



Southern African Transport Conference

*Incorporating the
4th International
Conference on
Transport Infrastructure*

**Towards a desired transport future:
safe, sufficient and affordable**

9 – 12 July 2018

The 37th annual

SOUTHERN AFRICAN TRANSPORT CONFERENCE and EXHIBITION and the 4th INTERNATIONAL CONFERENCE ON TRANSPORT INFRASTRUCTURE

THEME

**TOWARDS A DESIRED TRANSPORT FUTURE: SAFE, SUFFICIENT AND
AFFORDABLE**

PATRON

THE MINISTER OF TRANSPORT

**CSIR International Convention Centre (CSIR ICC)
Pretoria, South Africa**

9 to 12 July 2018

**“Early Bird” registration from 2 May - 10 June 2018
(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

Behrens, A/Prof Roger	University of Cape Town
Gräbe, Prof Hannes	University of Pretoria
Jennings, Ms Gail	Independent Transportation Researcher
Kistan, Mr Kenny (Chair of the ATC Board)	CSIR Built Environment
Maina, Prof James (Chairman)	University of Pretoria
Manana, Ms Khibi	Department of Transport
Mashiri, Mr Mac	Gwarajena TRD
Mokonyama, Dr Mathetha	CSIR Built Environment
Naidoo, Dr Kavendra	CSIR Aeronautics Systems
Nordengen, Dr Paul	CSIR Built Environment
Oosthuizen, Ms Jacqui	Secretariat
Pretorius, Dr Pieter	Innovative Transport Solutions
Ribbens, Dr Hubrecht	Consultant
Ssamula, Dr Bridget	AECOM
Steyn, Prof Wynand	University of Pretoria
Verhaeghe, Mr Benoit	CSIR Built Environment
Visser, Prof Alex	University of Pretoria
Wang, Mr Yuchen	SACTCC

TECHNICAL COMMITTEE

Mohan, Prof Dinesh	Shiv Nadar University, India
Prozzi, Prof Jorge	The University of Texas, USA
Wegman, Prof Fred	Delft University of Technology, The Netherlands
Sweatman, Dr Peter	CAVita LLC, USA

INVITATION

Everyone in any way connected with transport is invited to register for the 37th Southern African Transport Conference (SATC 2018). 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-2D, 3A-3D, 4A-4B) 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.

DATE	SESSION NO	EVENT
Monday, 9 July		Opening Session
	1A	4th International Conference on Transport Infrastructure (ICTI)
	1B	Treasury Workshop - Public Transport and Spatial Transformation
	1C	Rural Development/ Capacity Building
	1D	Freight and Logistics
Tuesday, 10 July	2A	4th International Conference on Transport Infrastructure (ICTI)
	2B	Urban Transport
	2C	Rail

	2D	<i>Traffic Management, Safety and Security in combination with the Road Safety Audit Workshop</i>
Wednesday, 11 July	3A	<i>Public Transport and Paratransit</i>
	3B	<i>Traffic Engineering</i>
	3C	<i>5th China-Africa Co-operation Forum</i>
	3D	<i>Aviation</i>
Thursday, 12 July	4A	<i>Integrated Public Transport Networks: Mapping, Data and ICT</i>
	4B	<i>'International Society for Weigh-in-Motion' Workshop</i>

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, 9 July 2018**. 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**”
- ICTI Award for the “**Best 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.

ICTI SOCIAL FUNCTIONS

Delegates registered for the Monday ICTI session (1A) and the Tuesday ICTI session (2A), may attend the following functions:

Sunday evening, 8 July: Welcome cocktail function at the City Lodge Lynnwood – 17h00 (An amount of R150 will be added to your invoice when registering online. Please ensure that you select the function when registering)

Tuesday evening, 10 July: Farewell Barbecue (Entertainment: Zasha Afrika Marimba Band) at the CSIR ICC – 17h30 (An amount of R300 will be added to your invoice when registering online. Please ensure that you select the function when registering)

ICTI 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)

