space permitting.

The enclosed "Registration Form" must be completed and sent to the Conference Secretariat with the appropriate remittance. **A separate form must be submitted for each delegate.** Organisations wishing to register more than one delegate are kindly requested to photocopy the blank registration form. It is suggested that delegates retain a copy of their completed form.

FEES - Registration fees are payable in advance by crossed cheque in favour of **SA TRANSPORT CONFERENCE** or by direct bank deposit. It is not possible to pay by credit card. If time is short, forms may be faxed and the registration fee paid at the conference (PLEASE NOTE THAT IN SUCH CASES THE LATE REGISTRATION WILL APPLY).

Fees include 14% VAT (include company VAT number on registration form)	"EARLY BIRD" Registration fee PAID BEFORE OR ON 30 June 2007	LATE REGISTRATION Registration fee PAID AFTER 30 June 2007 (including registrations and payments made at the conference)
DELEGATE - Conference sessions, Dangerous Goods Workshop and SAICE Symposium	R1 100 per person per day	R1 300 per person per day
HVS Workshop (no conference documentation, CD-ROM or briefbag)	R900 per person	R950 per person
PRESENTING AUTHOR on day of presentation only	R850 per person per day	R950 per person per day
BONA FIDE FULL-TIME STUDENT	R500 per student per day	R600 per student per day



THE REGISTRATION FEE INCLUDES:

- Attendance on the registered day(s). All registered delegates are invited to attend the Opening Session on Monday, 9 July.
- Lunch and refreshments on the day(s) of attendance.
- Attendance of the cocktail party on Monday, 9 July - delegates registered for any of the four days of the conference are invited to attend - please indicate on the registration form.
- Transport between the **appointed hotels** and the conference venue.
- A briefbag containing conference documentation (not applicable to the HVS workshop).
- A complete set of the written papers (received in time for printing) on CD-ROM and a printed book of the programme including the abstracts of papers presented (not applicable to the HVS workshop)

INVOICES - If an invoice needs to be submitted before payment can be made, then please give clear details of the person to whom the invoice should be sent to (name, organisation, postal and email address(es), order number, VAT registration number, etc) in order to facilitate payment. Note: **THE LATE REGISTRATION FEE WILL APPLY FOR PAYMENTS MADE AFTER 30 JUNE** (*see table of fees on previous page*).

DIRECT DEPOSITS - Delegates wishing to pay by direct deposit into the conference bank account must send an e-mail to the Conference Secretariat (details on inside front cover) **giving their names, the amount they intend to pay, date of payment, name of their bank and the branch where the deposit will be made**. This will help the organisers to identify payments and credit the correct delegate(s). On receipt of this information the Conference Secretariat will forward the conference bank details.

CONFIRMATION - All delegates registered by close of business on Wednesday, 4 July 2007 will receive confirmation of their registration by e-mail. Please ensure that your **current e-mail address is given on the registration form**.

CANCELLATION - Notification of cancellation received, in writing, prior to 30 June 2007 will be subject to a 25% handling fee and processed after the conference. Delegates may be substituted at any stage. No refunds will be made on cancellations received after 30 June 2007.

CPD ACCREDITATION

The conference is SAICE accredited and professional engineers will earn one credit per day of attendance. The CPD validation number is: provSAICEtr07/00146/07.

COMPENDEX

The conference proceedings may again be covered in the Engineering Information Compendex (an inter documentary referencing source).

**DELEGATES ARE REMINDED THAT
A FAXED OR E-MAILED REGISTRATION
FORM IS TAKEN AS A FIRM COMMITMENT
AND IN THE EVENT OF NON-ATTENDANCE,
THE DELEGATE WILL BE HELD
RESPONSIBLE FOR PAYMENT OF THE
FULL ACCOUNT**

**No payment should be sent without an
accompanying registration form**



PLENARY SPEAKERS



MR CLEM SUNTER, RSA

Clem Sunter was born in Suffolk, England and was educated at Winchester College. He went to Oxford where he read Politics, Philosophy and Economics before joining Charter Consolidated as a management trainee in 1966.

In 1971, he moved to Lusaka in Zambia to work for Anglo American Corporation Central Africa. From there he was transferred in 1973 to the Head Office of Anglo American Corporation of South Africa in Johannesburg. He spent most of his subsequent career in the Gold and Uranium Division, serving as its Chairman and CEO from 1990 to 1996. He is now Chairman of the Anglo American Chairman's Fund, which in a recent survey was rated the premier corporate social responsibility fund in South Africa.

In the early 1980s, he established a scenario planning function in Anglo with teams in London and Johannesburg. Using material from these teams, Mr. Sunter put together a presentation entitled 'The World and South Africa in the 1990s' which became very popular in South Africa in the mid-1980s. In it, two scenarios were offered for South Africa: the 'High Road' of negotiation leading to a political settlement and the 'Low Road' of confrontation leading to a civil war and a wasteland. South Africa took the High Road. Two highlights for Clem were a presentation to FW de Klerk and the Cabinet in 1986 and a visit to Nelson Mandela in prison to discuss the future just before his release.

Since 1987, he has authored 13 books some of which have been bestsellers. His other main interest is seeking to mobilise the private sector in the war against HIV/AIDS.

He was recently awarded an Honorary Doctorate by the University of Cape Town for his work in the field of Scenario Planning. He was also voted by leading South African CEOs as the speaker who made the most significant contribution to, and impact on, best practice and business in South Africa in 2004.



PROF ANASTASOIS IOANNIDES, USA

Dr Anastasios (Tasos) M Ioannides is currently an Associate Professor in the Department of Civil and Engineering at the University of Cincinnati, Ohio, USA. He holds a B.Sc. (First Class Honors) degree from University College, London, UK, as well as M.S. and Ph.D. degrees from the University of Illinois, Urbana, Illinois, USA. His academic career began at Illinois, where he was instrumental in the establishment of the FAA Center of Excellence in Pavement Engineering.

Prior to moving to Cincinnati, he also served as a Senior Research Engineer with the US Army Corps of Engineers. His main research interests lie in analytical methods for soil-structure interaction systems, and more specifically with computerised numerical procedures for concrete pavements. He is the author of more than 60 technical publications in refereed journals and conference proceedings, and has served on a number of professional panels engaged in developing pavement design procedures.

Among his more recent contributions, note may be made to a series of articles on fracture mechanics applications to pavement engineering, on the effective utilisation of neural network and statistical prediction methods through the application of the principles of dimensional analysis, as well as the rediscovery of a little known analytical solution to the problem of edge load transfer.

None of these, however, are as significant as his training of a generation of pavement engineers as a teacher, advisor and research mentor, roles that he cherishes above all others.





