

Final Announcement



Southern African Transport Conference

The 40th annual

SOUTHERN AFRICAN TRANSPORT CONFERENCE and EXHIBITION
Incorporating the 3rd Regional Seminar on Weigh-In-Motion

THEME

ADDRESSING THE NEW NORMAL AND THE FUTURE OF TRANSPORT

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)

4 to 7 July 2022

“Early Bird” registration from 1 April - 10 June 2022
(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

Bean, Dr Wilna
Behrens, Prof Roger

University of Pretoria
University of Cape Town

De Beer, Mr Gerhard
Dimitrov, Ms Laverne
Gräbe, Prof Hannes
Jennings, Ms Gail
Maina, Prof James (Chairman)
Manana, Ms Khibi
Mashiri, Mr Mac
Mhlanga-Mochadibane, Ms Mavis
Mojafi, Mr Tebogo
Mokonyama, Dr Mathetha
Nordengen, Dr Paul
Oosthuyzen, Ms Jacqui
Pretorius, Dr Pieter
Ribbens, Dr Hubrecht
Ssamula, Dr Bridget
Steyn, Prof Wynand
Verhaeghe, Mr Benoît
Visser, Prof Alex
Wang, Mr Yuchen

Development Bank SA
University of Pretoria
Research Consultant
University of Pretoria
Department of Transport
Gwarajena Transport Research and Development
Tshwane Women in Transport
South African Maritime Safety Authority
CSIR Built Environment
Heavy Vehicle Transport Technology Africa
Secretariat
Innovative Transport Solutions
Consultant
AECOM
University of Pretoria
CSIR Built Environment
University of Pretoria
SACTCC

TECHNICAL COMMITTEE SATC

Adams, Prof Charles
Ölçer, Prof Dr Aykut
Prozzi, Prof Jorge
Wegman, Prof Fred

Kwame Nkrumah University of Science & Technology, Kumasi, Ghana
World Maritime University, Sweden
The University of Texas, USA
Delft University of Technology, The Netherlands

ORGANISING COMMITTEE ISWIM

Coetzee, Mr Christopher
Fortune, Ms Marisa
Houliston, Mr Andrew
Jacob, Mr Bernard
Koniditsiotis, Mr Chris
Lees, Mr Andy
Leseane, Mr Layton
Mays, Ms Caroline
Oosthuyzen, Ms Jacqui
Regehr, A/Prof Jonathan
Sik, Mr Rob
Van Loo, Mr Hans
Walker, Ms Debbie
Žnidarič, Mr Aleš

Conference Planner, South Africa
Syntell, South Africa
Syntell, South Africa
Gustave Eiffel University, France
President, International Society for WIM, Australia
Q-free, United Kingdom
SANRAL, South Africa
Texas Department of Transportation, USA
SATC, South Africa
University of Manitoba, Canada
Mikros Systems, South Africa
Corner Stone International, Switzerland
Federal Highway Administration, USA
National Building and Civil Engineering institute, Slovenia

INVITATION

Everyone in any way connected with transport is invited to register for the 40th Southern African Transport Conference (SATC 2022). 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-1E, 2A-2D, 3A-3E, 4A-4E) 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.

ISWIM delegates may register for the full day Technical Tour (5A) scheduled for Friday

DATE	SESSION NO	EVENT
Monday, 4 July		Opening Session
	1A	Infrastructure
	1B	Treasury Workshop - Public Transport and Spatial Transformation
	1C	Traffic Engineering
	1D	Rail
	1E	Rural Development/ Capacity Building
Tuesday, 5 July	2A	Infrastructure
	2B	Urban and Public Transport and Rural Development (combined session)
	2C	Freight and Logistics
	2D	Traffic Management, Safety and Security
Wednesday, 6 July	3A	3rd Regional Seminar on Weigh-In-Motion
	3B	Urban and Public Transport
	3C	9th China-Africa Transport Co-operation Forum and Maglev Trains Applications
	3D	Maritime
	3E	Aviation Workshop
Thursday, 7 July	4A	3rd Regional Seminar on Weigh-In-Motion
	4B	Disruptive Women forging a new normal in the transport sector - Brought to you by Tshwane Women in Transport
	4C	Public Private Partnership Workshop
	4D	Second Decade of Action for Road Safety, 2021 - 2030
	4E	Integrated Public Transport Networks
Friday, 8 July	5A	3rd Regional Seminar on Weigh-In-Motion Technical Tour

SPECIAL EVENT

Opening – SOUL BLEND (Afro-Soul acapella group)

SOCIAL FUNCTIONS

Cocktail Party – 17:00 to 18:30, Sponsored by Innovative Transport Solutions:

A cocktail party will be held at the conference venue after the day's proceedings on **Monday, 4 July 2022**. 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**”
- 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.

3rd REGIONAL SEMINAR ON WEIGH-IN-MOTION SOCIAL FUNCTIONS

Delegates registered for the Wednesday ISWIM session (3A) and the Thursday ISWIM session (4A), may attend the following functions:

Tuesday evening, 5 July: Welcome cocktail function at the City Lodge Lynnwood – 17h30 (This function is sponsored. Please ensure that you select the function when registering)

Wednesday evening, 6 July: Barbecue (Entertainment: African Dancers) at the CSIR ICC – 17h30 (This function is sponsored. Please ensure that you select the function when registering)

Friday 8 July: Full day Technical Tour to Mantsole Traffic Control Centre – The bus will depart at 08h00 from the City Lodge Lynnwood. 1 CPD point is earned and the cost of R300 will be added to your invoice. Lunch and refreshments will be served. This tour is sponsored.

ISWIM delegates may attend the Monday evening cocktail function (There is no cost as this is a sponsored event. Please ensure that you select the function when registering)

Thank you to our ISWIM Major Sponsors:

- CAMEA
- Intercomp Company
- International Road Dynamics (IRD Inc)
- Mikros
- Q-Free

EXHIBITION

An exhibition – a showcase for all related industries – will run concurrently with the conference from Monday, 4 July to Thursday, 7 July 2022. Exhibition space (3m x 3m) is available on a first come, first served basis. Organisations 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

TOWN LODGE MENLO PARK Atterbury Rd, Menlo Park, Pretoria Tel: 012 348-2711 (Ask for reservations) E-mail: tmenlo.resv@clhg.com	CITY LODGE LYNNWOOD Cnr Lynnwood & Daventry Rds, Lynnwood, Pretoria Tel: 012 471-0300 (Ask for reservations) E-mail: cllynnwood.gm@clhg.com
R1,180 single R1, 435 dbl (p/room) Breakfast included	R1 300 single R1 450 double (p/room) Breakfast included
Quote SOUTHERN AFRICAN TRANSPORT CONFERENCE (or Guest File no 1030685) to qualify for the discounted rate	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 in order to qualify for the discounted rates and to ensure a booking at the hotel of their choice.

TRANSPORT (Courtesy bus)

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

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 2022;
- Memory Stick containing the full papers presented at SATC 2022;
- Delegate bag
- Pen and Notebook

Extra copies of the memory sticks will be available at a cost of R150,00

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 "ADDRESSING THE NEW NORMAL AND THE FUTURE OF TRANSPORT". 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 6 May 2022.

The two top authors from each institution and their lecturer will be supported to attend SATC 2022. Flights within South Africa to Pretoria (discounted economy class), accommodation in Pretoria, meals and registration will be provided.

REGISTRATION AND PAYMENT

REGISTRATION – OPENING 1 APRIL 2022

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-1E, 2A-2D, 3A-3E and 4A-4E) 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 10 June. This is an in-person event and streaming will be limited to three sessions a day.

