

Final Announcement



Southern African Transport Conference

The 41st annual

SOUTHERN AFRICAN TRANSPORT CONFERENCE and EXHIBITION
Incorporating the International Road Federation 75th birthday celebrations

THEME

Rethinking transportation: planning and building resilient systems to meet global externalities.

PATRON

THE MINISTER OF TRANSPORT



transport

Department:
Transport
REPUBLIC OF SOUTH AFRICA



International Road Federation
Fédération Routière Internationale
Federación Internacional de Carreteras

The conference is endorsed by the International Road Federation

VENUE

CSIR International Convention Centre (CSIR ICC), Pretoria, South Africa
(Hybrid component: Giving you limited digital access to the live event)

10 to 13 July 2023

“Early Bird” registration from 2 May - 10 June 2023
(The full registration fee applies after 10 June)

FINAL ANNOUNCEMENT AND PROVISIONAL PROGRAMME

CONTACT DETAILS

CONFERENCE SECRETARIAT (Correspondence and Enquiries)

Ms Jacqui Oosthuyzen
Mobile: +27 (0)83 324-9622

Webpage: www.satc.org.za
E-mail: satc.conference@gmail.com

ORGANISING COMMITTEE SATC 2023

Bean, Dr Wilna	University of Pretoria
Behrens, Prof Roger (Deputy Chair)	University of Cape Town
Bruwer, Dr Megan	Stellenbosch University
De Beer, Mr Gerhard	AIH Econogistics
Dimitrov, Ms Laverne	Development Bank SA
Jennings, Ms Gail	Research Consultant
Komba, Dr Julius	University of Pretoria
Marutla, Mr Fana	PRASA
Mashiri, Mr Mac	Gwarajena Transport Research and Development
Mhlanga-Mochadibane, Ms Mavis	Tshwane Women in Transport
Mojafi, Mr Tebogo	South African Maritime Safety Authority
Mokonyama, Dr Mathetha (Chairman)	CSIR
Moselakgomo, Mr Madumetja	University of Johannesburg
Nordengen, Dr Paul	Heavy Vehicle Transport Technology Africa
Oosthuyzen, Ms Jacqui	Secretariat
Pretorius, Dr Pieter	Innovative Transport Solutions
Ribbens, Dr Hubrecht	Consultant
Ssamula, Dr Bridget	Engineering Council of South Africa
Steyn, Prof Wynand	University of Pretoria
Venter, Dr Karien	CSIR
Visser, Prof Alex	University of Pretoria
Wang, Mr Yuchen	SACTCC
Zammataro, Ms Susanna	International Road Federation

TECHNICAL COMMITTEE SATC

Adams, Prof Charles	Kwame Nkrumah University of Science & Technology, Kumasi, Ghana
Ölçer, Prof Dr Aykut	World Maritime University, Sweden
Prozzi, Prof Jorge	The University of Texas, USA
Wegman, Prof Fred	Delft University of Technology, The Netherlands

INVITATION

Everyone in any way connected with transport is invited to register for the 41st Southern African Transport Conference (SATC 2023). 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, ports, maritime and aviation. End-users will also find the conference of interest.

SYNOPTIC PROGRAMME

From Monday to Thursday the sessions/workshops (1A-1D, 2A-2E, 3A-3E, 4A-4D) 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.

Virtual sessions: (1A,1D + 2A, 2D + 3C, 3D + 4B, 4D)

Virtual registrations will open on 12 June

<i>DATE</i>	<i>SESSION NO</i>	<i>EVENT</i>
<i>Monday, 10 July</i>		<i>Opening Session</i>
	<i>1A</i>	<i>Infrastructure</i>
	<i>1B</i>	<i>Treasury Workshop - Public Transport and Spatial Transformation</i>
	<i>1C</i>	<i>Traffic Engineering</i>

	1D	<i>Rural Development/ Capacity Building and The International Road Federation (Combined session)</i>
Tuesday, 11 July	2A	<i>Infrastructure</i>
	2B	<i>Public Transport</i>
	2C	<i>Traffic Management, Safety and Security</i>
	2D	<i>Freight and Logistics and Student Essay Winner Presentations (Combined session)</i>
	2E	<i>Rail</i>
Wednesday, 12 July	3A	<i>Engineering for Safe Systems Forum</i>
	3B	<i>Smart and e-Mobility</i>
	3C	<i>10th China-Africa Transport Co-operation Forum and Maglev /High Speed Trains Applications</i>
	3D	<i>Maritime</i>
	3E	<i>Aviation Workshop</i>
Thursday, 13 July	4A	<i>Integrated Public Transport Networks</i>
	4B	<i>Urban Mobility</i>
	4C	<i>Women in Transport Workshop</i>
	4D	<i>Public Private Partnership Workshop</i>

SPECIAL EVENT

Opening – SOUL BLEND (Afro-Soul acapella group)

SOCIAL FUNCTIONS

Cocktail Party – 17:00 to 18:30, Sponsored by the International Road Federation:

A cocktail party will be held at the conference venue after the day's proceedings on **Monday, 10 July 2023**. The following awards for papers presented at the conference will be announced:

- SATC Award for the “**Best Paper**”
- SATC Award for the “**Best Practical Paper**” (Sponsored by Chrisen Consulting)
- SAICE Transportation Division Award for the “**Best Paper by a Young Professional**”
- The ‘**Distinguished SATC Fellow**’ award

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.

EXHIBITION

An exhibition – a showcase for all related industries – will run concurrently with the conference from Monday, 10 July to Thursday, 13 July 2023. Exhibition space (3m x 3m) is available on a first come, first served basis. Organizations wishing to exhibit are requested to contact the Conference Secretariat.

PROMOTIONAL OPPORTUNITIES

Organizations interested in Promotional Opportunities should contact the Conference Secretariat.

ACCOMMODATION

The following special rates will apply to delegates.

CITY LODGE LYNNWOOD Cnr Lynnwood & Daventry Rds, Lynnwood, Pretoria Tel: 012 471-0300 (Ask for reservations) E-mail: cllynnwood.gm@clhg.com	COURTYARD HOTEL ARCADIA Cnr Park and Hill Str, Arcadia Tel: 012 342-4940 E-mail: cyarc.resv@clhg.com
R1 650 single (room only) R1 825 single (breakfast included)	R1 250 single (room only) R1 425 single (breakfast included)
Quote SOUTHERN AFRICAN TRANSPORT CONFERENCE (or Guest File no 1030685) to qualify for the discounted rate	

The above hotels are recommended for accommodation during the conference. **Delegates are responsible for their own arrangements.** They should book by E-Mail sending all the relevant details as well as either credit card details or prepayment and quoting the above reference details to qualify for the discounted rates and to ensure a booking at the hotel of their choice.

TRANSPORT (Courtesy bus)

The organizers 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/social function. Delegates wishing to make use of the courtesy bus should tick the relevant section on the registration form.

Transfers/ Shuttles from the airport may be booked with Batsumi Travel – lisa@batsumitravel.co.za (Please quote the conference name for discounted rates)

CONFERENCE DOCUMENTATION

Delegates registered for any of the conference sessions and workshops will receive the following documentation:

- Conference Handbook containing the programme and abstracts of the papers presented at SATC 2023.
- Memory Stick containing the full papers presented at SATC 2023.
- Delegate bag
- Pen and Notebook

Extra copies of the memory sticks will be available at a cost of R180.

STUDENT ESSAY COMPETITION

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 " Rethinking transportation: planning and building resilient systems to meet global externalities". This relates to the theme of SATC this year. Final selections will be done by each institution, and the winning essays submitted to the SATC Secretariat (satc.conference@gmail.com) by 10 May 2023.

The two top authors from each institution and their lecturer will be supported to attend SATC 2023. Flights/ transport within South Africa (and neighboring countries) to Pretoria (discounted economy class), accommodation in Pretoria, meals and registration will be provided.

REGISTRATION AND PAYMENT

REGISTRATION – OPENING 2 MAY 2023

Registration is per day. This four-day conference consists of an opening session, plenary and parallel sessions, including Workshops and Forums.

The conference sessions (1A-1D, 2A-2E, 3A-3E and 4A-4D) take place over a full day and it is therefore possible to register for only one session per day. However, once at SATC, delegates are welcome to move between the sessions. Registrations are done via the SATC website: www.satc.org.za

Registrations for **VIRTUAL DELEGATES** will open on 12 June. This is an in-person event and streaming will be limited to a maximum of two sessions a day.