DR GEOFF EDMONDS, UK

Geoff Edmonds has been involved in the field of rural development and in particular rural infrastructure for over 30 years. He is especially well known for his work on the use of local resources in rural infrastructure creation and is recognised world wide as an authority on the use of labour based methods. For 18 years he was in charge of the ILO's Programme of Research, Development and

Technical Cooperation on the use of local resources in rural infrastructure. In this capacity he has been involved with the design and implementation of many of the innovative and successful programmes in Africa, Asia and Latin America on labour based methods, rural transport and local level planning. Between 1995 and 2001 he was Director of IT Transport, a company dedicated to providing local resource based solutions to rural infrastructure development. He was, until January of 2006, the Programme Coordinator of the ILO's ASIST AP programme providing advice and support to countries of the Asia- Pacific region on sustainable rural infrastructure development.

He has worked in a total of 28 countries for both short and medium term assignments concerned with the development of projects and programmes aimed at the most effective use of local resources for rural infrastructure creation. He is author of some of the seminal works on labour based methods as well as several publications on rural transport, local level planning and the domestic construction industry in developing countries.

In 2006, he set up Geoff Edmonds and Associates, a company dedicated to providing sustainable solutions to the development and maintenance of rural transport infrastructure programmes.

SESSIONS

(Subject to change)

MONDAY, 9 JULY

08:00 - 09:00	REGISTRATION
OPENING SESSION	
09:00 - 09:05	INTRODUCTION - Prof Alex Visser, Conference Chairman
09:05 - 09:15	WELCOME - Mr Peter Rabali, Chairman, ATC Company
09:15 - 09:45	OPENING ADDRESS - Minister of Transport
09:45 - 10:30	KEYNOTE ADDRESS - CHINA'S GAME: THE EMERGING SUPER DRAGON AND THE IMPLICATIONS FOR AFRICA - Mr Clem Sunter, Chairman: Anglo American Chairman's Fund.
10:30 - 11:00	REFRESHMENTS

**DELEGATES BREAK INTO PARALLEL SESSIONS
AFTER THE REFRESHMENTS BREAK**



MONDAY, 9 JULY

08:00 - 09:00	REGISTRATION
08:30	Briefing for presenters and chairmen in their respective venues
09:00 - 10:30	OPENING SESSION
10:30 - 11:00	REFRESHMENTS
SESSION 1A : PUBLIC TRANSPORT	
11:00 - 11:30	URBAN NON-MOTORISED TRANSPORT (NMT): A critical look at the development of urban NMT policy and planning mechanisms in South Africa from 1996 - 2006 - S Gwala , Department of Transport
11:30 - 12:00	JOHANNESBURG REA VAYA BRT - RA Stanway , City of Johannesburg
12:00 - 12:30	PUBLIC TRANSPORT SERVICE MODAL CHOICE, AFFORDABILITY AND PERCEPTIONS IN AN UNPALATABLE ECONOMIC ENVIRONMENT: THE CASE OF AN URBAN CORRIDOR IN HARARE (ZIMBABWE) - M Nyarirangwe and T Mbara, University of Zimbabwe
12:30 - 12:45	DISCUSSION
12:45 - 13:45	LUNCH
13:45 - 14:15	PUBLIC TRANSPORT NETWORK CLASSIFICATION: A PROPOSED OUTLINE FOR TSHWANE - P A Pienaar , Nyeleti Consulting, M Arnold, G Motuba and D Baloyi, City of Tshwane Metropolitan Municipality
14:15 - 14:45	STATION DEVELOPMENT AS AN ALTERNATIVE FUNDING SOURCE - Z Tofie , Pendulum Consulting
14:45 - 15:15	REFRESHMENTS
15:15 - 16:45	PANEL DISCUSSION ON THE RECAPITALISATION OF MINIBUSES
17:00 - 18:30	COCKTAIL PARTY SPONSORED BY THE CEMENT AND CONCRETE INSTITUTE
18:30	BUS DEPARTS FOR APPOINTED HOTELS



MONDAY, 9 JULY

08:00 - 09:00	REGISTRATION
08:30	Briefing for presenters and chairmen in their respective venues
09:00 - 10:30	OPENING SESSION
10:30 - 11:00	REFRESHMENTS
SESSION 1B : TRAFFIC MANAGEMENT AND SAFETY	
11:00 - 11:30	SUSTAINABLE SAFETY IN THE NETHERLANDS AND THE APPLICABILITY IN SOUTH AFRICA - J C Engelsman and N van Zyl, SSI
11:30 - 12:00	THE CHALLENGES OF IMPLEMENTING A NATIONAL ROAD SAFETY STRATEGY, AND PROGRESS WITH OVERCOMING THEM - W Watson , South African National Roads Agency
12:00 - 12:30	THE ROLE AND FUNCTION OF THE ROAD TRAFFIC MANAGEMENT CORPORATION - A Ismail , Road Traffic Management Corporation and P Venter, ITS
12:30 - 12:45	DISCUSSION
12:45 - 13:45	LUNCH
13:45 - 14:15	CRIME, VIOLENCE AND MOBILITY IN SOUTH AFRICA - B Holtmann , CSIR Defence, Peace, Safety and Security
14:15 - 14:45	NATIONAL INITIATIVES TO PREVENT AND COMBAT VEHICLE CRIME - F Burgers , Business Against Crime
14:45 - 15:15	REFRESHMENTS
15:15 - 15:45	CRIME AND TRANSPORT - DESIGNING A SAFER JOURNEY - K Landman and T Kruger, CSIR Built Environment
15:45 - 16:15	ENHANCING SECURITY AT RAIL CORRIDORS - F Makgaba , SA Rail Commuter Corporation
17:00 - 18:30	COCKTAIL PARTY SPONSORED BY THE CEMENT AND CONCRETE INSTITUTE
18:30	BUS DEPARTS FOR APPOINTED HOTELS