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	FIRZAJJ (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 2022.

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)
Student	R1 000	R1 100
Presenter (on day of presentation)	R1 500	R2 000
Young Professional (under35)	R2 000	R2 300
Delegate	R2 500	R3 100

THE REGISTRATION FEE FOR THE CONFERENCE SESSIONS AND WORKSHOPS, INCLUDE:

- Attendance on the registered day(s).
- Lunch and refreshments on the day(s) of attendance.
- Attendance of the cocktail party on Monday, 4 July. (Please indicate on the registration form).
- Attendance of the ISWIM functions if registered for session 3A and 4A (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, 1 July 2022 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 1 July 2022.

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)

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.**

OPENING ADDRESS



Hon. Fikile April Mbalula
MINISTER OF TRANSPORT

PLENARY SPEAKERS

MONDAY

Mr Mikel Mabasa
National Association of Automobile Manufacturers of South Africa (NAAMSA)



Mr Mikel Mabasa is a Transport Economist by training and currently serves as a Council Member of the International Organization of Motor Vehicle Manufacturers [OICA]. He is also the Chairman of the Automotive Industry Exports Council and a non-executive director at the South African United Business Confederation. As an aviation enthusiast, Mikel previously chaired the Air Services Licensing Council, a regulatory body under the Department of Transport that regulates access to the domestic air services market based on airlines' ability to operate safe, secure and reliable air services. He also served as the Chairman of the Board of Air Traffic Navigation Service [ATNS] and was a member of the International Air Services Council.

Mikel has an extensive private sector exposure and has held various executive management and advisory roles at blue chip companies such as The Heineken Company; Diageo; Rio Tinto; Adcock Ingram; and Japan Tobacco International. He also served as a non-executive director of numerous bodies such as the Industry Association for Responsible Alcohol Use, the Tobacco Institute of South Africa, and the Vusi Mahlasela Music Development Foundation. He also has extensive track record of success in Government policy formulation having worked in senior Government roles as Spokesperson in the Ministry of Transport and served as a Director in the Gauteng Provincial Government.

Before joining naamsa as its Chief Executive Officer, Mikel was CEO at Godisang Thabazimbi Community Development Trust (a Kumba - Sishen Iron Ore - community development initiative).

TUESDAY

Prof Dr George Giannopoulos

UNIVERSITY OF THESSALONIKI – GREECE



Prof. George A. Giannopoulos is a transportation planner, professor emeritus of the Aristotle University of Thessaloniki, Greece, and correspondent member of the Academy of Athens. He is the immediate past director of the Hellenic Institute of Transport - the National Transport research Organisation of Greece - which he founded and chaired for 16 years. He is also, Advisory Professor at the Beijing Jiaotong University (BJTU), member of the Energy Steering panel of the European Academies Science Advisory Council (EASAC) and member of the US/TRB Research Innovation Implementation Committee.

During his career, Prof. Giannopoulos worked extensively with the EU, chairing or participating in working groups or Committees in several DGs (primarily DG MOVE and DG RTD). Most notably he has been associated for 12 years - 7 of which as its chair - with the Transport Advisory Group, the high level advisory body on Transport Research Programming of DG RTD.

He is the author of 16 books, 4 of which in English, and of more than 250 papers. His two most recent books in English are: "Publicly funded Transport research in the P.R. China, Japan and Korea", published by Springer (2018), and "The accelerating Transport Innovation revolution: A global case study based analysis of current trends and experience", published by Elsevier (2019). He has received several distinctions and awards for his work and achievements.

WEDNESDAY – TO BE CONFIRMED

KEYNOTE SPEAKER – WOMEN IN TRANSPORT

THURSDAY

Hon. Lydia Sindisiwe Chikunga

DEPUTY MINISTER OF TRANSPORT



SESSIONS

MONDAY, 4 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 – 08:55	INTRODUCTION – Prof James Maina, Conference Chairman
08:55 – 09:05	WELCOME – Mr Philip Hendricks, Chairman, ATC Board
09:05 – 09:35	OPENING ADDRESS - Hon Fikile Mbalula, Minister of Transport
09:35 – 10:30	PLENARY ADDRESS – Mr Mikel Mabasa, NAAMSA
10:30 – 11:00	REFRESHMENTS

DELEGATES BREAK INTO PARALLEL SESSIONS AFTER THE REFRESHMENTS BREAK

(Detailed programme following on next page)

MONDAY, 04 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 1A – INFRASTRUCTURE	
SESSION CHAIR: Dr Emile Horak, Kubu Consultancy	
11:00 – 11:30	EXPERIMENTAL REHABILITATION OF A ROAD WITH INTRACTABLE SALT DAMAGE WITH A BITUMEN-RUBBER SINGLE SEAL - F Netterberg , Pavement Materials & Geotechnical Specialist
11:30 – 12:00	MICROBIAL INDUCED CALCIUM CARBONATE PRECIPITATION (MICP) FOR ROAD CONSTRUCTION - MA Smit and I Akhalwaya, CSIR Smart Mobility, FC Rust, Pavement Engineering Research Consultancy and VM Ramdas, CSIR Chemicals Cluster
12:00 – 12:30	STUDY ON PAVEMENT DAMAGE CAUSED BY AXLE OVERLOADING AND ASSOCIATED COSTS IN KENYA – EO Ochola , World Bank and JB Odoki, IMES Ltd, United Kingdom
12:30 – 13:00	INVESTIGATION INTO THE VARIATION IN AIRFIELD PAVEMENT STRENGTH RATING CALCULATION - A M Hartman , Zutari
13:00 – 14:00	LUNCH
14:00 – 14:30	BITUMEN-AGGREGATE ADHESION:A PREDICTIVE STUDY BASED ON ZETA POTENTIAL ANALYSIS USING THE STREAMING POTENTIAL TECHNIQUE - B Nomlala , Z Mthembu and G Mturi, CSIR Smart Mobility and A Hefer, Dr Arno Hefer Consulting
14:30 – 15:00	HIGH-TEMPERATURE RHEOLOGICAL PROPERTIES OF LIGNIN MODIFIED ASPHALT BINDER - J Gao , Chongqing Jiaotong University and Chang'an University, China and X Xue, Chang'an University and Xi'an Municipal Engineering Design & Research Institute Co, China
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	ENVIRONMENTALLY OPTIMISED DESIGN OF ROAD SURFACING ALTERNATIVES FOR STEEP SLOPE SECTIONS ON RURAL ROADS - EK Debrah , CSIR-BRRI, Ghana and JK Anochie-Boateng, CSIR Smart Mobility
16:00 – 16:30	USING MULTICRITERIA ANALYSIS TO SELECT ALTERNATIVE SURFACINGS FOR LOW VOLUME ROADS - CJ Pretorius and AM Hartman, Zutari
16:30 – 17:00	A LABORATORY PROCEDURE USING THE DYNAMIC CONE PENETROMETER FOR ASSESSING THE SUITABILITY OF MATERIALS FOR LOW VOLUME ROADS - MI Pinard , Infra Africa Consultants, Botswana, J Hongve, Independent Consultant, Norway and P Paige-Green, Tshwane University of Technology
17:00 – 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