Monday: 1A, Infrastructure and 1D, Rural Transport and IRF

Tuesday: 2A, Infrastructure and 2D, Freight and Logistics and Student Essay presentations

Wednesday: 3C, China-Africa and 3D, Maritime

Thursday: 4B, Urban Mobility and 4D, PPP

FEES AND PAYMENT

Registration fees are payable in advance by:

▪ DIRECT DEPOSIT

Direct deposits may be made into the following bank account and proof of payment sent to the SATC Secretariat (email: satc.conference@gmail.com). Please use the pro forma invoice number as reference so that the payment can be identified, and the correct delegate(s) credited:

Bank	FNB
Branch and code	Hatfield 242-145
Account name	Annual Transportation Convention
Account No	54501151268
Swift code	FIRNZAJJ (for transfers from foreign countries)

▪ PAYFAST

Upon completion of your registration, you will have the option to be directed to the secure Payfast (payment gateway) site to make a card payment for immediate settlement of delegate registration fees. This platform accepts all major currencies, and all billing conversions are done in original Rand (R) value.

▪ CASH PAYMENT AT THE CONFERENCE

If time is short, registration fees may be paid at the conference (IN SUCH CASES THE LATE REGISTRATION FEES WILL APPLY). **Please arrange with the SATC Secretariat prior to attending the conference.**

The late registration fee will apply for all payments received after 10 June 2023.

ID number is required for registration for all South African residents.

If you register as a STUDENT, you are required to mail a copy of your student card to the secretariat prior to the event. You will also be requested to present your student card at the registration desk.

Fees are per day. Fees include 15% VAT (please supply your company VAT number on registration form)	Early bird fee: (For registrations AND PAYMENT up to 10 Jun)	Late fee (For registrations AND PAYMENT from 11 Jun)	Virtual fee (Not all session will be streamed)
Student	R1 000	R1 200	R600
Presenter (on day of presentation)	R1 500	R2 100	R1 050
Young Professional (under35)	R2 000	R2 400	R1 200
Delegate	R2 500	R3 200	R1 600

THE REGISTRATION FEE FOR IN-PERSON DELEGATES, INCLUDE:

- Attendance on the registered day(s).
- Lunch and refreshments on the day(s) of attendance.
- Attendance of the cocktail party on Monday, 10 July. (Please indicate on the registration form).
- Transport between the appointed hotels and the conference venue. (Please indicate on the registration form).
- A briefbag containing the conference documentation including the written papers (received in time for printing) on Memory Stick and a Programme Handbook containing the Final Programme and Abstracts of the papers presented.

CONFIRMATION

Once your registration is complete, you will receive a pro-forma invoice via e-mail. Therefore, please ensure that your current e-mail address is given on the registration form.

CANCELLATION

Notification of cancellation received, in writing, prior to or on Friday, 7 July 2023 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 7 July 2023.

DELEGATES ARE REMINDED THAT A COMPLETED 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.

Please send proof of payment, using the pro forma invoice number as reference.

(A Tax invoice is issued after payment reflects on our bank statement)

ONLY PAID DELEGATES WILL BE ALLOWED TO ATTEND THE CONFERENCE

CPD ACCREDITATION

The conference is SAICE accredited and professional engineers will earn one credit per day of attendance. No attendance certificates will be issued. **In order to apply for credits, professional engineers must sign the special registration sheets (not the SATC conference registration sheets) at the conference registration desk on each day of attendance.**

Only delegates attending the conference in person will earn CPD points.

OPENING ADDRESS

Hon. Sindisiwe Lydia Chikunga
MINISTER OF TRANSPORT



Hon. Minister Chikunga has been appointed on the following Portfolios:

- Deputy Minister of Transport - June 2012 to May 2019.
- Deputy Minister for Public Service and Administration in June 2019 to August 2021.
- Deputy Minister of Transport – August 2021 to March 2023.

Honourable Sindisiwe Chikunga, from the 1980's to date held and served in various positions of leadership and responsibility in many African National Congress (ANC) structures. In 2004 she was deployed by the African National Congress to serve as a member of parliament in the National Assembly. Her diligent department, prominent sharp astuteness, hardworking and political responsiveness have been expressive in the various positions she was appointed to serve in parliament. As a member of parliament for over 10 years, she has been a chairperson of the portfolio committee on police, a whip, and a member of various portfolio committees.

She holds a Master's degree in Nursing from the University of Pretoria, BA Honours from UNISA, a Diploma in Midwifery and a Nursing Science Diploma both from Edendale Nursing College. She is currently studying towards a Master's degree in Political Science.

She is not only a passionate, self-driven health and transport sector empowerment practitioner; She is a tried and tested, selfless, and tireless leader of the African National Congress, a feisty hardworking advocate for a holistic socioeconomic development and emancipation of women and the rural poor.

PLENARY SPEAKERS

MONDAY

Ms Karla González Carvajal
World Bank



Ms. Karla Gonzalez Carvajal, a Costa Rican national, is the World Bank's Practice Manager for Transport in Southern Africa since 2022 and is based in Pretoria. Karla first joined the World Bank in 2012 as Sector Manager in the Sustainable Development Department of the South Asia Region, and has served as the Gender Global Lead in the Transport Global Practice. Before joining the Southern Africa office, she served as Practice Manager, Transport, in the Europe and Central Asia Region. Over the last 25 years Karla has worked in the Transport sector in various roles, as Minister of Public Works and Transportation of Costa Rica, in private sector with focus on Corporate Law, and as a Consultant to the Inter-American Development Bank and the Federation Internationale de l'Automobile on Road Safety.

TUESDAY

Prof André Roux
STELLENBOSCH UNIVERSITY BUSINESS SCHOOL



Prof André Roux was the Director of the Institute for Futures Research (IFR) at the University of Stellenbosch from 1996 to August 2015. André is now in the full-time employ of the US Business School, where he lectures on economics and is also the programme head for the School's postgraduate programmes in Futures Studies. He also teaches on various executive education programmes in South Africa and, from time to time, in Australia, Mauritius, Namibia, Swaziland, Tanzania, Ghana and Nigeria. André is a visiting professor at Vlerick Business School (Belgium) and at the Beijing Business School (China). He is also a guest lecturer on post-graduate programmes at the School of Public Management (Stell) and the Post-graduate diploma in Managing HIV and AIDS in the workplace. André holds a PhD in Economics and is responsible for more than 150 popular publications; 1 book (14th edition); 6 chapters in scientific books; 10 publications in scientific journals; 25 papers presented at domestic and international conferences. He is a regular guest on radio and television programmes. He has supervised 6 PhD theses and more than 150 postgraduate students. Awarded prize for best lecturer at Business School (2016-2018).

WEDNESDAY

Dr Kevin Trenberth

NATIONAL CENTRE FOR ATMOSPHERIC RESEARCH, NEW ZEALAND



Dr Kevin Trenberth is a Distinguished Scholar at the National Centre for Atmospheric Research and an honorary faculty member at the University of Auckland, New Zealand. From New Zealand, he obtained his Sc. D. in meteorology in 1972 from Massachusetts Institute of Technology. He was a lead author of the 1995, 2001 and 2007 Scientific Assessment of Climate Change reports from the Intergovernmental Panel on Climate Change (IPCC) and shared the 2007 Nobel Peace Prize which went to the IPCC. He played a major role in the World Climate Research Programme (WCRP) from 1985 through 2020. He is a fellow of the American Meteorological Society, the American Association for Advancement of Science, the American Geophysical Union, and an honorary fellow of the Royal Society of New Zealand. He is widely published and cited, and has a new book published in 2022.

KEYNOTE SPEAKER

THURSDAY

Ms Logashri Sewnarain

SMEC South Africa, CEO



Logashri Sewnarain is a senior level Professional Engineer and Project and Construction Management Executive with over 25 years' experience in the management of high-level infrastructure projects in South Africa and abroad. Logashri is the first female to hold the titles of CEO and Functional General Manager of Roads and Highways within SMEC South Africa and was the first female in the positions of President of the South African Road Federation and Regional Manager for SANRAL. She is an Executive Board Member of SMEC South Africa and SMEC Namibia, as well as a Board Member of SOILCO and LDLC Properties. Logashri is a Council Member of the South African Roads Federation and previously served as a member of PIARC - World Road Association's Technical Committee, during which she was responsible for the performance of road administrations. She is also a Fellow with the Association of Arbitrators having completed the Certificate in Arbitration and the Fellowship in Arbitration.