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08:00 - 09:00	REGISTRATION
08:30	Briefing for presenters and chairmen in their respective venues
09:00 - 10:30	OPENING SESSION
10:30 - 11:00	REFRESHMENTS
SESSION 1C: INFRASTRUCTURE	
11:00 - 11:30	AGGREGATE PACKING CHARACTERISTICS OF GOOD AND POOR PERFORMING ASPHALT MIXES - E Denneman , BMJA Verhaeghe, CSIR and E S Sadzik, GDPTRW
11:30 - 12:00	BITUMEN RUBBER CHIP AND SPRAY SEALS IN SOUTH AFRICA - P Hoffmann and C J Potgieter, Potgieter Hattingh Inc
12:00 - 12:30	BITUMEN RUBBER ASPHALT IN SOUTH AFRICA AND EXPERIENCE IN CHINA - R H Renshaw , Bitumen-Rubber Specialist Consultant, P Hoffmann and C J Potgieter, Potgieter Hattingh Inc
12:30 - 12:45	THE APPLICATION OF LOCALLY DEVELOPED PAVEMENT TEMPERATURE PREDICTION ALGORITHMS IN PERFORMANCE GRADE (PG) BINDER SELECTION - E Denneman , CSIR
12:45 - 13:45	LUNCH
13:45 - 14:15	THE PERFORMANCE OF STABILISED PEBBLE BASES UNDER LIGHT URBAN TRAFFIC IN LUANDA, REPUBLIC OF ANGOLA - AJLDA Soares , Africon Engineering International and A T Visser, University of Pretoria
14:15 - 14:45	EVALUATION OF POSSIBLE SWELLING POTENTIAL OF SOIL - P F Savage , University of Pretoria
14:45 - 15:15	REFRESHMENTS
15:15 - 15:45	HEAVY VEHICLE SIMULATOR TESTING ON PRE-CAST CONCRETE PANELS - L du Plessis , CSIR Built Environment and E Kohler, University of California Davis, USA
15:45 - 16:15	THE USE OF INNOVATIVE TECHNOLOGIES TO FACILITATE RAPID REPAIR OF CONCRETE PAVEMENTS - N Y Kong Kam Wa , P Nganjo, BKS (Pty) Ltd, K Pickard, KP Projects cc, J W Dercksen, Worldcon (Pty) Ltd and H Kotze, SANRAL Northern Region
17:00 - 18:30	COCKTAIL PARTY SPONSORED BY THE CEMENT AND CONCRETE INSTITUTE
18:30	BUS DEPARTS FOR APPOINTED HOTELS



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08:00 - 09:00	REGISTRATION
08:30	Briefing for presenters and chairmen in their respective venues
09:00 - 10:30	OPENING SESSION
10:30 - 11:00	REFRESHMENTS

SESSION 1D: AVIATION

PANEL DISCUSSION : “UNLOCKING PARTNERSHIPS FOR CHANGE: 2010 AND BEYOND ...”

Issues to be addressed

AIRLINE INDUSTRY

- Will the airline market continued to grow?
- How is the growth in low cost carriers likely to affect the SA airline market?
- Plans for 2010 and beyond!

AVIATION INFRASTRUCTURE

- Will aviation infrastructure be able to support aviation growth?
- Plans for 2010 and beyond!

AVIATION REGULATION

- Impact of competition or the lack thereof on the airline industry structure.

CROSS CUTTING ISSUES

- Impact of staff poaching on service delivery.

MEASURING THE PERFORMANCE OF AVIATION INSTITUTIONS

- Measuring performance of airports, airlines and airspace service provider

Moderator
Dr Jackie Walters

Panellists : Leading members of the South African aviation industry

11:00 - 11:15	MODERATOR SETS THE SCENE AND INTRODUCES PANELLISTS
11:15 - 12:15	PANELLISTS PRESENT THEIR POINTS OF VIEW ON THE DIFFERENT AREAS OF DISCUSSION
12:15 - 12:45	DISCUSSION AMONGST PANELLISTS
12:45 - 13:45	LUNCH



13:45 - 14:15	QUESTIONS FROM THE FLOOR
14:15 - 14:45	MODERATOR SUMMARISES AND CLOSES THE SESSION
14:45 - 15:15	REFRESHMENTS
	SUBMITTED PAPER PRESENTATIONS
15:15 - 15:45	HUB NETWORK DESIGN FOR SPARSE TRAVEL DEMAND WITHIN THE AFRICAN AVIATION INDUSTRY - B Ssamula , CSIR Built Environment
15:45 - 16:15	AIR TRANSPORT AND THE CHALLENGES FOR 2010 - T Markman , Terry Markman Consultant
17:00 - 18:30	COCKTAIL PARTY SPONSORED BY THE CEMENT AND CONCRETE INSTITUTE
18:30	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 10 JULY

08:00 - 08:30	REGISTRATION
08:00	Briefing for presenters and chairmen in their respective venues
08:30 - 09:25	PLENARY ADDRESS: BEYOND MECHANISTIC-EMPIRICAL DESIGN: TOWARD A PARADIGM SHIFT IN PAVEMENT ENGINEERING - Prof Anastasios Ioannides, University of Cincinnati, USA
09:25 - 09:30	PLENARY BREAKS UP INTO PARALLEL SESSIONS
SESSION 2A: TRANSPORT PLANNING	
09:30 - 10:00	"THE TIME HAS COME ... TO TALK OF MANY THINGS ... OF EMPIRES AND SILOS AND STUDY TOUR FLINGS" - J W M Cameron , TRC Africa
10:00 - 10:30	EXPECTATIONS OF THE NATIONAL TRANSPORT MASTER PLAN - L Situma , Department of Transport
10:30 - 11:00	REFRESHMENTS
11:00 - 11:30	TOWARDS 2020: LAND PASSENGER TRANSPORT STRATEGY AND ACTION PLAN - I Seedat , Department of Transport
11:30 - 12:00	PROMOTIING TRANSIT ORIENTED DEVELOPMENT IN THE ATLANTIS CORRIDOR, CAPE TOWN: TOWARDS AN IMPLEMENTABLE MODEL - P Wilkinson , University of Cape Town and A Marks, HHO Africa
12:00 - 12:30	CONSIDERATIONS WITH REGARD TO A BRT FOR TSHWANE - P A Pienaar , Nyeleti Consulting, J van den Berg and G Motuba, City of Tshwane Metropolitan Municipality
12:30 - 12:45	DISCUSSION
12:45 - 13:45	LUNCH
13:45 - 14:15	EMERGING TRENDS IN THE ECONOMIC EMPOWERMENT OF THE MINIBUS TAXI INDUSTRY - B Kupe , Axios Consulting
14:15 - 14:45	GENERIC GUIDELINES FOR IMPLEMENTING TRANSPORT POLICY - M Mitchell , South African Road Federation
14:45 - 15:15	REFRESHMENTS
15:15 - 15:45	IMPACT OF RAPID URBANISATION OF SOUTH AFRICAN CITIES ON THEIR TRANSPORT POLICIES: A THEORETICAL PERSPECTIVE - A Nevhutanda , Chairpersons of Operating Licences Boards of South Africa
15:45 - 16:15	2010 - WE DID IT IN 1995 AND WILL DO IT AGAIN, IN SPITE OF THE CHALLENGES - B Abelson , TTT Africa
16:15 - 16:45	DISCUSSION
16:45	BUS DEPARTS FOR APPOINTED HOTELS