MONDAY, 04 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, Analytrics Consulting	
11:00 – 11:30	PROGRESS OF THE NATIONAL TREASURY’S CITIES SUPPORT PROGRAMME IN SUPPORTING CITIES AND FUTURE PROSPECTS – B Leon , National Treasury Cities Support Programme
11:30 – 12:00	LESSONS FROM CONVERSATIONS WITH CITIES ON PUBLIC TRANSPORT AND SPATIAL TRANSFORMATION – F Asimwe , CSIR
12:00 – 12:30	PRIORITISATION OF PUBLIC TRANSPORT SERVICE DELIVERY WITH NEW MUNICIPAL COUNCILLORS – U Mntonintshi , South African Local Government Association
12:30 – 13:00	DISCUSSION: AGENDA FOR PUBLIC TRANSPORT AND SPATIAL TRANSFORMATION IN CITIES
13:00 – 14:00	LUNCH
14:00 – 14:30	WHAT PROPERTY DEVELOPERS AND PROPERTY OWNERS WISH TRANSPORT PLANNERS KNEW ABOUT PROPERTY DYNAMICS – M Pitjeng , TseboREAL Asset Management
14:30 – 15:00	QUESTIONS AND ANSWERS: South African Property Owners Association
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	SUSTAINABLE OPTIONS TO ADDRESSING ENCROACHMENT OF SETTLEMENTS IN RAIL RESERVES – S Maqetuka , National Treasury Cities Support Programme
16:00 – 16:30	MAPPING THE SPATIAL DISTRIBUTION OF HOUSEHOLD TRANSPORT ENERGY INTENSITY– D Madumo and M Mokonyama, CSIR
16:30 – 17:00	DISCUSSION: RESILIENCE OF CITIES TO MIGRATION AND ENERGY PRICE DYNAMICS
17:00 – 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

MONDAY, 04 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: Dr Andrew Aucamp, EtheKwini Municipality	
11:00 – 11:30	IMPLEMENTATION OF UAVS AND FCD IN ADAPTING TO THE 'NEW NORMAL' IN THE TRANSPORTATION INDUSTRY – A TRAFFIC MANAGEMENT CASE STUDY - R Ebrahim , M Bruwer and SJ Andersen, Innovative Transport Solutions
11:30 – 12:00	EVALUATING OPERATIONAL AND CONGESTION IMPROVEMENTS ASSOCIATED WITH THE DUALLING OF SINGLE CARRIAGEWAY ARTERIALS - DD Fortuin , Department of Transport and Public Works, Western Cape Government and MM Bruwer, Stellenbosch University
12:00 – 12:30	THE IMPACT OF THE COVID-19 PANDEMIC ON URBAN MOVEMENT: USING FLOATING CAR DATA TO ANALYSE ROAD-BASED TRAFFIC PATTERNS - MM Bruwer and SJ Andersen - Stellenbosch University
12:30 – 13:00	DISCUSSION
13:00 – 14:00	LUNCH
14:00 – 15:00	STATE OF TRAFFIC SIGNALS AND INTELLIGENT TRANSPORT SYSTEMS IN SOUTH AFRICAN CITIES – J Coetzee , Innovative Transport Solutions, A Aucamp , EThekwini Transport Authority and L Nel , Johannesburg Roads Agency
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	MATRIX ESTIMATION FROM TRAFFIC COUNTS: INTEGRATING THE PROPORTIONAL PATH AVERAGES ALGORITHM INTO TRAFFIC SIMULATION SOFTWARE - JdeV Oberholzer , Hatch Africa
16:00 – 16:30	REAL-TIME MODELLING FOR SMART TRAFFIC MANAGEMENT SYSTEMS, WITH PROACTIVE TRAFFIC CONTROL AND DEMAND OPTIMIZATION – D Menichetti , PTV Vision, Dubai
16:30 – 17:00	DISCUSSION
17:00 - 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

MONDAY, 04 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 1D – RAIL ‘THE NATIONAL RAIL POLICY’	
SESSION CHAIR: Prof Hannes Gräbe, University of Pretoria	
11:00 - 11:30	INTRODUCTION TO THE NATIONAL RAIL POLICY – N Makoape , National Department of Transport
11:30 - 12:00	RAIL OPERATOR VIEWPOINT – I Naidoo , Transnet
12:00 - 12:30	RAIL OPERATOR VIEWPOINT – PRASA
12:30 - 13:00	RAIL OPERATOR VIEWPOINT – W Dachs , Gautrain
13:00 - 14:00	LUNCH
14:00 - 14:15	DRAFTING OF THE NATIONAL RAIL POLICY – J van der Merwe
14:15 - 14:30	STAKEHOLDER VIEWPOINT: SAFETY ASPECTS – T Kgare , Railway Safety Regulator (RSR)
14:30 - 14:45	INDUSTRY VIEWPOINT – M Nhlapo , The African Rail Industry Association (ARIA)
14:45 - 15:00	TRANSPORT LOGISTICS ASPECTS – J Havenga , Stellenbosch University
15:00 - 15:30	REFRESHMENTS
15:30 - 17:00	PANEL DISCUSSION – National Department of Transport, Transnet, PRASA, Gautrain, RSR, ARIA and other stakeholders
17:00 - 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