SESSIONS

MONDAY, 10 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in their respective venues
OPENING SESSION	
08:30 – 08:50	PERFORMANCE BY SOUL BLEND, INCLUDING THE NATIONAL ANTHEM OF SA
08:50 – 09:00	INTRODUCTION – Dr Mathetha Mokonyama, Conference Chairman
09:00 – 09:10	WELCOME – Mr Philip Hendricks, Chairman, ATC Board
09:10 – 09:40	OPENING ADDRESS - Hon Sindisiwe Lydia Chikunga, Minister of Transport
09:40 – 10:25	PLENARY ADDRESS – Ms Karla Gonzalez Carvajal, World Bank
10:30 – 11:00	REFRESHMENTS

DELEGATES BREAK INTO PARALLEL SESSIONS AFTER THE REFRESHMENTS BREAK

(Detailed programme following on next page)

MONDAY, 10 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 10:30	OPENING SESSION
10:30 - 11:00	REFRESHMENTS
<p>SESSION 1A – INFRASTRUCTURE</p> <p>THIS SESSION IS SPONSORED BY ROMH CONSULTING</p>	
SESSION CHAIR: Dr Emile Horak, Kubu Consultancy	
11:00 – 11:30	CONDITION OF SOUTH AFRICA’S TRANSPORT FIXED INFRASTRUCTURE – THE FOURTH JOURNEY ALONG THIS ROAD – K Wall , University of Pretoria
11:30 – 12:00	SAVING OUR SURFACED ROAD NETWORK THROUGH LABOUR INTENSIVE WATER-PROOFING AND RESTORATION – GJ Jordaan , Jordaan Professional Services/ University of Pretoria and WJ vdM Steyn , University of Pretoria
12:00 – 12:30	MECHANISTIC RESPONSE OF CONVENTIONAL VS PERPETUAL FLEXIBLE PAVEMENTS UNDER SIMILAR LOADING CONDITION: A 3-D FINITE ELEMENT ANALYSIS – L Sogayise , I Aivinhenyo and S Mfengu , University of the Witwatersrand
12:30 – 12:45	ROMH SPONSORSHIP PRESENTATION – B Selekana , ROMH Consulting
12:45 – 13:00	DISCUSSION
13:00 – 14:00	LUNCH
14:00 – 14:30	THE USE OF SEAWATER IN ROAD CONSTRUCTION: 1 THE SWARTKLIP AND LAMBERT’S BAY EXPERIMENTS – F Netterberg , Pavement Material & Geotechnical Specialist
14:30 – 15:00	THE USE OF SEAWATER IN ROAD CONSTRUCTION: 2 THE LÜDERITZ EXPERIMENT - F Netterberg , Pavement Materials & Geotechnical Specialist
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	ADVANCING ASPHALT MIXTURES IN SOUTH AFRICA: UNCOVERING SUITABLE NON-CONVENTIONAL MATERIALS AND DESIGN METHODOLOGIES/PROCEDURE - R Lutchminarian and MMH Mostafa , University of KwaZulu-Natal
16:00 – 16:30	COMPARING THE FWD AND TSD CALCULATED INDICES USING THE LIMIT OF AGREEMENT (LOA) METHOD – O Sengwane , SANRAL
16:30 – 17:00	DISCUSSION
17:00 – 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

MONDAY, 10 JULY

07:30 – 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 – 10:30	OPENING SESSION
10:30 – 11:00	REFRESHMENTS
SESSION 1B – TREASURY SESSION – PUBLIC TRANSPORT AND SPATIAL TRANSFORMATION	
SESSION CHAIR: Mr Madumetja Moselakgomo, University of Johannesburg	
11:00 – 11:30	LAUNCH OF THE PUBLIC TRANSPORT CAPACITY BUILDING PEER LEARNING PROGRAMME FOR CITIES IN PARTNERSHIP WITH THE SOUTH AFRICAN CITIES NETWORK- H Gaibe , National Treasury
11:30 – 12:00	CSP SPATIAL TRANSFORMATION PROGRAMME: KEY FINDINGS – M Rathogwa , CSIR
12:00 – 12:30	SPATIAL TRANSFORMATION IN SOUTH AFRICA: A PIPE DREAM? - A Todes , University of Witwatersrand
12:30 – 13:00	FOLLOW UP DISCUSSION
13:00 – 14:00	LUNCH
14:00 – 14:30	LAND MATTERS: THE ROAD AHEAD - T Ngcukaitobi , Senior Counsel
14:30 – 15:00	FOLLOW UP DISCUSSION
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	STATE OF CITIES FINANCES – CAN CITIES AFFORD SPATIAL TRANSFORMATION? - N Pingo , SA Cities Network
16:00 – 16:30	ECONOMY ON YOUR DOORSTEP – UNLOCKING LAND FOR ECONOMIC OPPORTUNITIES - A Cawe , Xesibe Holdings
16:30 – 17:00	FOLLOW UP DISCUSSION
17:00 – 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

MONDAY, 10 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 10:30	OPENING SESSION
10:30 - 11:00	REFRESHMENTS
SESSION 1C – TRAFFIC ENGINEERING	
SESSION CHAIR: Mr Justice Chauke, SANRAL	
11:00 – 11:30	GUIDELINES FOR THE PROVISION OF BYPASS ROADS AND THROUGH-WAYS AT CITIES AND TOWNS - PA Pienaar , Mintirho Engineering Services, M Mokonyama, CSIR, DK Das, University of KwaZulu Natal, WJ Pienaar, Stellenbosch University, HJ Stander, SC van As and A Robinson, SANRAL
11:30 – 12:00	UTILIZING UAVS AND AI SOFTWARE FOR DATA COLLECTION AT ROUNDABOUTS - I van Tonder and JT Arries, Stellenbosch University, JC Krogscheepers, Innovative Transport Solutions Global and SC van As, SC van As Traffic Engineer CC and MM Bruwer, Stellenbosch University
12:00 – 12:30	ACCURACY OF VIDEO ANALYTICS AND ON-BOARD GPS DEVICES FOR DATA COLLECTION AT ROUNDABOUTS - JT Arries and I van Tonder, Stellenbosch University, JC Krogscheepers, Innovative Transport Solutions Global, SC van As, SC van As Traffic Engineer CC and MM Bruwer, Stellenbosch University
12:30 – 13:00	OPERATIONAL CONCEPT FOR CONNECTED AND AUTONOMOUS VEHICLES IN AN URBAN ENVIRONMENT - A van Straten and SJ Andersen, Stellenbosch University
13:00 – 14:00	LUNCH
14:00 – 15:00	STATE OF TRAFFIC SIGNALS AND INTELLIGENT TRANSPORT SYSTEMS IN SOUTH AFRICA – J Coetzee , Innovative Transport Solutions
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	THE NEED FOR SOUTH AFRICA TO ADOPT STANDARD SIGNAGE AND SYMBOLS FOR LOW AND ZERO EMISSION VEHICLES (LZEVs) - L Monyatsi , Road Traffic Management Corporation, and University of Cape Town Centre for Transport Studies
16:00 – 16:30	HOW STANDARD (AND VALID) ARE SOUTH AFRICAN PARKING STANDARDS? - MM Bruwer and M Geldenhuys, Stellenbosch University
16:30 – 17:00	PERFORMANCE ASSESSMENT OF SIGNALISED INTERSECTION USING UAV VIDEOGRAPHY – A CASE STUDY OF THE JORISSEN-BERTHA STREET INTERSECTION IN JOHANNESBURG - I Aivinhenyo , I Mokgalaka and T Monareng, University of the Witwatersrand,
17:00 - 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