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09:25 - 09:30	PLENARY BREAKS UP INTO PARALLEL SESSIONS
SESSION 2B: TRAFFIC MANAGEMENT AND SAFETY	
09:30 - 10:00	USE OF TECHNOLOGY IN ENFORCEMENT : PROJECT e-FORCE - G Botha , Road Traffic Management Corporation
10:00 - 10:30	ROAD SAFETY ENGINEERING ASSESSMENTS ON THE RURAL ROAD NETWORK - S Grosskopf , Africon Engineering International
10:30 - 11:00	REFRESHMENTS
11:00 - 11:30	ANALYSIS OF THE PROBLEMS EXPERIENCED BY SCHOLARS DURING SCHOOL TRAVEL - S Dhoda and D Allopi, Durban University of Technology
11:30 - 12:00	WORLD CUP 2010 TRAFFIC SIMULATION - W E Sher, W M Schay and R van Olst, University of the Witwatersrand
12:00 - 12:30	ANALYSIS OF THE SCIENTIFIC ASPECTS RELATED TO MINIBUS TAXI COLLISIONS - R Govender and D Allopi, Durban University of Technology
12:30 - 12:45	DISCUSSION
12:45 - 13:45	LUNCH
13:45 - 14:15	AARTO : ROAD USERS RIGHTS AND OBLIGATIONS - G Botha , Road Traffic Management Corporation
14:15 - 14:45	THE ROAD TRANSPORT MANAGEMENT SYSTEM (RTMS): A SELF REGULATION INITIATIVE IN HEAVY VEHICLE TRANSPORT TO ADDRESS ROAD SAFETY, ACCELERATED ROAD DETERIORATION AND TRANSPORT PRODUCTIVITY - P A Nordengen , CSIR Built Environment and N Pienaar, ASPASA and SARMA
14:45 - 15:15	REFRESHMENTS
15:15 - 15:45	WORKSTUDY VERSUS POLICY IN ASSESSING MANPOWER REQUIREMENTS FOR TRAFFIC LAW ENFORCEMENT - E van Niekerk , Tsela Consulting and B W Davis, KZN Road Traffic Inspectorate
15:45 - 16:15	AN EVALUATION OF THE BENEFITS OF INTELLIGENT SPEED ADAPTATION - E Beukes and M Vanderschuren, University of Cape Town
16:15 - 16:45	LIMPOPO PAVE STRATEGY: A NEW APPROACH TO TRAFFIC RESOURCE MANAGEMENT - H Ribbens , CSIR Built Environment and E Koedyk, Limpopo Dept of Roads and Transport
16:45	BUS DEPARTS FOR APPOINTED HOTELS



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09:25 - 09:30	PLENARY BREAKS UP INTO PARALLEL SESSIONS
SESSION 2C: INFRASTRUCTURE	
09:30 - 10:00	SURFACE MODULI DETERMINED WITH THE FALLING WEIGHT DEFLECTOMETER USED AS BENCHMARKING TOOL - E Horak , University of Pretoria
10:00 - 10:30	APPLICATION OF THE PORTABLE PAVEMENT SEISMIC ANALYSER (PSPA) FOR PAVEMENT ANALYSIS - W J vd M Steyn , CSIR Built Environment and E Sadzik, GDPTRW
10:30 - 11:00	REFRESHMENTS
11:00 - 11:30	A RATIONAL MECHANISTICALLY-BASED APPROACH FOR ALLOCATING HIGHWAY COSTS - J Prozzi, F Hong and J A Prozzi , The University of Texas at Austin, USA
11:30 - 12:00	USE OF NEURAL NETWORKS IN THE PREDICTION OF BEARING CAPACITY OF PAVEMENT STRUCTURES - V Venayagamoorthy and D Allopi, Durban University of Technology
12:00 - 12:30	EFFECT OF WEIGH-IN-MOTION MEASUREMENT ERROR OF THE DETERMINATION OF E80s - J A Prozzi and F Hong, The University of Texas at Austin, USA
12:30 - 12:45	DISCUSSION
12:45 - 13:45	LUNCH
13:45 - 14:15	ASPECTS OF CEMENT TREATED MOZAMBIQUE SAND BASE MATERIAL PERFORMANCE UNDER MMLS3 AND MLS10 APT TRAFFICKING - F Hugo and E R de Vos, University of Stellenbosch
14:15 - 14:45	COMPARISON OF CONTACT STRESSES OF THE TEST TYRES USED BY THE 1/3rd SCALE MODEL MOBILE LOAD SIMULATOR (MMLS3) AND THE FULL-SCALE TEST TYRES OF THE HEAVY VEHICLE SIMULATOR (HVS) - M de Beer , CSIR Built Environment and E M Sadzik, Gauteng Department of Public Transport Roads and Works
14:45 - 15:15	REFRESHMENTS
15:15 - 16:15	APPLICATIONS OF OBSERVATIONAL TECHNIQUES IN PAVEMENT ENGINEERING - WJ vd M Steyn , CSIR Built Environment and TUT
16:45	BUS DEPARTS FOR APPOINTED HOTELS



TUESDAY, 10 JULY

08:00 - 08:30	REGISTRATION
08:00	Briefing for presenters and chairmen in their respective venues
08:30 - 09:25	PLENARY ADDRESS: BEYOND MECHANISTIC-EMPIRICAL DESIGN: TOWARD A PARADIGM SHIFT IN PAVEMENT ENGINEERING - Prof Anastasios Ioannides, University of Cincinnati, USA
09:25 - 09:30	PLENARY BREAKS UP INTO PARALLEL SESSIONS
SESSION 2D: TRAFFIC ENGINEERING	
09:30 - 10:00	SATURATION FLOW RATES - C J Bester and W L Meyers, University of Stellenbosch
10:00 - 10:30	KOEBERG NUCLEAR EMERGENCY PLAN: TRAFFIC EVACUATION MODEL - J Jones , S Naude, G van Wyngaardt and A Marks, HHO Africa Infrastructure Engineers
10:30 - 11:00	REFRESHMENTS
11:00 - 11:30	TURBO CIRCLES AS AN ALTERNATIVE TO TWO LANE TRAFFIC CIRCLES AND TRAFFIC LIGHTS - J C Engelsman and M Uken, SSI
11:30 - 12:00	THE MODERN ROUNDABOUT - TRANSITION FROM RURAL TO URBAN ENVIRONMENT? - F H van Renssen, C R Tichauer , BKS (Pty) Ltd and W Silbernagl, Provincial Government Western Cape
12:00 - 12:45	DISCUSSION - ROUNDABOUTS: CONCEPTS, DESIGN AND APPLICATION
12:45 - 13:45	LUNCH
13:45 - 14:15	SPEED TRENDS ON MAJOR ROADS IN SOUTH AFRICA - C J Bester and F Geldenhuys, University of Stellenbosch
14:15 - 14:45	CALIBRATING MICROSCOPIC SIMULATION MODELS - M Vanderschuren , University of Cape Town
14:45 - 15:15	REFRESHMENTS
15:15 - 15:45	MICRO-SIMULATION MODELLING OF ITS MEASURES ON THE BEN SCHOEMAN HIGHWAY - M Vanderschuren and M Muberuka , University of Cape Town
15:45 - 16:15	THE ROLE OF MICROSCOPIC SIMULATION MODELLING IN THE PLANNING OF TRANSPORT CORRIDORS - H Ntoi and M Vanderschuren, University of Cape Town
16:45	BUS DEPARTS FOR APPOINTED HOTELS