MONDAY, 04 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 1E – CAPACITY BUILDING/ TRANSPORT FOR RURAL DEVELOPMENT	
SESSION CHAIR: Prof James Chakwizira, North West University	
11:00 – 11:30	TRANSFERRABLE CAPACITY DEVELOPMENT LESSONS IN SUPPORT OF MUNICIPAL TRANSPORT SERVICE DELIVERY: CASE STUDY OF BOJANALA PLATINUM DISTRICT - M Mphahlele , Kelelo Knowledge Management and M Mokonyama, CSIR
11:30 – 12:00	EQUITY IN URBAN TRANSPORT - KT Sarath and B Rangan, Indian Institute of Technology Bombay, India
12:00 – 12:30	TOWARDS MARSHALLING SUSTAINABLE DEVELOPMENT KINETIC ENERGY ON THE EASTERN SEABOARD THROUGH THE CONCEPT OF A RURAL SMART CITY – N Vimba – Municipal Infrastructure Support Agent (MISA)
12:30 – 13:00	DISCUSSION
13:00 – 14:00	LUNCH
14:00 – 14:30	CRAFTING A SUSTAINABLE POST-PANDEMIC RECOVERY PATH: MASS TRANSIT THROUGH CABLE CARS – D Mdunge – SAFIRI
14:30 – 15:00	PROPOSED APPROACH TO ADDRESS THE REGULATION OF METERED TAXI AND E-HAILING SERVICES WITHIN THE ETHEKWINI MUNICIPALITY - R Pillay, R Chetty and K Kuppusamy - Ethekwini Transport Authority
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	CITY OF CAPE TOWN'S TRANSPORT RESPONSE TO COVID-19 REGULATIONS AND DIRECTIVES - L Van den Berg , City of Cape Town
16:00 – 16:30	THE SOUTH AFRICA MINIBUS TAXI INDUSTRY AND ITS OPERATORS: WORKING CONDITIONS DURING COVID 19 - MM Muthige and JD Beneke - Vaal University of Technology
16:30 – 17:00	RURAL TRANSPORTATION AND SOCIAL INCLUSION CHALLENGES AND OPPORTUNITIES: A CASE STUDY IN NORTH WEST PROVINCE – NGAKA MODIRI MOLEMA DISTRICT - LJ Kgori , Department of Community Safety and Transport Management, North West Provincial Government and R Jakobo , Western Cape Department of Transport and Public Works
17:00 - 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 5 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)
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 2A – INFRASTRUCTURE	
SESSION CHAIR: Prof Joseph Anochie-Boateng, University of Pretoria	
09:30 – 10:00	THE BIESIESVLEI LONG-TERM PLASTIC CALCRETE BASE EXPERIMENT: PERFORMANCE OVER 30 YEARS UNTIL FAILURE - F Netterberg , Pavement Materials & Geotechnical Specialist
10:00 – 10:30	LATEST DEVELOPMENT OF THE MOBILE LOAD SIMULATORS (MLS) IN CHINA AND THE TECHNICAL FEATURES OF THE CHINESE NATIONAL STANDARDS ON THE ACCELERATED PAVEMENT TESTING MLS - Y Wang , South Africa-China Transport Co-operation Center (SACTCC) & International Society of the Mobile Load Simulators(ISMLS), C Hu, South China University of Technology, China, N Zheng, Chang'an University, China, C Wu and F Liu, Guangdong Hualu Transport Technology Co.Ltd, China and W Zhang, TIPTOP China Limited, China
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	LOCALIZED BRIDGE LOADING FOR SOUTH AFRICA USING WIM DATA - J Van Rooyen , Stellenbosch University and PF Van Der Spuy , Zutari
11:30 – 12:00	DETERMINING BRIDGE LOADING FROM SOUTH AFRICAN WIM DATA - PF Van Der Spuy - Zutari and Stellenbosch University
12:00 – 12:30	THE STATE OF BRIDGE LOADING IN SOUTH AFRICA - PF Van Der Spuy , Zutari and Stellenbosch University
12:30 – 13:00	DISCUSSION
13:00 – 14:00	LUNCH
14:00 – 14:30	STUDIES ON BONDING PROPERTIES BETWEEN POLYPROPYLENE WATERPROOF PLATE AND CONCRETE SEGMENT IN SHIELD TUNNELS - S Yin and M Zhou, Chang'an University, China
14:30 – 15:00	MODAL PUSHOVER ANALYSIS OF MULTI-LAYER OVERPASS BRIDGE - G Zhu and M Zhou, Chang'an University, China
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	DIGITAL TWINS FOR ROAD INFRASTRUCTURE - R Matchett, Zutari and J Wium, Stellenbosch University
16:00 – 16:30	DIGITAL TWINS – C Davey , University of Pretoria
16:30 – 17:00	DISCUSSION
17:10	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 5 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)
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 2B – URBAN AND PUBLIC TRANSPORT/ RURAL TRANSPORT	
SESSION CHAIR: Prof Roger Behrens, University of Cape Town	
09:30 – 10:00	EVALUATING DIFFERENT MULTI-CRITERIA DECISION METHODS FOR THE COMPARISON AND INVESTIGATION OF PUBLIC TRANSPORT PROJECTS - S Patel Papathanasiou , UDS Africa and M Vanderschuren, University of Cape Town
10:00 – 10:30	DEVELOPING A GENDER AND MOBILITY POLICY ASSESSMENT TOOL: SOUTH AFRICA AS A PILOT COUNTRY – G Jennings , Research Consultant and L Mosshammer, S Minovi and R Munoz-Raskin, World Bank
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	GREENING THE TRANSPORT SECTOR BY MAINSTREAMING BIODIVERSITY - G Teren , The Endangered Wildlife Trust and W Collinson, The Endangered Wildlife Trust and the University of Venda
11:30 – 12:00	AN ANALYSIS OF CROSS-BORDER MINIBUS TAXI MOVEMENT PATTERNS USING GEOGRAPHIC INFORMATION SYSTEM (GIS): CASE STUDY OF ROUTES BETWEEN SOUTH AFRICA AND ITS NEIGHBOURS - ZP Msibi , Cross-border Road Transport Agency
12:00 – 12:30	PUBLIC TRANSPORT AS A STIMULUS IN SOCIO- ECONOMIC DEVELOPMENT AND URBAN REGENERATION; CASE STUDY: DETAILED PUBLIC TRANSPORT PLAN FOR THE INNER CITY AND OUTER RING OF ETHEKWINI MUNICIPALITY - A Kishoon and Y Pillay, SMEC South Africa, R Chetty and A Naraidu, Ethekwini Transport Authority
12:30 – 13:00	DISCUSSION
13:00 – 14:00	LUNCH
SESSION CHAIR: Prof James Chakwizira, North West University	
14:00 – 14:30	TRANSPORT RELATED AIR POLLUTION AND ITS IMPLICATIONS ON PUBLIC HEALTH ALONG SELECTED ROAD CORRIDORS IN LAGOS METROPOLIS, NIGERIA - SA Ajayi, CA Adams and G Dumedah, Regional Transport Research and Education Centre Kumasi (TRECK) Kwame University of Science and Technology Kumasi, Ghana and W Ackaah, CSIS; Building and Road Research Institute Kumasi Ghana
14:30 – 15:00	ARE ALL MINIBUS TAXI OWNERS BORN OF THE SAME NON-BUDGETING MOTHER? - MM Muthige , JD Beneke, N Robbertze and S Manuel, Vaal University of Technology
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	INVESTIGATING THE RELATIONSHIP BETWEEN TRANSPORT AND LABOUR DISCOURAGEMENT IN SOUTH AFRICA - JM Van der Merwe and SC Krygsman , Stellenbosch University
16:00 – 16:30	GENDER PARITY IN THE MINIBUS TAXI INDUSTRY IN SEDIBENG DISTRICT – MM MUTHIGE , Vaal University of Technology
16:30 – 17:00	DISCUSSION
17:10	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 5 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)
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 2C – FREIGHT AND LOGISTICS	
SESSION CHAIR: Dr Paul Nordengen, Heavy Vehicle Transport Technology Africa	
09:30 – 10:00	TYRE CLASSIFICATION TECHNOLOGY FOR IMPROVED ROAD SAFETY, REDUCED EMISSIONS, AND INFRASTRUCTURE PROTECTION - BO Ezeanowi and TW Haichert, International Road Dynamics, Canada
10:00 – 10:30	DISCUSSION SESSION
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	A RECONFIGURABLE LINEAR MODEL FOR PBS VEHICLE DEVELOPMENT - TMG Komana and PS Els, University of Pretoria
11:30 – 12:00	USING GAUSSIAN PROCESS MACHINE LEARNING TO PREDICT DYNAMIC ROAD WEAR OF A RIGID HEAVY VEHICLE - AJ Steenkamp , CSIR Smart Mobility and AL Steenkamp, CSIR Defence and Security
12:00 – 12:30	DEVELOPING A TRUCK ROLLOVER RISK CALCULATOR FOR SOUTH AFRICA - A Ferreira , University of the Witwatersrand, CC de Saxe, University of Cambridge, United Kingdom and University of the Witwatersrand, A Steenkamp, CSIR Smart Mobility and J Nordengen, University of Pretoria
12:30 – 13:00	DISCUSSION SESSION
13:00 – 14:00	LUNCH
14:00 – 14:30	IMPROVEMENT OF THE ECONOMIC AND OPERATIONAL EFFICIENCY OF FREIGHT ROAD AND RAIL TRANSPORTATION IN SOUTH AFRICA - BJ Mokobori , R Gopinath and Dk Das, Central University of Technology, Free State
14:30 – 15:00	INDIVIDUAL ETHICAL ORIENTATION, ETHICAL SENSITIVITY AND PERFORMANCE OF THIRD PARTY LOGISTICS FIRMS IN UGANDA - P Tushabe , African Shipping Association (ASA)
15:00 – 15:30	REFRESHMENTS
SESSION CHAIR: Prof Alex Visser, University of Pretoria	
15:30 – 17:00	PRESENTATIONS BY STUDENT ESSAY WINNERS 1.ADDRESSING THE ‘NEW ENERGY AND TRANSPORT NORM’: SOME VIEWS ON A GREENHOUSE EMISSIONS INNOVATIVE APPROACH IN THE TRANSPORT SECTOR OF SOUTH AFRICA - L Mawelewele , University of Venda 2.ADDRESSING THE NEW NORMAL AND THE FUTURE OF TRANSPORT - HK Simon , University of Namibia 3. ADDRESSING THE NEW NORMAL AND THE FUTURE OF TRANSPORT: CONCEPTUALISING THE ADOPTION OF MOBILE PAYMENT SOLUTIONS FOR PUBLIC TRANSPORT IN SOUTH AFRICA - R Smit , Stellenbosch University 4. ADDRESSING THE NEW NORMAL AND THE FUTURE OF TRANSPORT: THE FUTURE OF TRANSPORT DATA COLLECTION USING FLOATING CAR DATA - SI Nalubega , Stellenbosch University