MONDAY, 10 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 10:30	OPENING SESSION
10:30 - 11:00	REFRESHMENTS
<p>SESSION 1D – CAPACITY BUILDING/ TRANSPORT FOR RURAL DEVELOPMENT AND THE INTERNATIONAL ROAD FEDERATION (Special Session) Innovation & Digitalisation for a Sustainable Future</p>	
SESSION CHAIR: Prof James Chakwizira, University of Venda	
11:00 - 11:30	PLANNING FOR SUSTAINABILITY: THE GREEN TRANSPORT POLICY – T Tenza , Department of Transport
11:30 - 12:00	SOCIAL MEDIA LESSONS RELATED TO THE DEVELOPMENT OF LONG-DISTANCE PUBLIC TRANSIT IN THE UNDERDEVELOPED COMMUNITIES - DM Serumula and M Vanderschuren, University of Cape Town
12:00 - 12:30	GENDER IMPACTS ON RURAL CYCLING DECISIONS: A CASE STUDY OF BUGESERA DISTRICT, RWANDA - JCB Munyaka , École Polytechnique Fédérale de Lausanne, SWITZERLAND, J Chenal, École Polytechnique Fédérale de Lausanne, SWITZERLAND and Université Mohammed VI Polytechnique, MOROCCO, AG Sebarenzi ,University of Rwanda, R Mranji, École Polytechnique Fédérale de Lausanne, SWITZERLAND and Université Mohammed VI Polytechnique, MOROCCO, J Malonza, University of Rwanda, S Ndam, and AA Konou, École Polytechnique Fédérale de Lausanne, SWITZERLAND
12:30 - 13:00	NEW SMART COASTAL AFRICAN CITY: ROADMAP FOR SUSTAINABLE DEVELOPMENT FOR THE EASTERN SEABOARD REGION – M Kgomo , MISA
13:00 - 14:00	LUNCH
14:00 - 14:30	RURAL TRANSPORT AND DEVELOPMENT: A CASE OF THE ALBERTINE REGION IN UGANDA - M Mutesi , Centre Safe Way Right Way (SWRW), UGANDA
14:30 - 15:00	MOST DANGEROUS WAYS TO SCHOOL: A CASE OF PEDDIE IN THE EASTERN CAPE - MM Muthige , Independent Researcher
15:00 - 15:30	REFRESHMENTS
<p>INTERNATIONAL ROAD FEDERATION (Special Session) Innovation & Digitalisation for a Sustainable Future</p>	
SESSION CHAIR: Susanna Zammataro, IRF Switzerland	
15:30 - 15:45	ROADS4PEOPLE FUND: INNOVATING TO SUSTAIN INVESTMENTS IN RURAL ROADS - N Miravalls , Oris, FRANCE
15:45 - 16:00	FOSTERING COLLABORATION AND DRIVING INNOVATION: UNLOCKING THE POWER OF OPEN DATA WITH THE DEVELOPER PORTAL IN IROADS DIGITAL ROAD ASSET MANAGEMENT SYSTEM - S Kamal , TRL
16:00 - 16:15	GENDER-BASED TRAVEL DATA COLLECTION AND RELATED SEXUAL-HARASSMENT IN SUB-SAHARIAN AFRICA – M Vanderschuren , University of Cape Town
16:15 - 16:30	THE AFRICAN URBAN MOBILITY OBSERVATORY (AUMO) - USING BIG DATA COLLECTION TECHNIQUES AND MOBILE TECHNOLOGIES TO BUILD A MOBILITY OBSERVATORY IN 6 AFRICAN CITIES - J Coetzee , GoMetro
16:30 - 17:00	DISCUSSION
17:00 - 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 11 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS (Diamond Auditorium) – Prof Andrè Roux, Stellenbosch University
09:25 – 09:30	Plenary breaks up into parallel sessions
<p>SESSION 2A – INFRASTRUCTURE</p> <p>THIS SESSION IS SPONSORED BY ROMH CONSULTING</p>	
SESSION CHAIR: Dr Lubinda Walubita, TTI - The Texas A&M University System	
09:30 – 10:00	TECHNOLOGY SOLUTIONS FOR STRATEGIC BRIDGE INSPECTIONS IN SOUTH AFRICA - L Kemp , CSIR/ University of Pretoria, R Matchett, Zutari, MP Roux, CSIR and L de Klerk, Zutari
10:00 – 10:30	INNOVATIVE BRIDGE ASSESSMENT FOR DEVELOPING COUNTRIES - PF van der Spuy , Zutari and Stellenbosch University
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	IDENTIFYING ABNORMAL VEHICLE SUBCLASSES FROM WIM DATA FOR THE STRUCTURAL DESIGN OF HIGHWAY BRIDGES IN SOUTH AFRICA - J van Rooyen and PF van der Spuy, Zutari
11:30 – 12:00	INNOVATIVE ROAD DESIGN WITH BIM TECHNOLOGIES - DIGITALLY TRANSFORMING THE WAY WE CREATE ROAD INFRASTRUCTURE - S Yunos , Baker Baynes and D Allopi, Durban University of Technology
12:00 – 12:30	TOWARDS GREENER TRANSPORTATION INFRASTRUCTURE THROUGH INNOVATIVE DIGITAL TWINS ASSESSMENT; STUDY CASE IN UZBEKISTAN - N Miravalls and H Pley-Leclercq, Oris FRANCE
12:30 – 12:45	ROMH SPONSORSHIP PRESENTATION – C Mkhabela , ROMH Consulting
12:45 – 13:00	DISCUSSION
13:00 – 14:00	LUNCH
14:00 – 15:00	WORKSHOP: PORTABLE WIM TECHNOLOGY – THE TEXAS EXPERIENCE – L Walubita , TTI - The Texas A&M University System
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	THE USE OF SEAWATER IN ROAD CONSTRUCTION: 3; A QUICK GUIDE TO AN ACCELERATED CONSTRUCTION METHOD - F Netterberg , Pavement Material & Geotechnical Specialist
16:00 – 16:30	GREENING OUR ROAD CONSTRUCTION – VIEWS FROM THE TRANSPORTATION INDUSTRY IN SOUTH AFRICA – M Heyns , M Sinclair and R Combrinck, Stellenbosch University
16:30 – 17:00	DISCUSSION
17:10	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 11 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS (Diamond Auditorium) - Prof André Roux, Stellenbosch University
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 2B – PUBLIC TRANSPORT	
SESSION CHAIR: Prof Roger Behrens, University of Cape Town	
09:30 – 10:00	MINIBUS TAXI IMPROVEMENT INITIATIVES IN THE WESTERN CAPE - D Ribbonaar, R Collins , G Martin, B MacMahon, G M Johnson and L Rautenbach, Western Cape Mobility Department, P Grey, M Moody and Z Ahmed, Pegasys Strategy and Development
10:00 – 10:30	BLUE DOT TAXI SYSTEM IN THE WESTERN CAPE - SYSTEMS AND TECHNOLOGY OVERVIEW - D Ribbonaar, G Martin and N Hendricks , Western Cape Mobility Department, Z Jackpersad, P Grey and M Weber, Pegasys Strategy and Development
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	NEW MINIBUS-TAXI INITIATIVES IN THE CITY OF CAPE TOWN - R Springleer , City of Cape Town, A Mulla, M Moody, K Kwinana and C Paulsen, Pegasys Strategy and Development
11:30 – 12:00	POTENTIAL TO REGULARISING THE MINIBUS-TAXI INDUSTRY: A POSITION PAPER - R Springleer , City of Cape Town, A Mulla and M Magwaza, Pegasys Strategy and Development
12:00 – 12:30	INFORMAL PUBLIC TRANSPORT PASSENGER SATISFACTION IN SELECTED WEST AND SOUTHERN AFRICAN CITIES - R Behrens , University of Cape Town, T Durant, M Grant Monney, K Osei, J Romero de Tejada, H Schalekamp and A Tarawally
12:30 – 13:00	DISCUSSION
13:00 – 14:00	LUNCH
14:00 – 14:30	BEST-WORST SCALING APPROACH TO MEASURE PUBLIC TRANSPORT USER QUALITY PERCEPTIONS AND PREFERENCES IN CAPE TOWN - SP Walaza , City of Cape Town, P Onderwater, Hatch Africa and M Zuidgeest, University of Cape Town
14:30 – 15:00	THE ECONOMIC FACILITATING ROLE OF PASSENGER TRANSPORT IN SOUTH AFRICA - M Knipe and SC Krygsman, Stellenbosch University
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	TRAVEL TIME RELIABILITY ASSESSMENT OF PUBLIC TRANSPORT – A CASE STUDY OF THE JOHANNESBURG BUS RAPID TRANSIT (BRT) CORRIDORS - J Mandlate , M Makwakwa and I Aivinhenyo, University of the Witwatersrand
16:00 – 16:30	THE IMPACT HUMAN-CENTRIC PUBLIC TRANSPORT DESIGN PRINCIPLES ON THE DESIRABILITY AND OPERATIONAL SUCCESS OF PUBLIC TRANSPORT IN GAUTENG PROVINCE - R Carstens , SANRAL
16:30 – 17:00	DISCUSSION
17:10	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 11 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS (Diamond Auditorium) - Prof André Roux, Stellenbosch University
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 2C – TRAFFIC MANAGEMENT, SAFETY AND SECURITY	
SESSION CHAIR: Prof Marianne Vanderschuren, University of Cape Town	
09:30 – 10:00	IMPLEMENTATION OF THE SAFE SYSTEM APPROACH IN SOUTH AFRICA: OVERVIEW OF THE LIMPOPO ROAD SAFETY PROGRAMME - K Venter , CSIR, J James, F Ahmed, N Greyling, S Mavuso, C Malan, M Romijn, C Harding and R Baker
10:00 – 10:30	ROAD FATALITIES: DID COVID-19 IMPACT TREND IN CAPE TOWN? - M Vanderschuren , University of Cape Town
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	'CYCLING IN THE 15-MINUTE CITY: STRATEGIES TO REDEFINE OUR URBAN ENVIRONMENTS, AND MOBILITY WITHIN IT' - AM Wheeldon , Bicycle Cities/ Carfree Cities Alliance
11:30 – 13:00	MINI WORKSHOP ON MICRO MOBILITY – Facilitator: M Vanderschuren REGULATION OF E-SCOOTERS IN SOUTH-AFRICA - SJ de Villiers and M Sinclair, Stellenbosch University FACILITATED DISCUSSION BY ALL DELEGATES
13:00 – 14:00	LUNCH
14:00 – 14:30	THE EFFECT OF INFRASTRUCTURE AND EDUCATIONAL ROAD SAFETY INTERVENTIONS IN KHAYELITSHA, CAPE TOWN - M Vanderschuren, University of Cape Town and P Muchaka , ChildSafe South Africa
14:30 – 15:00	TOWARDS A DEDICATED TRANSPORT SAFETY RESEARCH FACILITY FOR SOUTH AFRICA - B Marole, K Venter , I Sallie, K Muronga, L Kemp, M Kemp, V de Franca, P Binda, M Dube, T Matsaung, K Bosilong, R Malope, T Mogae, P Mashaba, B Kwange, L Kwange, C Maraga and M Feikie
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	HIGH PERFORMANCE PAVEMENT MARKINGS ENHANCING HUMAN, CAMERA AND LIDAR DETECTION - V Tshabangu , 3M South Africa and R Nuyttens, 3M Belgium
16:00 – 16:30	RESPONDING TO ROAD SAFETY CHALLENGES – PROPOSED PEDESTRIAN SAFETY MEASURES FOR DURBAN CBD - T Mokoni , eThekweni Municipality and L Monyatsi , Road Traffic Management Corporation, and University of Cape Town Centre for Transport Studies
16:30 – 17:00	STUDY ON THE INFLUENCE OF MOUNTAIN LANDSCAPE FACTORS ON THE DRIVING STABILITY OF DRIVERS BASED ON VIRTUAL REALITY SIMULATION - H Li, M Zhang, Q Kou, H Jiang , L Yu and J Yang, Hubei University of Technology, CHINA
17:10	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 11 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS (Diamond Auditorium) - Prof André Roux, Stellenbosch University
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 2D – FREIGHT AND LOGISTICS	
SESSION CHAIR: Dr Paul Nordengen, Heavy Vehicle Transport Technology Africa	
09:30 – 10:00	CLIMATE CHANGE MITIGATION IS THE SOUTH AFRICAN TRANSPORT SECTOR READY FOR CHANGE - LA Grimett , Moses Kotane Institute
10:00 – 10:30	DECARBONIZING ROAD FREIGHT: TOWARDS NET ZERO EMISSIONS – AK Kamdar , KDG Logistics
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	APPLICATION OF ARTIFICIAL INTELLIGENCE TO OVERLOAD CONTROL - A de Coning and AJ Hoffman , North-West University
11:30 – 12:00	IoT-ENABLED SUPPLY CHAIN MANAGEMENT AND LOGISTICS - D Chauke , G Gama, R Sebetoa, L Marimuthu, and T Mavhona, CSIR
12:00 – 12:30	EFFECT OF THE ADOPTION OF TECHNOLOGY INNOVATIONS IN THE AIR CARGO LOGISTICS INDUSTRY IN SOUTH AFRICA - AJ Adenigbo , J Mageto and R Luke, University of Johannesburg
12:30 – 13:00	DISCUSSION
13:00 – 14:00	LUNCH
SESSION CHAIR: Prof Alex Visser, University of Pretoria	
14:00 – 15:00	STUDENT ESSAY PRESENTATIONS 1 FN Paulus , University of Namibia 2 DM Temfundo , University of Namibia 3 G Ankunda , University of Pretoria 4 DC Grant , Stellenbosch University 5 E Kakoma , Stellenbosch University 6 C Chen , Henan Polytechnic University, China 7 T Liu , Henan Polytechnic University, China 8 S Mangwaya , University of Venda 9 Y He , Chang’An University, China 10 Y Li , Chang’An University, China
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	STUDENT ESSAY PRESENTATIONS CONTINUED
END OF SESSION (Delegates may join other sessions)	