WEDNESDAY, 11 JULY

08:00 - 08:30	REGISTRATION
08:00	Briefing for presenters and chairmen in their respective venues
08:30 - 09:25	PLENARY ADDRESS: DEVELOPING RATIONAL AND COHERENT TRANSPORT POLICY: LESSONS FROM THE SUB SAHARAN TRANSPORT POLICY PROGRAMME - Dr Geoff Edmonds , Geoff Edmonds and Associates, UK and T Nahunesay, Deputy Director of the SSATP
09:25 - 09:30	PLENARY BREAKS UP INTO PARALLEL SESSIONS
SESSION 3A: TRANSPORT PLANNING	
09:30 - 10:00	THE TRIGGERS OF BEHAVIOUR CHANGE AND IMPLICATIONS FOR TDM TARGETING: FINDINGS OF A RETROSPECTIVE COMMUTER TRAVEL SURVEY IN CAPE TOWN - R Del Mistro , R Behrens, University of Cape Town, M Lombard, TRC Africa and C Venter, University of Pretoria
10:00 - 10:30	THE PACE OF BEHAVIOUR CHANGE AND IMPLICATIONS FOR TDM RESPONSE LAGS AND MONITORING: FINDINGS OF A RETROSPECTIVE COMMUTER TRAVEL SURVEY IN CAPE TOWN - R Behrens , R Del Mistro, University of Cape Town, M Lombard, TRC Africa and C Venter, University of Pretoria
10:30 - 11:00	REFRESHMENTS
11:00 - 11:30	DISCUSSION ON TDM TARGETING
11:30 - 12:00	THE QUESTION OF ROAD TRAFFIC CONGESTION AND DECONGESTION IN THE GREATER JOHANNESBURG AREA: SOME PERSPECTIVES - J Chakwizira , University of Venda
12:00 - 12:30	APPLICATION OF ROBUST METHODS TO CAR OWNERSHIP TRENDS MODELLING IN JOHANNESBURG - J Kelly , City of Johannesburg
12:30 - 12:45	DISCUSSION
12:45 - 13:45	LUNCH
13:45 - 14:15	CREATING LIVABLE COMMUNITIES: A CASE STUDY OF THE HEARTLAND SITE SOMERSET WEST - A Frieslaar , J Jones and T Marks, HHO Africa Infrastructure Engineers
14:15 - 14:45	GENDER AND TRANSPORT: TOWARDS A PRACTICAL ANALYSIS FRAMEWORK FOR IMPROVED PLANNING - C Venter , University of Pretoria, M Mashiri and D Buiten, CSIR Built Environment
14:45 - 15:15	REFRESHMENTS
15:15 - 15:45	TRANSPORT INTERCHANGES - MODE OR NODE? - L Dobrovolsky and A Marsay, Arup (Pty) Ltd
15:45 - 16:45	PANEL DISCUSSION
16:45	BUS DEPARTS FOR APPOINTED HOTELS



WEDNESDAY, 11 JULY

08:00 - 08:30	REGISTRATION
08:00	Briefing for presenters and chairmen in their respective venues
08:30 - 09:25	PLENARY ADDRESS: DEVELOPING RATIONAL AND COHERENT TRANSPORT POLICY: LESSONS FROM THE SUB SAHARAN TRANSPORT POLICY PROGRAMME - Dr Geoff Edmonds , Geoff Edmonds and Associates, UK and T Nahunesay, Deputy Director of the SSATP
09:25 - 09:30	PLENARY BREAKS UP INTO PARALLEL SESSIONS
SESSION 3B: CAPACITY BUILDING	
09:30 - 10:00	CAPACITY BUILDING CHALLENGES FOR THE TRANSPORT SECTOR POLICY IMPLEMENTATION INITIATIVES IN SOUTH AFRICA - J Mzaliya , Department of Transport
10:00 - 10:30	THE TRAINING AND ACCREDITATION OF ROAD BUILDERS AND ARTISANS IN NAMIBIA - J M Kaber and E Thomas, Africon Namibia (contributions by S Poolman, Roads Authority and A Jaf, Roads Contractor Company)
10:30 - 11:00	REFRESHMENTS
11:00 - 11:30	REALIZING THE PROMISE OF LABOUR-BASED METHODOLOGIES: CAPACITY BUILDING FOR THE EXTENDED PUBLIC WORKS PROGRAM - T Elias , ILO
11:30 - 12:00	SKILLS SHORTAGES IN THE TRANSPORT SECTOR - HOW TO ACCOUNT FOR THIS AND WHAT TO DO: A DISTANT VIEW - P Mohan , Department of Transport
12:00 - 12:30	CAPACITY CHALLENGES FACING THE NEPAD TRANSPORT SECTOR POLICY IMPLEMENTATION - NEPAD/DBSA/AfDB representative
12:30 - 12:45	DISCUSSION
12:45 - 13:45	LUNCH
13:45 - 14:15	POLICY IMPLEMENTATION CHALLENGES IN GOVERNMENT: UNPACKING THE CRITICAL ROLE OF CAPACITY BUILDING AND GOOD GOVERNANCE Round table discussion - Facilitated by a policy analyst
14:45 - 15:15	REFRESHMENTS
15:15 - 16:00	HARNESSING PUBLIC AND PRIVATE SECTOR RESOURCES TO BRIDGE THE SKILLS GAP FOR SUCCESSFUL POLICY IMPLEMENTATION IN A "CRISIS SITUATION" Round table discussion - Facilitated by a policy analyst
16:00 - 16:30	WAY FORWARD - Facilitator
16:45	BUS DEPARTS FOR APPOINTED HOTELS