	5. THE FUTURE OF TRANSPORTATION UNDER THE NEW NORMAL - J Li , Chang'an University, China
17:10	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 5 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)
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 2D – TRAFFIC MANAGEMENT, SAFETY AND SECURITY	
CHAIR: Dr Karien Venter, CSIR	
09:30 – 10:00	SOUTH AFRICA'S RESPONSE TO THE GLOBAL ROAD SAFETY PLAN – T Ndebele , Road Traffic Management Corporation
10:00 – 10:30	DEFENSIVE ADVANCED DRIVING, LAW ENFORCEMENT AND WORKING CONDITIONS: A MINIBUS TAXI DRIVER'S - MM Muthige , Vaal University of Technology
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	HARNESSING LEISURE CYCLISTS TO PROMOTE COMMUTER CYCLING - E da Silva and P Onderwater , Hatch Africa
11:30 – 12:00	THE EFFECTIVENESS OF SIDEWALKS ON PEDESTRIAN SAFETY IN A TOWNSHIP ENVIRONMENT - D Naicker and M Sinclair, Stellenbosch University
12:00 – 12:30	IMPROVING ROAD SAFETY THROUGH UNIVERSAL DESIGN AND ACCESSIBILITY (UD&A) WITHIN THE BUILT ENVIRONMENT AND INFRASTRUCTURE – F Combrinck , Johannesburg Roads Agency
12:30 – 13:00	DISCUSSION
13:00 – 14:00	LUNCH
SARF ENGINEERING FOR SAFE SYSTEM FORUM 2022	
14:00 – 14:10	INTRODUCTION AND OVERVIEW OF THE DEVELOPMENT OF TMH24 AND TRH29 - Road Traffic Management Corporation
14:10 – 15:00	TMH24 SARRSM 2022: SOUTH AFRICAN ROAD RESTRAINT SYSTEMS MANUAL - LdV Roodt
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	TRH 29 SARRSM 2022 – SOUTH AFRICAN ROAD SAFETY ASSESSMENT METHODS- VOLUME 1 AND 2: DEVELOPMENT OF SOUTH AFRICAN NETWORK LEVEL ASSESSMENT AND ROAD SAFETY INSPECTION GUIDELINES - FJJ Labuschagne
16:00 – 16:30	TRH29 SARRSM 2022 – SOUTH AFRICAN ROAD SAFETY ASSESSMENT METHODS - VOLUME 3: ROAD SAFETY AUDITS - SE Grosskopf
16:30 – 17:00	DISCUSSION
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 6 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)
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3A – 3RD REGIONAL SEMINAR ON WEIGH-IN-MOTION	
OPTIMISING ROAD FREIGHT TRANSPORT USING WIM DATA	
SESSION CHAIR: Mr Hans van Loo	
09:30 – 09:40	WELCOME AND INTRODUCTION OF ISWIM – C Koniditsiotis , ISWIM, Australia
09:40 – 09:50	INTRODUCTION OF PIARC
09:50 – 10:10	USE OF WIM DATA IN SOUTH AFRICA – L Kannemeyer , South African National Roads Agency (SANRAL)
10:10 – 10:30	WIM PROJECTS IN TANZANIA – R Matavila , TANROADS, Tanzania
10:30 – 11:00	REFRESHMENTS
WIM FOR DIRECT WEIGHT ENFORCEMENT	
SESSION CHAIR: Mr Hans van Loo	
11:00 – 11:30	OVERLOAD DETECTION AND MITIGATION IN THE WORLD – B Jacob , University G.Eiffel, France
11:30 – 12:00	LEGAL FRAMEWORK IN SOUTH AFRICA – A Swanepoel , Alta Swanepoel and Associates
12:00 – 12:30	IMPLEMENTATION OF WIM FOR DIRECT ENFORCEMENT IN BRAZIL – F Bráulio , DNIT, Brazil
12:30 – 13:00	WIM FOR DIRECT ENFORCEMENT IN FRANCE – D Bétaille , University G. Eiffel, France
13:00 – 14:00	LUNCH
PRACTICAL APPLICATIONS OF WIM	
SESSION CHAIR: Mr Andy Lees, Q-Free	
14:00 – 14:20	SHOW CASE PROJECT: MIKROS - R Sik , Mikros
14:20 – 14:40	SHOW CASE PROJECT: INTERCOMP – A van Heel , Intercomp, USA
14:40 – 15:00	SHOW CASE PROJECT: CAMEA – J Fučík , CAMEA, Czech Republic
15:00 – 15:30	REFRESHMENTS
IMPLEMENTATION OF A WIM NETWORK	
SESSION CHAIR: Dr Paul Nordengen, Heavy Vehicle Transport Technology Africa	
15:30 – 16:00	UGANDA VIRTUAL WIM PROJECT – B Ezeanowi , International Road Dynamic, Canada
16:00 – 16:30	SELECTION OF WIM LOCATIONS – L Franceschi , Labtrans, Brazil
16:30 – 17:00	HYBRID IMPLEMENTATION OF WIM – H van Loo , Corner Stone International, Switzerland
17:10	BUS DEPARTS FOR APPOINTED HOTELS
17:30	ISWIM BARBEQUE FUNCTION