TUESDAY, 11 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS (Diamond Auditorium) - Prof André Roux, Stellenbosch University
09:25 – 09:30	Plenary breaks up into parallel sessions
<p>SESSION 2E – RAIL</p> <p>THIS SESSION IS SPONSORED BY THE RAILWAY SAFETY REGULATOR</p>	
SESSION CHAIR: Mr Fana Marutla, PRASA	
09:30 – 10:30	KEYNOTE SPEAKER – N Makoape, DDG Department of Transport INVITED PRESENTATIONS BY THE DEPARTMENT OF TRANSPORT
10:30 – 11:00	REFRESHMENTS
11:00 – 12:00	THEME: RAIL SAFETY ASPECTS INVITED PRESENTATIONS BY THE RAILWAY SAFETY REGULATOR
12:00 – 12:30	APPLICATION OF THE LIFE CYCLE COST ANALYSIS TECHNIQUE TO EXPLORE DESIGN AND MAINTENANCE SOLUTIONS FOR RAILWAY LINES IN WINDBLOWN SANDY DESERTS: THE AUS-LÜDERITZ RAILWAY LINE CASE STUDY - J Hamalwa, PT Johannes and R Ambunda, University of Namibia
12:30 – 13:00	DISCUSSION
13:00 – 14:00	LUNCH
14:00 – 15:00	PRASA: RECOVERY OF CORRIDORS (WESTERN CAPE AND GAUTENG) – R Maseko, PRASA Western Cape and A Nkgabutle, PRASA Gauteng
15:00 – 15:30	REFRESHMENTS
15:30 – 17:00	THEME: HIGH SPEED RAIL IN SOUTH AFRICA – G de Beer, AIH Econogistics
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 12 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS (Diamond Auditorium) - Dr Kevin Trenberth, National Centre for Atmospheric Research, New Zealand
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3A – ENGINEERING FOR SAFE SYSTEMS FORUM	
SESSION CHAIR: Mr Jason Lowe, SANRAL	
09:30 – 10:00	INTRODUCTION AND BACKGROUND TO THE SARF ESSF 2023 SESSION – B Jonsson and K Labuschagne , SA Road Federation
10:00 – 10:30	COMPARISON OF THE UPDATED SOUTH AFRICAN ROAD SAFETY ASSESSMENT METHODS (SARSAM 2022) WITH THE SOUTH AFRICAN ROAD SAFETY MANUAL (SARSAM 2012) - W Hepkema and M Groenewald , Zutari
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	ROAD SAFETY ASSESSMENT IN LIMPOPO PROVINCE – K Tului and M Masegela , Roads Agency Limpopo
11:30 – 12:00	BEST PRACTICES IN SUPPORT OF VULNERABLE ROAD USER PROTECTION IN SOUTH AFRICA - HC Barnard , Deltabloc and K Venter , CSIR
12:00 – 12:30	UPDATE ON SARRSM 2022 (TMH 24) GUIDELINE – L de V Roodt , Roodt Transport Safety
12:30 – 13:00	DISCUSSION AND INDUSTRY INPUTS
13:00 – 14:00	LUNCH
14:00 – 14:30	A DELVE INTO THE RAPSA PROCESS ASSOCIATED WITH (PRE-) DRAFT TMH24 – T Thomas SANRAL
14:30 – 15:00	ROAD RESTRAINT SYSTEMS (RRS): NOT BUSINESS AS USUAL – WA Van Gruting , SANRAL
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	CASE STUDY: N10 PATERSON TO OLIFANTSKOP PASS - ML Msutwana , SANRAL
16:00 – 16:30	SEGMENTAL ANALYSIS (INTERACTIVE EXCEL-BASED TUTORIAL WITH INDIVIDUAL DELEGATES – ONE SEGMENT PER DELEGATE) - ML Msutwana , SANRAL
16:30 – 17:00	DISCUSSION AND CLOSURE - B Jonsson and K Labuschagne
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 12 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS (Diamond Auditorium) - Dr Kevin Trenberth, National Centre for Atmospheric Research, New Zealand
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3B – SMART AND e-MOBILITY THIS SESSION IS SPONSORED BY EGIS	
SESSION CHAIR: Dr Megan Bruwer, Stellenbosch University	
09:30 – 10:00	THE INTEGRATION OF SMART MOBILITY SYSTEMS ON THE REVISED TAXI RECAPITALIZATION PROGRAM AS A STRATEGY TO MODERNISE THE TAXI INDUSTRY - JK Ditshego , Vaal University of Technology and M Mokonyama, CSIR
10:00 – 10:30	THE FUTURE OF AUTOMATED FARE COLLECTION SYSTEMS: A PERSPECTIVE FROM THE ETHEKWINI MUNICIPALITY - A Aucamp , eThekweni Transport Authority, S Govender and M Pearton, eThekweni Municipality
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	MICROMOBILITY – TESTING SUITABILITY THROUGH FCD TO IMPROVE OVERALL MOBILITY - LJ van Wyk , SJ Andersen and MM Bruwer, Stellenbosch University
11:30 – 12:00	DECARBONISING SOUTH AFRICA'S PARATRANSIT WITH HYDROGEN - A SIMULATED CASE STUDY - CJ Abraham , Stellenbosch University, T Zenner, Reutlingen University GERMANY, MJ Booyesen, and AJ Rix, University of Stellenbosch
12:00 – 12:30	ENERGY AND EMISSIONS MODELLING IN ETHIOPIA'S TRANSPORT SECTOR - O Nnene and M Zuidgeest, University of Cape Town, D Senshaw, B Oberholzer and S Grafakos, Global Green Growth Institute REPUBLIC OF KOREA
12:30 – 13:00	CHALLENGES FACING SOUTH AFRICAN ROAD AUTHORITIES IN THE TRANSITION TO NEW ENERGY VEHICLE TECHNOLOGY - PA Pienaar , Mintirho Engineering Services, M Zuidgeest, University of Cape Town and A Robinson, SANRAL
13:00 – 14:00	LUNCH
14:00 – 14:30	ESTIMATION OF DISCRETE CHOICE MODELS FOR ROUTE CHOICE FROM DATA COLLECTED USING THE RAPP-UP SMARTPHONE APPLICATION - G Hayes and C Venter, University of Pretoria
14:30 – 15:00	USING TRACKING DATA AND AN ELECTRO-MOBILITY SIMULATOR TO ESTABLISH THE ENERGY REQUIREMENTS OF ELECTRIC MINIBUS TAXIS IN TSHWANE - S Abdelgadir , University of Pretoria, J Giliomee, Stellenbosch University, C Venter, University of Pretoria and MJ Booyesen, Stellenbosch University
15:00 – 15:30	REFRESHMENTS
15:30 – 15:45	PRACTICAL EXAMPLES OF SMART MOBILITY PROJECTS RELEVANT TO THE SOUTH AFRICAN ENVIRONMENT, SPONSOR PRESENTATION – L Bouchacourt , EGIS
15:45 – 17:00	DISCUSSION SESSION: PARATRANSIT FOR THE FUTURE: INTEGRATING INFORMAL PUBLIC TRANSPORTATION SERVICES THROUGH TECH – Panel discussion
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 12 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 – 09:25	PLENARY ADDRESS (Diamond Auditorium) - Dr Kevin Trenberth, National Centre for Atmospheric Research, New Zealand
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3C – 10TH CHINA AFRICA TRANSPORT CO-OPERATION FORUM AND / MAGLEV & HIGH SPEED TRAINS	
SESSION CHAIR: Prof Kevin Wall, SACTCC	
09:30 – 10:00	THE LATEST FRAMEWORK WITH THE INNOVATIVE FRAMEWORK OF THE CHINA-AFRICA TRANSPORT STRATEGY RESEARCH INSTITUTE (CATSRI) UNDER UNIVERSITY OF PRETORIA (UP), CHANG'AN UNIVERSITY (CAU) AND SOUTH AFRICA-CHINA TRANSPORT CO-OPERATION CENTER (SACTCC) – Y Wang, A Visser and J Masilela , SACTCC, T Tenza and L Mpofo , Department of Transport
10:00 – 10:30	PROGRESS ON UN-CHINA TRANSPORT SUSTAINABLE AND INNOVATIVE TECHNOLOGY CENTRE AT MINISTRY OF TRANSPORT IN BEIJING, CHINA AND POTENTIAL WITH SOUTH AFRICA AND AFRICA – Y Wang and J Masilela , SACTCC, B Makobe , Southern Africa-China Science, Engineering, Technology & Education Association (SETEA), C Masoka and D Nkadimeng , Department of Science and Innovation
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	CHINA-AFRICA COOPERATION IN THE TRANSPORT SECTOR UNDER THE BRI - Y He , Zhejiang Normal University CHINA
11:30 – 12:00	SIMULATION ON THE THERMAL CONTRACTION COORDINATION BEHAVIOR BETWEEN ASPHALT MIXTURE OVERLAY AND GRADED GRAVEL BASE LAYER - T Wan , H Wang, P Zhang, X Yang and Y Chen, Chang'an University CHINA
12:00 – 12:30	AN EXPOSE OF THE STATE OF CYCLING IN SOUTH AFRICAN CITIES: INSIGHTS FROM THE CITY OF JOHANNESBURG - B Risimati , University of Venda, T Gumbo and T Moyo, University of Johannesburg and E Ingwani, University of Venda
12:30 – 13:00	WIN-WIN ACHIEVEMENTS ON TRANSPORT AND INFRASTRUCTURE DEVELOPMENT HAND BY HAND ON CHINA-AFRICA COLLABORATIONS - Y Wang , SACTCC
13:00 – 14:00	LUNCH
MAGLEV AND HIGH-SPEED TRAINS	
SESSION CHAIR: Mr William Dachs, Gautrain	
14:00 – 14:30	HIGH-SPEED RAIL STUDIES IN SOUTH AFRICA – G de Beer , AIH Econogistics
14:30 – 15:00	THE FUTURE OF HIGH-SPEED RAIL IN SOUTH AFRICA – T Kgobe , Gautrain
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	PROPULSION ENERGY CONSIDERATIONS FOR RAIL APPLICATIONS IN SOUTH AFRICA – C Snyman , Electric Vehicles & Solar Energy
16:00 – 16:30	HIGH SPEED RAIL DEVELOPMENT - G Ge , China Railway Rolling Stock Corporation (CRRC)
16:30 – 17:00	DISCUSSION
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 12 JULY