WEDNESDAY, 11 JULY

08:00 - 08:30	REGISTRATION
08:00	Briefing for presenters and chairmen in their respective venues
08:30 - 09:25	PLENARY ADDRESS: DEVELOPING RATIONAL AND COHERENT TRANSPORT POLICY: LESSONS FROM THE SUB SAHARAN TRANSPORT POLICY PROGRAMME - Dr Geoff Edmonds , Geoff Edmonds and Associates, UK and T Nahunesay , Deputy Director of the SSATP
09:25 - 09:30	PLENARY BREAKS UP INTO PARALLEL SESSIONS
SESSION 3C: RAIL AND TRANSPORT LOGISTICS	
09:30 - 10:00	AN OVERVIEW OF OPERATIONS OF THE PORT/RAIL INTERFACE AT THE PORT OF DURBAN - P Foolchand , Transnet Projects
10:00 - 10:30	LEVERAGING GLOBAL RAILWAY INSIGHT INTO SOUTH AFRICA AND AFRICA - R D van der Meulen , Railway Corporate Strategy cc
10:30 - 11:00	REFRESHMENTS
11:00 - 11:30	SOME GLOBAL TOUCHSTONES IN RAILWAY ADAPTATION - R D van der Meulen and L C Möller , Railway Corporate Strategy
11:30 - 12:00	A LIFE CYCLE COST ANALYSIS OF THE GAUTENG TO DURBAN FREIGHT CORRIDOR: INFRASTRUCTURE COSTING - B S Morton , Ninham Shand Consulting Engineers, A T Visser and E Horak , University of Pretoria
12:00 - 12:30	A LIFE CYCLE COST ANALYSIS OF THE GAUTENG TO DURBAN FREIGHT CORRIDOR: MAINTENANCE COSTING - B S Morton , Ninham Shand Consulting Engineers, A T Visser and E Horak , University of Pretoria
12:30 - 12:45	DISCUSSION
12:45 - 13:45	LUNCH
13:45 - 14:15	TRANSPORT AND THE ACCELERATED GROWTH INITIATIVE OF SOUTH AFRICA - Have we mainstreamed? - O Musandu-Nyamayaro , University of Venda
14:15 - 14:45	MANAGING OPERATIONAL SAFETY IN ALL PHASES OF THE LIFE CYCLE OF RAILWAY OPERATIONS - M Panzera , Railway Safety Regulator
14:45 - 15:15	REFRESHMENTS
15:15 - 15:45	DEVELOPMENT OF A NATIONAL FREIGHT INFORMATION SYSTEM - C Manyungwana , Department of Transport
15:45 - 16:15	DISCUSSION ON CURRENT ISSUES OF FREIGHT AND LOGISTICS
16:45	BUS DEPARTS FOR APPOINTED HOTELS



WEDNESDAY, 11 JULY

08:00 - 08:30	REGISTRATION
08:00	Briefing for presenters and chairmen in their respective venues
08:30 - 09:25	PLENARY ADDRESS: DEVELOPING RATIONAL AND COHERENT TRANSPORT POLICY: LESSONS FROM THE SUB SAHARAN TRANSPORT POLICY PROGRAMME - Dr Geoff Edmonds , Geoff Edmonds and Associates, UK and T Nahunesay, Deputy Director of the SSATP
09:25 - 09:30	PLENARY BREAKS UP INTO PARALLEL SESSIONS
SESSION 3D: 6TH SA-CHINA TRANSPORT TECHNOLOGY FORUM SAAE, SACTCC and CFE, TUT	
09:30 - 09:45	INFLUENCE OF POLYESTER FIBER ON PERFORMANCE OF ASPHALT MIXTURE - H Zhu , J Yang, L Cong, J Cui and J Wan, Southeast University, PR China
09:45 - 10:00	APPLICATION OF EXTERNAL CFRP PRESTRESSING ON HEWEI BRIDGE, CHINA - J Huang, W Xia, Dept of Communications of Jiangsu Province, Y Zhang, R Zhang, Highway Dept of Huai'an Municipality, P Wang and H Ding , Southeast University, PR China
10:00 - 10:15	RESEARCH ON THE PERFORMANCE OF DOMESTIC EPOXY ASPHALT MIXTURE - S Luo , J Wang and Z Qian, Southeast University, PR China
10:15 - 10:30	EVALUATION OF RUTTING RESISTANCE OF ASPHALT PAVEMENTS BY CIRCULAR ROAD TRACKING TEST - J Yang , H Lu, J Cui, Southeast University, G Qian, W Pan and Y Yang, Jiangsu Provincial Communications Dept, PR China
10:30 - 11:00	REFRESHMENTS
11:00 - 11:15	INFLUENCE OF ULTRAVIOLET AGING ON ASPHALT PERFORMANCES - Y-q Tan , J-n Wang , Harbin Institute of Technology, Z-l Feng, Jiangsu Transport Research Institute and X-y Zhou, The Ministry of Communications, PR China
11:15 - 11:30	IMPROVEMENT OF FAC DESIGNING METHOD - Z-s Ge , South China University of Technology and J-p Zhang, Southeast University, PR China
11:30 - 11:45	DISCUSSION ON SEAM AND ASPHALT CONTENT OF MODIFIED ASPHALT BY SEAM - W Wang , J Cheng and J Wang, Southeast University, PR China
11:45 - 12:00	THE STUDY OF THE MECHANISM OF THE RUTTING OF ASPHALT PAVEMENT - L-j Wang , Y-q Tan and F-x Chi, PR China