WEDNESDAY, 6 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)
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3B – URBAN AND PUBLIC TRANSPORT	
SESSION CHAIR: Prof Roger Behrens, University of Cape Town	
09:30 – 10:00	ANALYSING NHTS ON PUBLIC TRANSPORT ASPECTS - P Onderwater , Hatch Africa
10:00 – 10:30	USING TOPIC MODELLING TO ANALYSE BUS ROUTE DATA - HS Koen and J Cornelius, CSIR and R Oosthuizen, University of Pretoria
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	MOVING FROM A REACTIVE TO PROACTIVE PUBLIC TRANSPORT REGULATORY ENVIRONMENT IN THE CITY OF CAPE TOWN; PHASE 1: MINIBUS TAXI SPECIAL REGULATORY PROJECT - L Van Den Berg , City of Cape Town
11:30 – 12:00	AN INNOVATIVE METHOD TO COLLECT ROUTE CHOICE PREFERENCE DATA USING A SMARTPHONE APPLICATION - G Hayes and C Venter, University of Pretoria
12:00 – 12:30	EXPERIMENTS IN UNDERSTANDING PASSENGER NEEDS ON THE FIRST AND LAST MILE OF THE PUBLIC TRANSPORT TRIP - C Venter , G Hayes and D Watts, University of Pretoria
12:30 – 13:00	ASSESSING THE EFFECTIVENESS OF REDUCED PARKING REQUIREMENTS IN FACILITATING TRANSIT-ORIENTED DEVELOPMENT: A CASE STUDY OF 'PT AREAS' IN CAPE TOWN - N Sasman , City of Cape Town and R Behrens, University of Cape Town
13:00 – 14:00	LUNCH
14:00 – 14:30	THE STATE OF TRANSPORT OPINION POLL: GAUTENG 2021 - GJ Heyns and R Luke, University of Johannesburg
14:30 – 15:00	A SELF-PERCEPTION THEORY META-ANALYSIS OF THE HABIT-BREAKING IMPACTS OF COVID-19 TRAVEL RESTRICTIONS IN SOUTH AFRICAN CITIES - R Behrens , H Tamuka Moyo and M Zuidgeest, University of Cape Town
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	PUBLIC TRANSPORT AS A DRIVER OF ECONOMIC AND SOCIAL REVITALISATION IN CENTRAL BUSINESS DISTRICTS: THE CASE OF PINETOWN, ETHEKWINI - R Pillay and R Chetty, Ethekwini Transport Authority and K Kuppusamy, SMEC South Africa
16:00 – 16:30	'PEDESTRIANS DON'T BUILD THE ECONOMY': WHY WALKING POLICIES DON'T MATCH POLICY OUTCOMES IN AFRICAN CITIES - J Benton , University of Manchester, United Kingdom, G Jennings, Research Consultant, J Walker and J Evans, Walk21 Foundation, United Kingdom
16:30 – 17:00	OVER A DECADE OF DEVELOPING ACCESSIBLE INFRASTRUCTURE IN SOUTH AFRICA (FROM THE TSHWANE-GIBB DRAFT GUIDELINE 2011 TO THE NATIONAL TECHNICAL REQUIREMENTS NTR 1 TACTILE PEDESTRIAN CROSSINGS 2016, AND TODAY, 2022) - F Combrinck , Johannesburg Roads Agency
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 6 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)
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3C – 9TH CHINA AFRICA TRANSPORT CO-OPERATION FORUM AND MAGLEV TRAINS APPLICATIONS	
SESSION CHAIR: Dr Emile Horak, Kubu Consultancy	
09:30 – 10:00	THE NEW DEVELOPMENT 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 CENTRE(SACTCC) - C Masoka , Department of Science and Innovation - Y Wang , South Africa-China Transport Co-operation Center(SACTCC) - S Macamo , Counsellor, Mozambique Embassy to South Africa - J Kang , UNESCO Engineering Education Centre
10:00 – 10:30	PROGRESS REPORT ON TWO RESARCH PROJECTS APPROVED BY CHINA-AFRICA INSTITUTE WITH CHINA AND AFRICAN UNION - China-Africa Institute(CAI), Asia and Global Strategy Institute and China-Africa Transport Strategy Institute(CATSRI) – Z Li , CASS and J Grundling , Tshwane University of Technology
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	NOVA PAVEMENT MATERIALS AND APPLICATIONS AT GUANGDONG AND PEARL DELTA REGION OF CHINA – C Hu , South China University of Technology (SCUT), Guangzhou, China and Pavement Doctors Consultants
11:30 – 12:00	INNOVATIVE CO-OPERATIVE PROGRAM AND TECHNOLOGY TRAINING ADVANCEMENT DEVELOPMENT AMONG SOUTH AFRICA, SADC, AFRICA AND CHINA – N Feza , University of Venda and A Liu , Hubei University of Technology with the SACTCC
12:00 – 12:30	CASE STUDIES FOR COLLECTING DYNAMIC DATA WITH FATIGUE ANALYSIS ON ACCELERATED PAVEMENT TESTING (APT) BY THE 1/3 SCALED LOADING SIMULATORS IN CHINA AND SOUTH – C Zhuang , The International Society of the Mobile Load Simulator (ISMLS)
12:30 – 13:00	INTERNATIONAL PROFESSIONAL TRAINING PROGRAMME AT YUNNAN JIAOTONG (TRANSPORT) COLLEGE AND INTENT CO-OPERATIONS WITH SOUTH AFRICA AND AFRICA – Y Zhao , Yunnan Jiaotong(Transport) College and J Jia , Yunnan Provincial Highway Research Institute APT/MLS Lab.
13:00 – 14:00	LUNCH
MAGLEV TRAINS APPLICATIONS – SESSION CHAIR: Mr Tshepo Kgobe	
14:00 – 14:30	OVERVIEW: SMART CITIES AND SMART TRANSPORT – G de Beer
14:30 – 15:00	TRANSPORT ECONOMY, TRANSPORT OPTIONS AND CHALLENGES – P Lombard
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	MAGLEV TRAIN OPERATIONS – W Mu , China Specialist
16:00 – 16:30	MAGLEV TECHNOLOGY
16:30 – 17:00	DISCUSSION AND SUMMARY – P Vorster , ITS SA
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 6 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)
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3D – MARITIME	
SESSION CHAIR: Mr Tebogo Mojafi, SAMSA	
09:30 – 10:00	USING MARINE SPATIAL PLANNING TO ALIGN PRIORITY AREAS FOR MARITIME TRANSPORTATION ACTIVITIES – M Ramakulukusha , The National Department of Forestry, Fisheries and the Environment
10:00 – 10:30	FREIGHT FORWARDERS' ROLE IN EFFICIENT PORTS - SP Mokoena and C Mara, University of Johannesburg
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	SUCCESSFUL LEADERSHIP STYLES FOR GLOBAL COMPETITIVENESS - C Mara, University of Johannesburg and T Mushayi , University of Namibia
11:30 – 12:00	SMART PORTS: IS SADC POSITIONED FOR TRANSITION? - LA Grimett , Moses Kotane Institute
12:00 – 12:30	INCIDENT MANAGEMENT SYSTEM FOR AN EFFECTIVE MARITIME INCIDENT RESPONSE – A CASE FOR SOUTH AFRICA – R Naicker , South African Maritime Safety Authority (SAMSA)
12:30 – 13:00	SHIPPING'S ENERGY TRANSITION: STRATEGIC OPPORTUNITIES IN SOUTH AFRICA – K Abhold , Global Maritime Forum
13:00 – 14:00	LUNCH
14:00 – 14:30	ADDRESSING GHG EMISSIONS IN MARITIME SECTORS IN LEAST DEVELOPING ISLAND STATE: CASE OF MADAGASCAR - MV Rabemlafara , Agence Portuaire Maritime et Fluviale, Madagascar
14:30 – 15:00	FACILITATING TRANSITION TO DECARBONISING AFRICAN WATERS; THE ROLE OF MARITIME TECHNOLOGY COOPERATION CENTRES – L Ngugi , Jomo Kenyatta University of Agriculture And Technology, Kenya
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	SYSTEMS APPROACH TO COASTAL AND MARINE TOURISM – CHALLENGES AND OPPORTUNITIES: UGU DISTRICT, KWAZULU-NATAL - VB Zulu , S84 Learnovate
16:00 – 16:30	THE NEW NORMAL FOR COASTAL STATES - O Eriksson and K Gregory , International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA)
16:30 – 17:00	SUMMARY OF THE SESSION
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 6 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)
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3E – AVIATION WORKSHOP	
SESSION CHAIR: Dr Bridget Ssamula, AECOM	
09:30 – 10:00	SMOOTH SKIES AHEAD: TURNING THE TURBULANCE TIDE - G Peme, L Less, and M Mpofu, Airports Company South Africa (ACSA)
10:00 – 10:30	PANEL DISCUSSION: AIRPORTS COMPANY SOUTH AFRICA
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	THE USE OF DRONE TECHNOLOGY TO EVALUATE AND REPORT PAVEMENT CONDITIONS IN SOUTH AFRICAN AIRPORTS - TK Maloka , WA Elsaigh and JE Honiball, Tshwane University of Technology
11:30 – 12:00	SUSTAINABLE AVIATION FUEL PRODUCTION IN SOUTH AFRICA: POTENTIAL AND OPPORTUNITIES - F Chireshe, J Reeler and T Bole-Rentel, Worldwide Fund for Nature South Africa
12:00 – 13:00	PANEL DISCUSSION: REVITALISING THE INDUSTRY POST PANDEMIC - D Samuels , Wesgro, J Vermooten , Independent Consultant and J Howell , Avia-Dev
13:00 – 14:00	LUNCH
14:00 – 14:30	STRATEGIC AEROTROPOLIS PROJECTS UPDATE- KING SHAKA INTERNATIONAL AIRPORT, PROVINCIAL PERSPECTIVE – C Hamadzipi , KwaZulu-Natal Department of Economic Development, Tourism and Environmental Affairs
14:30 – 15:00	STRATEGIC AEROTROPOLIS PROJECTS UPDATE- CAPE TOWN INTERNATIONAL AIRPORT, PROVINCIAL PERSPECTIVE – D Samuels , Wesgro
15:00 – 15:30	REFRESHMENTS
	END OF SESSION