07:30 – 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 – 09:25	PLENARY ADDRESS (Diamond Auditorium) - Dr Kevin Trenberth, National Centre for Atmospheric Research, New Zealand
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3D – MARITIME	
SESSION CHAIR: Mr Tebogo Mojafi, South African Maritime Safety Authority (SAMSA)	
09:30 – 10:00	THE MARITIME INDUSTRY REGULATED FOR SUSTAINABILITY – AN INDUSTRY THAT GROWS, AN INDUSTRY THAT CONTRIBUTES TO THE ECONOMY, AN INDUSTRY THAT OPERATES RESPONSIBLY, BUT MORE SO AN INDUSTRY THAT COMPLIES TO B-BBEE – K Selokane , Heron Marine
10:00 – 10:30	SOUTH AFRICAN SHIP REGISTER PROMOTION STRATEGY – S Bhengu and L Mudau , South African Maritime Safety Authority
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	MARITIME GAME CHANGERS IN SOUTH AFRICA- K Ngubane , Mnambithi Group
11:30 – 12:00	THE PORT INFRASTRUCTURE INVESTMENT IN SOUTH AFRICA - S Mdlalose , Transnet
12:00 – 12:30	THE IMPLEMENTATION OF TRADE SINGLE WINDOW SYSTEM: CASE OF KENYA – M Issa , Kenya Trade Network Agency
12:30 – 13:00	THE ECONOMIC IMPACT OF OPERATIONAL INEFFICIENCIES IN SA PORTS AND THE ROLE OF THE PORTS REGULATOR - N Nkowane , Ports Regulator
13:00 – 14:00	LUNCH
14:00 – 14:30	UNDERSTANDING THE PLIGHT AND CHALLENGES FACING SOUTH AFRICAN SEAFARERS - L Grimett , Moses Kotane Institute
14:30 – 15:00	BEST PRACTICES FOR ABANDONED, LOST OR OTHERWISE DISCARDED FISHING GEAR (ALDFG) IN AFRICA - D Marlin , Sustainable Seas Trust Africa
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	TRANSITIONING SHIPPING TO DECARBONISE THROUGH MARKET BASED MEASURES – G Dominioni , Dublin City University
16:00 – 16:30	THE POTENTIAL IMPACT ON STATES OF TECHNICAL AND ECONOMIC MEASURES IN IMPLEMENTING THE IMO GHG STRATEGY – J Hoffmann , UNCTAD, SWITZERLAND
16:30 – 17:00	SUMMARY OF THE DAY
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 12 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
08:30 – 09:25	PLENARY ADDRESS (Diamond Auditorium) – Dr Kevin Trenberth, National Centre for Atmospheric Research, New Zealand
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3E – AVIATION WORKSHOP PLANNING & DESIGN CONSIDERATIONS: THE AIRPORT CONTEXT	
SESSION CHAIR: Mr Jon Heeger, GWI Aviation	
09:30 – 10:00	CIVIL AVIATION ENVIRONMENT AND POLICY <ul style="list-style-type: none"> • The Chicago Convention of 1944 - World civil aviation structures – ICAO, IATA and national CAA's • Bilateral and Multi-lateral air service agreements and the Freedoms of the Air • African aviation - The Yammousoukro Decision and the 2018 Single African Air Transport market initiative – the role of the African Civil Aviation Commission (AFCAC) • Standards and Recommended Practices (SARPS: ICAO & SACAA Compliance/Guidance material) • The CAA White Paper, 2017 • Other industry bodies/structures
10:00 – 10:30	NEW TRENDS & TECHNOLOGIES <ul style="list-style-type: none"> • ICAO 2050 zero carbon footprint targets and possible disruptive influences • New aircraft technologies • Drones- commercialization, e-commerce
10:30 – 11:00	REFRESHMENTS
11:00 – 13:00	AIRPORTS IN SA: GROWTH, POLICY AND STRATEGIES <ul style="list-style-type: none"> • The role and mission of ACSA as an SoE • Market development strategies & influence ACSA and the other levels of government. • Are Aerotropoli appropriate for SA versus new Airport Urbanism and re-integration models • Current post-Covid traffic and cargo/freight trends • Commercialisation of new technologies – e-commerce and other opportunities
13:00 – 14:00	LUNCH
SESSION CHAIR: Dr Bridget Ssamula, ECSA	
14:00 – 15:00	NEW ERA AIRPORT PLANNING & DESIGN <ul style="list-style-type: none"> • The Traffic Forecast – objectives and methodologies, markets and supply side-considerations; peak versus aggregate projections • Determination of critical design aircraft and land-use optimization • Wind, weather and 'usability' • Long-term planning of infrastructure – risk assessment • New passenger behaviour trends • Airside versus landside issues – integrated airports
15:00 – 15:30	REFRESHMENTS
15:30 – 17:00	AIRPORT- INVESTMENT CONSIDERATIONS <ul style="list-style-type: none"> • Value management in optimizing life cycle spend at airports • Aeronautical versus non-aeronautical income • Optimizing land uses in airport precincts
17:10	BUS DEPARTS FOR APPOINTED HOTELS