12:00 - 12:15	WORKABILITY OF EPOXY ASPHALT USED IN STEEL DECK PAVEMENT - H Lu , J Yang, X Shi, J Wang, Southeast University, H Nakanishi, S Takei and S Chi, Taiyu Kensetsu Co Ltd, PR China
12:15 - 12:30	LONG TERM AGING OF PP/ASPHALT PAVING MIXTURES - A Al-Hadidy and Y-q Tan, Harbin Institute of Technology, PR China
12:30 - 12:45	DISCUSSION
12:45 - 13:45	LUNCH
13:45 - 14:00	A UL FORMULATION FOR CABLE STATE OF EXISTING CABLE-STAYED BRIDGE - J Huang , R Wang and T Tang, South China University of Technology, PR China
14:00 - 14:15	ANALYSIS AND COUNTERMEASURES FOR INFLUENCING FACTORS OF EXTRACTION AND RECOVERY EXPERIMENTS OF MODIFIED ASPHALT - X-m Huang , T Ma and J-p Zhang , Southeast University, PR China
14:15 - 14:30	TEMPERATURE INFLUENCE ON PERFORMANCE OF WATERPROOFING MATERIALS APPLIED TO ORTHOTROPIC STEEL BRIDGE DECK PAVEMENT - Y Fan , J Wang, X Chen, Z Qian, Southeast University and Yangtze River Bridge Company Ltd, PR China
14:45 - 15:15	REFRESHMENTS
15:15 - 15:30	APPLICATION OF NEW TYPE MODIFIED ASPHALT MIXTURE USED AT LOW TEMPERATURES CONSTRUCTIONS - X-l Wang , J-p Zhang, X-m Huang and W Xiao, PR China
15:30 - 15:45	RESEARCH OF EXTENSIONAL EVALUATION METHOD FOR ROAD SAFETY - G Shi , H Yuan and J Cheng, PR China
15:45 - 16:45	<p>Optional extra papers:</p> <p>EVALUATION OF PYROLISIS LDPE MODIFIED ASPHALT PAVING MATERIALS - A Al-Hadidy and T-q Tan, PR China</p> <p>THE CONTROL OF SAFETY OF DRIVING ON FREEWAY IN RAINY DAYS - Y Cheng, F Chen and F Zhang, PR China</p> <p>USING DEFLECTION CURVES MEASURED BY FWD TO IDENTIFY THE VOID BENEATH THE CEMENT CONCRETE SLAB - X-k Li, X-s Hou and S-l Ma, PR China</p> <p>RESEARCH OF THE APPLICATION OF THE GOLDEN SECTION IN THE GUIDE SIGN'S SIZE AND ARRANGE DESIGN - F Wang and F Chen, PR China</p> <p>PRACTICE OF POROUS ASPHALT PAVEMENT ON YAN-TONG FREEWAY IN CHINA - C Yin, J Yang, D Cao, S Ge, Q Liu and G Qian, PR China</p> <p>INCIDENT MANAGEMENT SYSTEM DEVELOPMENT AND APPLICATION FOR THE NORTHERN SECTION OF NINGLIAN EXPRESSWAY - S Yang, F Ni and W Wang, PR China</p>



	<p>LIFE-CYCLE ANALYSIS OF BRIDGE STRUCTURAL EVALUATION - Y Wang, Sunrise Project Consultants International (SPCI)/Tshwane University of Technology (TUT)</p> <p>RUT ANALYSIS OF ASPHALT PAVEMENT BASED ON ELASTIC-VISCOPLASTIC THEORY - J-p Zhang, X-l Wang and X-m Huang, PR China</p> <p>ANALYSIS OF TRAFFIC FEATURES IN VEHICLE ACCESS OF LARGE PUBLIC BUILDINGS IN THE URBAN AREA - N Zhang, Z Qian, X Zhuo and K Chen, PR China</p> <p>REVISION OF PHYSICAL MODEL FOR CALCULATION OF STOPPING SIGHT DISTANCE - H Yuan, G Shi and J Cheng, PR China</p> <p>APPLICATION OF DMA IN INVESTIGATING THE RHEOLOGICAL PROPERTY OF ASPHALT - F-x Chi, X-n Zhang and L-j Wang, PR China</p>
16:45	BUS DEPARTS FOR APPOINTED HOTELS

THURSDAY, 12 JULY

08:00 - 08:30	REGISTRATION
08:00	Briefing for presenters and chairmen in their respective venues
SESSION 4A: WORKSHOP - LEGAL REQUIREMENTS FOR THE TRANSPORTATION OF DANGEROUS GOODS IN SOUTH AFRICA	
CHAIRPERSON: Dr G Visser , Executive: Standards South Africa	
08:30 - 08:35	OPENING AND WELCOME BY CHAIRPERSON
08:35 - 08:55	KEYNOTE ADDRESS - M Mofi , CEO: Railway Safety Regulator
08:55 - 09:00	CHAIRPERSON INTRODUCE SPEAKERS
INTERNATIONAL AND OTHER REQUIREMENTS	
09:00 - 09:30	UNITED NATIONS RECOMMENDATIONS AND ITS IMPACT ON SOUTH AFRICA - D Fourie , Standards South Africa
09:30 - 10:00	GLOBALLY HARMONISED SYSTEMS: STATUS QUO - Dr L Lotter , Chemical and Allied Industries
10:00 - 10:30	ADOPTIONS OF CHEMICAL TRADE CONVENTIONS AND PROTOCOLS - E Steyn , Department of Trade and Industry
10:30 - 11:00	REFRESHMENTS
LEGAL UPDATE: TRANSPORTATION OF DANGEROUS GOODS	
11:00 - 11:35	TRANSPORTATION OF RADIOACTIVE MATERIAL - P Hinrichsen , National Nuclear Regulator
11:35 - 12:10	TRANSPORTATION OF DANGEROUS GOODS BY ROAD: NATIONAL ROAD TRAFFIC ACT, REGULATIONS AND SUPPORTING STANDARDS - J Motsatsing , Department of Transport
12:10 - 12:45	TRANSPORTATION OF DANGEROUS GOODS BY RAIL: NATIONAL RAILWAY SAFETY REGULATOR ACT AND STANDARDS - L Mudaly , Railway Safety Regulator
	CHAIRPERSON'S CLOSING REMARKS
12:45 - 13:45	LUNCH
CHAIRPERSON: Dr L Lotter , Chemical and Allied Industries	
13:45 - 15:00	PANEL DISCUSSION with: <ul style="list-style-type: none"> • Office of the Chief Inspector of Explosives - Superintendent J van Staden • Department of Environmental Affairs and Tourism - D Fischer • Emergency Services - M Atterbury, Ekurhuleni Fire Department • Standards South Africa - D Fourie
15:00 - 15:15	REFRESHMENTS
15:30	BUS DEPARTS FOR APPOINTED HOTELS



THURSDAY, 12 JULY

08:00 - 08:30	REGISTRATION
08:00	Briefing for presenters and chairmen in their respective venues
SESSION 4B: SAICE SYMPOSIUM ON PROGRESS WITH TRANSPORTATION UPGRADES FOR THE SOCCER WORLD CUP 2010	
<p>In view of the theme of SATC 2007, namely “The challenges of implementing policy?”, as well as to disseminate information, and even to co-ordinate, the progress being made with the implementation of transportation projects specifically aimed at the 2010 Soccer World Cup is being presented and discussed.</p> <p>It is known that the bigger cities, SANRAL, the provinces, ACSA, Gautrain and others are planning, designing and building transportation projects at an accelerated pace to be ready for use in 2010. A substantial portion of the transportation fraternity is involved in these projects, and knowledge of what is being done will be of value to everyone involved.</p> <p>Target market:</p> <ul style="list-style-type: none">- officials on local, provincial and national level;- consultants involved in transportation planning, design and construction;- contractors already involved in these projects, or still to be involved; and- other interested parties.	
15:30	BUS DEPARTS FOR APPOINTED HOTELS



THURSDAY, 12 JULY

08:00 - 08:30 **REGISTRATION**

08:00 - 08:30 **Briefing for presenters and chairmen in their respective venues**

SESSION 4C: WORKSHOP - IMPACT OF THE HEAVY VEHICLE SIMULATOR (HVS) ON PAVEMENT ENGINEERING

The Gauteng Department of Public Transport, Roads and Works (GDPTRW) cordially invites you to participate in a workshop on the purpose, role and impact of the HVS on South African pavement design, construction practices, guidelines and standards.