THURSDAY, 7 JULY

07:30 – 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
SESSION 4A – 3RD REGIONAL SEMINAR ON WEIGH-IN-MOTION	
QUALITY IMPROVEMENT OF WIM DATA	
SESSION CHAIR: Ms Michelle van der Walt, SANRAL	
08:30 – 09:00	UPDATED TT WIM CALIBRATION METHOD – G de Wet , Static Motion
09:00 – 09:30	REVISION OF THE OIML R134 STANDARD – B Jacob , University G.Eiffel, France
09:30 – 10:00	CORRECTION MODEL FOR HS-WIM SYSTEMS – G Otto , Labtrans, Brazil
10:00 – 10:30	TRUCK SILHOUETTES ANALYSIS WITH WIM DATA – O Quoy , Atlandes, France
10:30 – 11:00	REFRESHMENTS
WIM FOR DIRECT WEIGHT ENFORCEMENT	
SESSION CHAIR: Mr Hans van Loo, Cornerstone International	
11:00 – 13:00	PANEL DISCUSSION: WIM FOR DIRECT WEIGHT ENFORCEMENT M van der Walt, M Hellens, G de Wet, B Jacob, C Davis and T Kearney
13:00 – 14:00	LUNCH
PRACTICAL APPLICATIONS OF WIM	
SESSION CHAIR: Mr Andrew Houliston	
14:00 – 14:20	SHOW CASE PROJECT: Q-FREE – T Green , Q-Free, United Kingdom
14:20 – 14:40	SHOW CASE PROJECT: INTERNATIONAL ROAD DYNAMICS – B Ezeanowi , IRD, Canada
14:40 – 15:00	SHOW CASE PROJECT: CESTEL – M Mavrič , Cestel, Slovenia
15:00 – 15:30	REFRESHMENTS
SELF REGULATION IN OVERLOAD CONTROL	
SESSION CHAIR: Mr Hans van Loo	
15:30 – 15:50	INTELLIGENT ACCESS PROGRAM – C Koniditsiotis , (former CEO) TCA, Australia
15:50 – 16:10	ROAD TRANSPORT MANAGEMENT SYSTEM – P Nordengen , Road Transport Management System (RTMS)
16:10 – 16:30	INTELLIGENT ACCESS IN EUROPE – L Aarts , Rijkswaterstaat, The Netherlands
16:30 – 16:45	THE FUTURE OF WIM IN SOUTH AFRICA – M van der Walt and L Leseane , South African National Roads Agency (SANRAL)
16:45 – 17:00	SUMMARY AND CLOSURE OF SEMINAR – C Koniditsiotis , ISWIM, Australia
17:10	BUS DEPARTS FOR APPOINTED HOTELS

THURSDAY, 7 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
SESSION 4B – DISRUPTIVE WOMEN FORGING A NEW NORMAL IN THE TRANSPORT SECTOR - BROUGHT TO YOU BY TSHWANE WOMEN IN TRANSPORT	
SESSION CHAIR: Ms Lesedi Mokoma, CSIR	
08:30 – 09:00	WELCOME – M Mhlanga-Mochadibane , Tshwane Women in Transit (TWIT)
09:00 – 09:30	KEY NOTE SPEAKER DEPUTY MINISTER OF TRANSPORT – MS SINDISIWE CHIKUNGA
09:30 – 10:00	PIONEERING CHANGE IN REGIONAL - N Moloto , Tsa-Africa
10:00 – 10:30	THE IMPACT AND EFFECT OF COVID19 TO WOMEN IN THE TAXI BUSINESS – F Makhasane , SANWIT Gauteng
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	CHALLENGES FACED BY WOMEN AMID COVID 19 PANDEMIC IN THE TRANSPORT INDUSTRY - M Matshwane , National Department of Transport
11:30 – 12:00	WOMEN INSPIRING WOMEN TO LEAD IN TRANSPORT; THE OPPORTUNITIES AND CHALLENGES - N Scott
12:00 – 12:30	HOW THE CITY OF JOHANNESBURG IS COMPLETING ITS STREETS - N Ciko , City of Joburg (COJ)
12:30 – 13:00	UNPACKING WAYS TO INSPIRE AND EMPOWER WOMEN IN THE TRANSPORT SECTOR - S Mgozeli
13:00 – 14:00	LUNCH
14:00 – 14:30	WOMEN, MOBILITY AND MODE CHOICE IN SOUTH AFRICA - N Cheure , University of Pretoria
14:30 – 15:00	REVOLUTION AND TECHNOLOGY IN TRANSPORT AND WHAT IT MEANS FOR WOMEN AS CONSUMERS AND PRODUCERS – N Mhlanga , Standard Bank SA
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	CHALLENGES EXPERIENCED BY FEMALE PROFESSIONALS IN THE TRANSPORT SECTOR - I Tshenye , City of Tshwane
16:00 – 16:30	INVESTING IN WOMEN CENTRIC TRANSPORT - HOW TRANSPORT SECTOR CAN HELP WOMEN ACHIEVE THEIR DREAMS - N Matebese-Maponya , DBSA and Women Centric Transport Pioneer
16:30 – 17:00	ENABLING SMART MOBILITY FOR SMART AFRICAN CITIES; OPPORTUNITY FOR WOMEN - V Majola , Ubunye Capital
17:10	BUS DEPARTS FOR APPOINTED HOTELS