EXHIBITION

An exhibition – a showcase for all related industries – will run concurrently with the conference from Monday, 9 to Thursday, 12 July 2018. 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 SATC and ICTI delegates

TOWN LODGE MENLO PARK Atterbury Rd, Menlo Park, Pretoria Tel: 012 348-2711 (Ask for reservations) E-mail: tmenlo.resv@citylodge.co.za	CITY LODGE LYNNWOOD Cnr Lynnwood & Daventry Rds, Lynnwood, Pretoria Tel: 012 471-0300 (Ask for reservations) E-mail: cllynnwood.resv@citylodge.co.za
R955 single R1 059 double (p/room)	R1 342 single R1 618 double (p/room)
Full English Breakfast R160p.p	Full English Breakfast R155p.p
Quote <u>SOUTHERN AFRICAN TRANSPORT CONFERENCE (or Guest File no 1030685)</u> in order to qualify for the discounted rate	Quote <u>SOUTHERN AFRICAN TRANSPORT CONFERENCE (or Guest File no 1030685)</u> in order to qualify for the discounted rate <u>ICTI DELEGATES, PLEASE QUOTE ICTI</u> for 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 2018;
- Memory Stick containing the full papers presented at SATC 2018;
- 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 "TOWARDS A DESIRED TRANSPORT FUTURE: SAFE, SUFFICIENT AND AFFORDABLE". 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 14 May 2018.

The two top authors from each institution and their lecturer will be supported to attend SATC 2018. For winners from outside Gauteng, transport (economy class airfare/ bus), accommodation in Pretoria, meals and registration will be provided.

REGISTRATION AND PAYMENT

REGISTRATION – OPENING 2 MAY 2018

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-2D, 3A-3D and 4A-4B) 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. ICTI Delegates must please ensure that the correct sessions (1A and 2B) and functions are selected. Registrations are done via the SATC website: www.satc.org.za

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)

▪ 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**

We do not accept credit card payment.

The late registration fee will apply for all payments received after 10 June 2018.

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	R 880	R 980
Presenter (on day of presentation)	R1 310	R1 910
Young Professional (under35)	R1 930	R2 130
Delegate	R2 350	R2 950

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, 9 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, 6 July 2018 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 6 July 2018.

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 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

TO BE CONFIRMED

PLENARY SPEAKERS

MONDAY

Mr Skhumbuzo Macozoma
CEO, SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LIMITED (SANRAL)



Armed with a Master of Science (MSc) and a Bachelor of Science (BSc) degree in civil engineering from the University of Witwatersrand, **Skhumbuzo Macozoma** is an experienced professional engineer with 24 years under his belt.

He started his career as a trainee researcher at the Council for Scientific and Industrial Research (CSIR) in 1993 while studying towards his undergraduate degree. After completing his bachelor's degree in 1997, the CSIR appointed him to be a research engineer where he was responsible for design and research into innovative sanitation technologies, water supply, housing and sustainable construction.

He left the CSIR in 2002 and was appointed Director: Transport Infrastructure Management at the Department of Transport where he was responsible for infrastructure network development, overload control and infrastructure standards. He was promoted to Chief Director: Integrated Infrastructure Network Development in 2005 where he was responsible for road, rail and aviation infrastructure.

In this capacity he played a key role in the development of the Road Infrastructure Strategic Framework for South Africa; he also formed part of the team that developed and rolled out the National Freight Logistics Strategy and in resuscitating railway lines in some of the country's remote areas to drive local economies. He also oversaw the performance of SANRAL and Airports Company of South Africa (ACSA), overlooking the upgrades and expansion of some of the country's infrastructure for the 2010 FIFA World Cup.

In 2007 he was appointed by the 2010 FIFA World Cup Organising Committee to be its Transport Manager, where he was responsible for coordinating transport infrastructure delivery and providing public transport services ahead of the World

Cup. A year later assumed a more senior role as a Chief Officer responsible for transport, logistics, accommodation and hospitality.