THURSDAY, 13 JULY

07:30 – 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
SESSION 4A – INTEGRATED PUBLIC TRANSPORT NETWORKS	
SESSION CHAIR: Mr Madumetja Moselakgomo, University of Johannesburg	
08:30 – 09:00	A TOTAL SOCIAL COST APPROACH TO PUBLIC TRANSPORT PLANNING IN SOUTH AFRICA - M Nkosi , SMEC South Africa, M Zuidgeest, University of Cape Town, M Mokonyama, CSIR and R Hawthorne, Acacia Economics
09:00 – 09:30	FUNDING OPTIONS FOR IPTN INFRASTRUCTURE AND SERVICES - N Matebese , DBSA
09:30 – 10:00	PROPOSED METHODOLOGY OF OPTIMIZING THE SECONDARY PUBLIC TRANSPORT NETWORK OF THE CITY OF JOBURG - M Rathogwa and A Singano, CSIR
10:00 – 10:30	DISCUSSION
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	RUSTENBURG RAPID TRANSPORT: PROGRESS, CHALLENGES & INNOVATIONS ON THE IMPLEMENTATION OF THE IPTN - O Moleele , Rustenburg Local Municipality
11:30 – 12:00	INTEGRATION OF MIDI-BUSES INTO THE GAUTRAIN SERVICES - L Mathebula , Gautrain Management Agency
12:00 – 12:30	LESSONS LEARNED FROM EVALUATING OPTIONS USING MULTI-CRITERIA ANALYSIS IN TWO CORRIDORS WITHIN THE CITY OF JOHANNESBURG - M Nkosi and M Jablonski, SMEC South Africa and NC Duze, City of Johannesburg
12:30 – 13:00	FOLLOW-UP DISCUSSION: FORMALISING TAXI INDUSTRY PARTICIPATION IN THE IPTN - TRANSFORMATION VS INTEGRATION
13:00 – 14:00	LUNCH
14:00 – 14:30	NLTA AMENDMENT BILL: LEGAL ASPECTS OF THE NLTA - L Mabece , Bulumko Law Advisors
14:30 – 15:00	FOLLOW-UP DISCUSSION: LEGAL ASPECTS OF THE NLTA AND MULTI-MODALISM OF IPTN
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	WHAT HAPPENS WHEN THE 12-YEAR BUS RAPID TRANSIT CONTRACTS COME TO AN END? MANAGING THE TRANSITION FROM NEGOTIATED VEHICLE OPERATOR CONTRACTS TO COMPETITIVE BIDDING PROCESSES - P Koch, P Grey , M Moody, M Weber and A Macfarlane, Pegasys Strategy and Development and A Bulman, Urban EQ Consulting Engineers
16:00 – 16:30	FOLLOW-UP DISCUSSION: RISK MITIGATION DURING THE TRANSITIONING PERIOD
17:10	BUS DEPARTS FOR APPOINTED HOTELS