THURSDAY, 7 JULY

07:30 – 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
SESSION 4C – PUBLIC PRIVATE PARTNERSHIP WORKSHOP	
SESSION CHAIR: Ms Laverne Dimitrov, DBSA	
08:30 – 09:00	PROCURING URBAN RAIL TRANSIT INFRASTRUCTURE BY INTEGRATING LAND VALUE CAPTURE AND PUBLIC-PRIVATE PARTNERSHIPS: LEARNING FROM THE CITIES OF DELHI AND HONG KONG - X Li , Curtin University, Perth, Australia
09:00 – 09:30	WHERE TO START: A DEBATE ON PPPS IN SOUTH AFRICA' COMMUTER RAIL SERVICES - A discussion led by X Li , Curtin University, Perth Australia
09:30 – 10:00	SUBURBAN RAIL DECENTRALISATION: ISSUES AND OPTIONS - E Beukes , World Bank
10:00 – 10:30	DISCUSSION ON THE SUBURBAN RAIL DECENTRALISATION: DISCUSSION LEADER - A discussion led by E Beukes , World Bank
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	CONSIDERATIONS FOR PPP PROJECTS IN SUB-SAHARA AFRICA, M Salawou , African Development Bank
11:30 – 12:00	LIFECYCLE PLANNING IN PPP PROJECTS – F Kanonda , African Development Bank
12:00 – 12:30	JUST TRANSITION AND CLIMATE CHANGE - B Msimang , Development Bank of Southern African
12:30 – 13:00	INTERACTIVE AUDIENCE DISCUSSION ON YOUTH CAPACITY DEVELOPMENT IN RAIL COMPONENT PROJECT, WITHIN AND BEYOND SADC - Discussion leader to be confirmed
13:00 – 14:00	LUNCH
14:00 – 14:30	DEBATE ON REGIONAL CONNECTIVITY THROUGH PUBLIC PRIVATE PARTNERSHIPS - Led by L Dimitrov , Development Bank of Southern Africa
14:30 – 15:00	THE BUSINESS CASE FOR PPP'S IN NIGERIA: DEVELOPING A BUSINESS CASE FOR ROAD PROJECTS; FINANCIAL MODELLING AND ASSET MANAGEMENT PRACTICES - E Agbasi , Head, PPP, Multilateral and Special Duties at FERMA
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	CONTRACTING COMMUTER RAIL SERVICES - A Rutter , Texas A&M Transportation Institute, USA
16:00 – 16:30	DISCUSSION ON CONTRACTING COMMUTER RAIL SERVICES -A discussion led by A Rutter , Texas A&M Transportation Institute
16:30 – 17:00	SUMMARY AND CLOSE DISCUSSION - Led by L Dimitrov , Development Bank of Southern Africa
17:10	BUS DEPARTS FOR APPOINTED HOTELS

THURSDAY, 7 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
SESSION 4D – DECADE OF ACTION FOR ROAD SAFETY 2021 – 2030 WORKSHOP (Role of Academia, Research Organizations, NGO's and Private Sector)	
SESSION CHAIR: Prof Marianne Vanderschuren, University of Cape Town/ SAICE	
08:30 – 09:00	OPENING ADDRESS – MINISTER OF TRANSPORT, Mr F Mbalula
09:00 – 09:15	PURPOSE AND OBJECTIVES OF WORKSHOP – M Vanderschuren , University of Cape Town and President SAICE
09:15 – 09:30	BUILDING ON THE SAFE SYSTEMS APPROACH – J Rammutla , WSP Africa
09:30 – 09:50	MULTIMODAL TRANSPORT AND LAND-USE PLANNING (FOCUS AREA 1) - J Coetzee ITS Global
09:50 – 10:10	SAFE ROAD INFRASTRUCTURE (FOCUS AREA 2) - M Vanderschuren , University of Cape Town and President SAICE
10:10 – 10:30	VEHICLE SAFETY (FOCUS AREA 3) - L Beard – Automobile Association of South Africa
10:30 – 11:00	REFRESHMENTS
11:00 – 11:20	SAFE ROAD USE (FOCUS AREA 4) - A Sukhai – University of South Africa (UNISA)
11:20 – 11:40	POST-CRASH RESPONSE (FOCUS AREA 5) – P van der Spuy , ER24
11:40 – 13:00	GOOD PRACTICE CASE STUDIES - P Nordengen , Road Transport Management System (RTMS), E Herbert , Road Safety Partnership South Africa (RSPSA), B Jonsson , South African Road Federation (SARF), C Smit , South Africans Against Drunk Driving (SADD) and P Muchaka , Child Safe NGO
13:00 – 14:00	LUNCH
14:00 – 15:00	PANEL DISCUSSION: THE ROLE OF ACADEMIA, RESEARCH ORGANISATIONS, NGOs AND THE PRIVATE SECTOR TO SUPPLEMENT THE SECOND DECADE OF ACTION FOR ROAD SAFETY - All Presenters
15:00 – 15:30	REFRESHMENTS
15:30 – 16:30	DISCUSSION ALL DELEGATES
16:30 – 17:00	SUMMARY AND CLOSURE
17:10	BUS DEPARTS FOR APPOINTED HOTELS

THURSDAY, 7 JULY

07:30 - 08:30	REGISTRATION AND REFRESHMENTS
08:10	Briefing for presenters and chairs in the respective venues
SESSION 4E – INTEGRATED PUBLIC TRANSPORT NETWORKS	
SESSION CHAIR: Mr Anele Siwa, Ekurhuleni	
08:30 – 09:00	ANALYSIS OF THE INFLUENCING FACTORS OF SHARED BIKE TRANSFER TO RAIL TRANSIT - C Wen , J Hu, R Tang and W Zhang, Nanjing Tech University, China
09:00 – 09:30	CYCLING TO PUBLIC TRANSPORT STATIONS: THE MOST SUSTAINABLE TRANSPORT MODE COMBINATION – P Onderwater and E da Silva, Hatch Africa
09:30 – 10:00	OPTIONS FOR MERGING A MUNICIPAL OWNED BUS SERVICE INTO THE BROADER PUBLIC TRANSPORT NETWORK: THE CASE OF TSHWANE – D Madumo and N Cheure , CSIR
10:00 – 10:30	DISCUSSION: ACHIEVING BETTER MODAL INTEGRATION
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	CRITICAL ISSUES WITH BUS OPERATING COMPANY AGREEMENTS FOR BRT OPERATIONS IN SOUTH AFRICA - D Skrbinek , Future Of Transport
11:30 – 12:00	KEY SUCCESS FACTORS FOR EFFECTIVE BRT IMPLEMENTATION IN AFRICAN CITIES– G Fortune , Gershwin Transportation Consultants (GTC)
12:00 – 12:30	BRT INTEGRATION ACROSS MUNICIPALITIES IN GAUTENG PROVINCE: EKURHULENI AND JOHANNESBURG – M Ndamase and G Akinnusi , Gauteng Department Of Roads And Transport
12:30 – 13:00	DISCUSSION: FURTHER LESSONS TO IMPROVE IMPLEMENTATION BRT PROJECT
13:00 – 14:00	LUNCH
14:00 – 14:30	UNPACKING OF THE NEW NATIONAL GUIDELINE ON IPTN AS A SUITE OF SERVICE OFFERINGS – I Seedat , National Department of Transport
14:30 – 15:00	DISCUSSION: NEW DOT GUIDELINE
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	USING SYSTEMS DYNAMICS MODELLING TO FACILITATE IMPROVED PLANNING AND IMPLEMENTATION OF INTEGRATED PUBLIC TRANSPORT NETWORKS AS EFFECTIVE SPATIAL TRANSFORMATION INSTRUMENTS IN SOUTH AFRICAN CITIES – M Rathogwa and M Mokonyama, CSIR
16:00 – 16:30	ROBUST TRANSPORT PLANNING: CONCEPTUALISING THE CITP AND IPTN PLAN UNDER DEEP UNCERTAINTY - S Cooke , University of Cape Town and M Swart , K Naidoo and C Holderness, City of Cape Town
16:30 – 17:00	FRANK VIEWS FROM AN OPERATOR ON THE SUSTAINABILITY OF BRT SERVICES IN SOUTH AFRICAN CITIES - M Noge , Piotrans
17:10	BUS DEPARTS FOR APPOINTED HOTELS

FRIDAY, 8 JULY

07:45 - 08:00	REGISTRATION IN THE FOYER OF THE CITY LODGE LYNNWOOD
SESSION 5A – 3rd REGIONAL SEMINAR ON WEIGH-IN-MOTION TECHNICAL TOUR	
SESSION CHAIR: Mr Layton Leseane, SANRAL	
08:00 – 16:00	BUS DEPARTS FROM THE CITY LODGE LYNNWOOD TO MANTSOLE TRAFFIC CONTROL CENTRE Refreshments and lunch will be served

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

We look forward to welcoming you at SATC 2022