The HVS is an accelerated pavement testing device that is able to emulate the long-term structural damage caused by moving wheel loads on a road pavement within a couple of months, enabling pavement engineers to better understand how pavement structures and their individual layers behave and perform over time.

The Department has been operating an HVS since the late 1970s as an integral part of their HVS-associated Technology Development Programme. This HVS, together with similar devices operating in South Africa and elsewhere, have made a substantial contribution to the strengthening of the road science, engineering and technology base and particularly to the development of pavement engineering knowledge and expertise.

A significant number of pavement engineers are familiar with the HVS Programme and the impact it has made on pavement engineering. However, there are also a growing number of young and upcoming pavement engineers who are not familiar with this technology. The workshop is aimed at both groups to extend their knowledge and understanding of the HVS.

The workshop will address the following topics:

- Background and introduction to Accelerated Pavement Testing
- Objectives of HVS testing
- Context - HVS testing and pavement engineering
- Process by which the outcomes of the HVS programme are integrated into guidelines, standards and specifications
- HVS operations and data analysis
- Practical applications in pavement design and construction and proof testing of innovative technologies
- Future of HVS testing

The overall objective of the workshop is to introduce engineers who are not fully familiar with the technology, and its applications in design and construction, to the HVS, its purpose and use, and its role in furthering pavement engineering. Experienced practitioners will have the opportunity to refresh and expand their knowledge on the manifold applications of the HVS in practice and on the processes followed to channel the outcomes into practical information for day-to-day use.

Target audience: Both experienced and newly qualified pavement engineers.

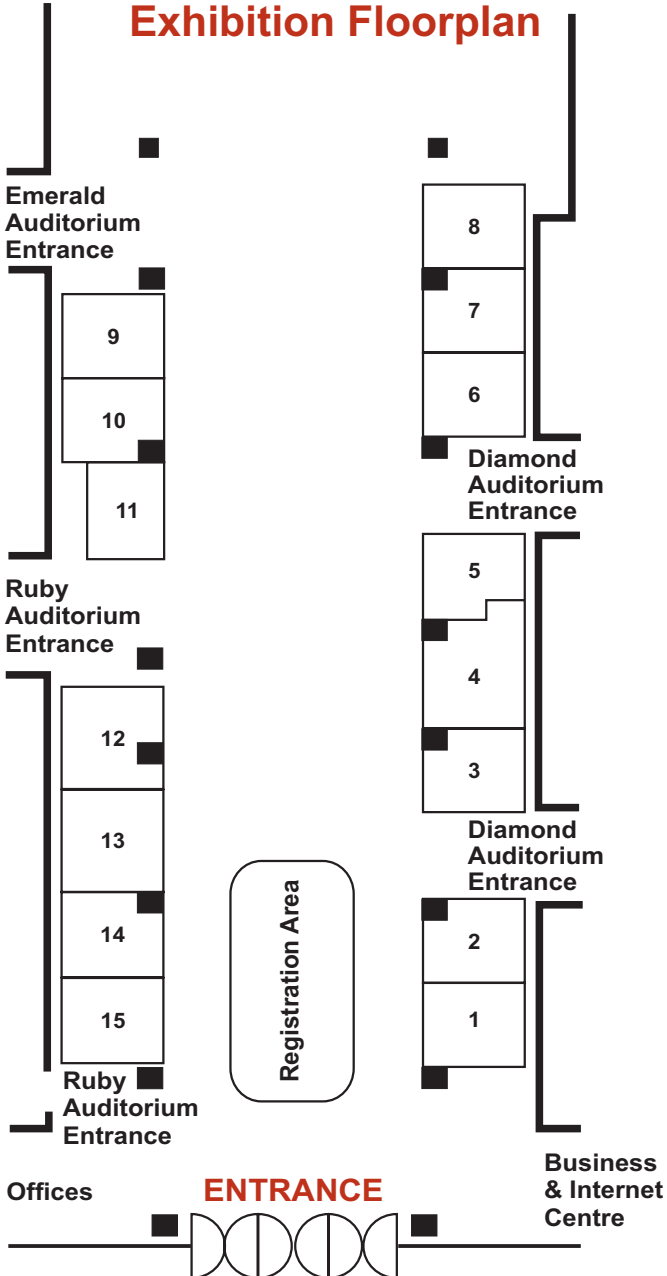
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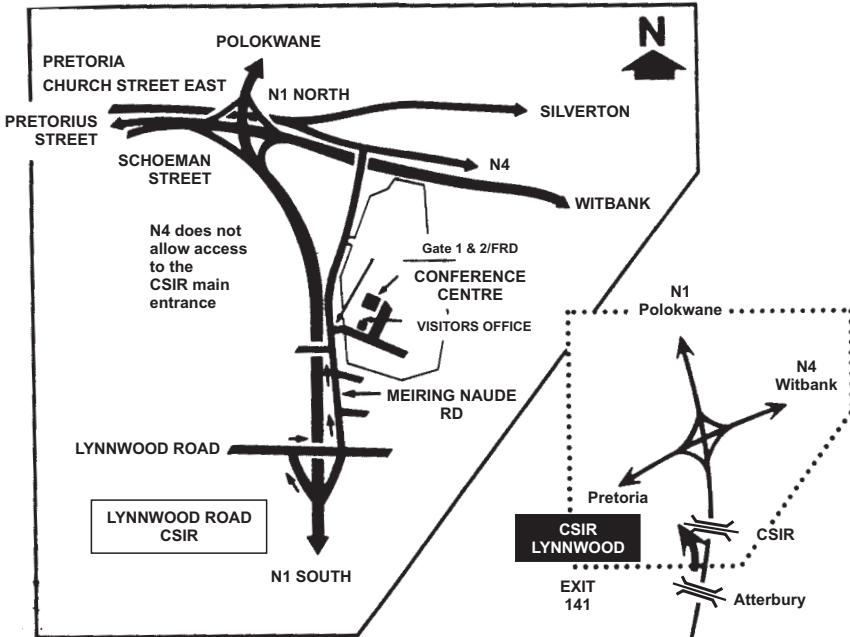
BUS DEPARTS FOR APPOINTED HOTELS



SATC 2007

Exhibition Floorplan





- Entrance: Meiring Naudé Road at Gate 1&2/FRD
- Keep to your left
- Turn left at Visitor's Office
- See sign boards to Conference Centre and Parking