THURSDAY, 13 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
SESSION 4B – URBAN MOBILITY	
SESSION CHAIR: Dr Megan Bruwer, Stellenbosch University	
08:30 – 09:00	POST-COVID TRAVEL BEHAVIOUR IS AS THE 'OLD-NORMAL' - P Onderwater , Hatch Africa
09:00 – 09:30	MEASURING THE IMPACT OF COVID-19 ON MOBILITY IN GAUTENG PROVINCE, SOUTH AFRICA - B Marole and F Asimwe, CSIR and T Vanner, Gauteng Department of Roads and Transport
09:30 – 10:00	POST-COVID SHIFTS IN BUS PASSENGER TRIP TIMING AND VEHICLE UTILISATION IN CAPE TOWN - R Behrens , University of Cape Town, M Bruwer, Stellenbosch University, N McLachlan, Organisation Development Africa, D Meyer and E Scholtz, Golden Arrow Bus Services
10:00 – 10:30	DISCUSSION SESSION: TRANSPORT IN THE AFTERMATH OF COVID-19
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	TOWARDS THE EMPOWERED COMMUTER: EXPLORING INFORMATION BEHAVIOUR OF INFORMAL PUBLIC TRANSPORT USERS - C Venter , I Fourie, L Mokoma and S Harvett, University of Pretoria, N Grant, WhereIsMyTransport UNITED KINGDOM, P Mukwaya, Makerere University UGANDA and L Ribet, WhereIsMyTransport UNITED KINGDOM
11:30 – 12:00	USING SYSTEMS DYNAMICS TO SUPPORT A CITY'S GROWTH AND DEVELOPMENT STRATEGY (GDS): A CITY OF JOHANNESBURG CASE STUDY - M Rathogwa and R Malope, CSIR
12:00 – 12:30	RELATIONSHIPS BETWEEN RESIDENTIAL RELOCATION, TRAVEL BEHAVIOUR AND HOUSEHOLD AFFORDABILITY: THE CASE OF THE ROODEPOORT REGIONAL NODE IN JOHANNESBURG - R Khoza and R Behrens, University of Cape Town
12:30 – 13:00	DISCUSSION SESSION: TRAVEL BEHAVIOUR AND TRAVEL CHOICES
13:00 – 14:00	LUNCH
SESSION CHAIR: Prof Roger Behrens, University of Cape Town	
14:00 – 14:30	SOCIAL FACILITY PLANNING: COMPARING ACCESSIBILITY IN TSHWANE BASED ON DIFFERENT TRANSPORT NETWORKS - R Komane , CSIR and DJ du Plessis, Stellenbosch University and Q van Heerden, CSIR
14:30 – 15:00	MOVING BARRIERS, INCREASING ACCESS: AN ASSESSMENT OF THE MOBILITY OF WOMEN WITH DISABILITIES AND ELDERLY WOMEN - R Gitau, N Mwaura and L Kihonge , Flone Initiative KENYA
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	BREAKING BARRIERS TO INCREASE THE PARTICIPATION OF WOMEN IN CYCLING IN NAIROBI CITY COUNTY - R Gitau , Flone Initiative KENYA
16:00 – 16:30	BICYCLE MOBILITY IN SOUTHERN AFRICA: A MARKET SYSTEM INVESTIGATION INTO DEMAND AND USE – W Sambu and G Jennings
16:30 – 17:00	DISCUSSION
17:10	BUS DEPARTS FOR APPOINTED HOTELS

THURSDAY, 13 JULY

07:30 – 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
SESSION 4C – WOMEN IN TRANSPORT	
SESSION CHAIR: Ms Ngobile Mhlanga, Standard Bank	
08:30 – 09:00	KEYNOTE ADDRESS – L Sewnarain , SMEC South Africa
09:00 – 09:30	PLANNING FOR RESILIENCE, EMBEDDING RISK – NF Moloto , Tsa Afrika
09:30 – 10:00	DIALOGUES FOR GENDER-INCLUSIVE MOBILITY IN CAPE TOWN - AG Newlands, FB Grosse-Weischede and MJWA Vanderschuren, University of Cape Town
10:00 – 10:30	"EMPOWERING WOMEN IN THE TRANSPORTATION SECTOR TO FOSTER RESILIENCE" – V Leyka , Seraph Network
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	ATTRACTING AND RETAINING WOMEN IN PUBLIC TRANSPORT – I Mncwango , Gauteng Women in Transport Bus Operators
11:30 – 12:00	RETHINKING CROSS-BORDER ROAD TRANSPORT PLANNING AND BUILDING RESILIENT SYSTEMS TO MEET GLOBAL EXTERNALITIES - Z P Msibi , Cross-border Road Transport Agency
12:00 – 12:30	THE UPSKILLING OF FEMALE CIVIL ENGINEERS AT 8 SOUTH AFRICAN METROS – B Jonsson , SA Road Federation
12:30 – 13:00	'WOMEN IN TRANSPORT' IN THE SADC REGION - C Lalgy , Lalgy Transporters Mozambique-Transport and Logistics
13:00 – 14:00	LUNCH
14:00 – 14:30	SHE CAN: A TOOL TO EMPOWER DECISION MAKERS TO ADDRESS SEXUAL HARASSMENT IN PUBLIC TRANSPORT IN SUB-SAHARAN AFRICA - TE Lane-Visser and MJWA Vanderschuren University of Cape Town
14:30 – 15:00	FUNDING FOR SMME'S AND JOB CREATION BY SMME'S – A Ngxeketo , Mamoja Trading and Projects
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	HOW WOMEN USE SOCIAL NETWORKS TO NAVIGATE "INFORMAL" PUBLIC TRANSPORT SYSTEMS: A COMPARATIVE CASE STUDY OF TSHWANE AND KAMPALA - G Ankunda , S Harvett and L Mokoma, University of Pretoria
16:00 – 16:30	HOW TO BUILD RESILIENCE BY CREATING A STRONG BRAND AND IMPLEMENTING A PRO-ACTIVE COMMUNICATION PLAN – C Larkin , CVLC Communication
16:30 – 17:00	CLOSING REMARKS – L Mabece , Bulumko Law Advisors
17:10	BUS DEPARTS FOR APPOINTED HOTELS

THURSDAY, 13 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
<p>SESSION 4D – PUBLIC PRIVATE PARTNERSHIP WORKSHOP</p> <p>THIS SESSION IS SPONSORED BY PEGASYS</p>	
SESSION CHAIR: Ms Laverne Dimitrov, DBSA	
08:30 – 08:45	SPONSOR PRESENTATION: PEGASYS
08:45 – 10:30	<p>PANEL DISCUSSION: SHOWCASING THE BUSINESS MODELS THAT WERE DEVELOPED AND IMPLEMENTED BETWEEN THE MINIBUS TAXI (MBT) INDUSTRY, COMMERCE AND THE PUBLIC SECTOR:</p> <ul style="list-style-type: none"> • HOW WE ARE PRACTICALLY INTRODUCING SOUTH AFRICA'S FIRST BATTERY ELECTRIC MINIBUS-TAXI, A COLLABORATION BETWEEN GOVERNMENT AND PRIVATE SECTOR - J Coetzee, GoMetro • "A FUNDER'S PERSPECTIVE ON ROLLING OUT ELECTRIC VEHICLE TRANSPORT"- N Fredericks, IDC • REGULATORY REFORM AND THE ETHICS OF ROLLING OUT A GOVERNMENT SUPPORTED QR SYSTEM IN THE MINIBUS TAXI SECTOR - K Muronga, CSIR <p>DISCUSSION</p>
10:30 – 11:00	REFRESHMENTS
11:00 – 13:00	<p>PANEL DISCUSSION: DIGITALISATION AND TECHNOLOGY CASE STUDIES USING DEMAND RESPONSIVE TECHNOLOGIES DESIGNED BY COMMERCE FOR THE PARATRANSIT SECTOR:</p> <ul style="list-style-type: none"> • THE USE OF DATA AND TECHNOLOGY TO INFORM INVESTMENT DECISIONS BY THE MBT INDUSTRY FOR THE INDUSTRY – CASE STUDY - S Mhlanga, CSIR • SIYAPHAMBILI, PRE-PAID TAXI SYSTEM, A REFLECTION OF A SUCCESSFUL CASE STUDY - C Blanckenberg, Siyaphambili • PILOT STUDY FOR TAXI AND BOOKING SYSTEM TO ENHANCE MUNICIPAL DECISION MAKING – L Dimitrov, DBSA <p>DISCUSSION</p>
13:00 – 14:00	LUNCH
14:00 – 14:30	INNOVATIVE FUNDING MECHANISMS FOR PUBLIC TRANSPORT - K Kwinana , Pegasys Strategy and Development, C Rabe, Palmer Development Group, M Weber and P Koch, Pegasys Strategy and Development
14:30 – 15:00	ROAD FUNDING OPTIONS: A CASE STUDY OF HOW GAUTENG CAN COVER THE 14.1 BILLION RAND E-TOLL DEBT AND 6.9 BILLION RAND REFUNDS - MM Muthige , Pegasys Strategy and Development
15:00 – 15:30	REFRESHMENTS
END OF SESSION (Delegates may join other sessions)	

Please note that this is a DRAFT Programme and may be subject to some alterations before the Conference.

Please register on-line at www.satc.org.za

PAYMENT IS REQUIRED IN ORDER TO ATTEND THE CONFERENCE.

We look forward to welcoming you at SATC 2023