He left the public sector in 2010 and in 2011 joined Sizwe Africa IT Group as Executive: Strategic Business where he was responsible for driving the Group's strategy, market analysis, programme management and business development.

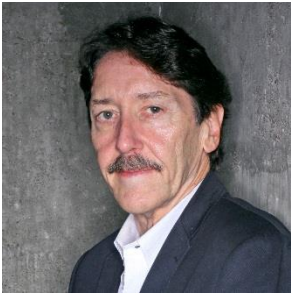
As part of efforts in turning around the Johannesburg Roads Agency, he was appointed as Managing Director between 2012 and 2015. He was successful in turning around the financial position and delivery of the entity within 18 months during his tenure.

In March 2016 he was appointed Chief Executive Officer of Electronic Toll Concession Limited (ETC), a company responsible for collecting electronic toll payments (etolls) in Gauteng, He then assumed the position of Chief Executive Officer of the South African National Roads Agency SOC Limited (SANRAL) in December 2016.

Macozoma has previously served on the SANRAL Board of Directors and the Board of Directors of ACSA.

TUESDAY

Prof Robert Cervero
UNIVERSITY OF CALIFORNIA, BERKELEY, USA



Prof Robert Cervero is Professor Emeritus of City and Regional Planning at the University of California, Berkeley, where he chaired the department and directed the Institute of Urban and Regional Development and the University of California Transportation Center. His research focuses on sustainable transportation policy and the nexus between urban transportation and land-use systems. He has written numerous books and articles in these areas, including the recently released *Beyond Mobility* (2017), and was a contributing author to IPCC's Fifth Assessment on climate change and UN-Habitat's 2013 Global Report on Sustainable Mobility. Over his career he has been an academic Fellow or Visiting Professor at universities in Singapore, Brazil, Indonesia, China, Australia, UK, South Korea, UAE, and Saudi Arabia. In 2013, UMB's Future Cities ranked him among the top 100 City Innovators Worldwide. Currently, he is co-editor of *Access* magazine, a consultant with the World Bank, and a visiting professor at NYU-Abu Dhabi.

WEDNESDAY

TO BE CONFIRMED

SESSIONS

MONDAY, 10 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in their respective venues
OPENING SESSION	
08:30 – 08:50	PERFORMANCE BY URBAN MELODY, INCLUDING THE NATIONAL ANTHEM OF SA
08:50 – 08:55	INTRODUCTION – Prof James Maina, Conference Chairman
08:55 – 09:05	WELCOME – Mr Kenny Kistan, Chairman, ATC Board
09:05 – 10:00	PLENARY ADDRESS – Mr Skhumbuzo Macozoma, SANRAL CEO
10:00 – 10:30	OPENING ADDRESS – TBA
10:30 – 11:00	REFRESHMENTS

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

MONDAY, 09 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 10:30	OPENING SESSION
10:30 - 11:00	REFRESHMENTS
SESSION 1A – 4th INTERNATIONAL CONFERENCE ON TRANSPORT INFRASTRUCTURE	
CHAIR: TBA	
11:00 – 11:30	THE THIRD REPORT CARD: TRANSPORT FIXED INFRASTRUCTURE RESULTS, AND CONCLUSIONS – K Wall , University of Pretoria and C Rust, CSIR Built Environment
11:30 – 12:00	SCIENTIFIC APPROACHES TO LINK THE TARGETS IDENTIFIED IN NATMAP AND NLTSF TO MEASURABLE AND COMPARABLE ANNUAL TARGETS APPLICABLE TO THE LOCAL MUNICIPALITY SPHERE OF GOVERNMENT – I Schoeman , North West University
12:00 – 12:30	AN ECONOMICS-BASED ROAD CLASSIFICATION SYSTEM FOR SOUTH AFRICA – D Ross and M Townshend , University of Cape Town
12:30 – 13:00	PROPOSED METHOD TO CALCULATE ASSET VALUES FOR ROAD STRUCTURES – M Roux , I Sallie, M Kemp and V De Franca, CSIR Built Environment
13:00 – 14:00	LUNCH
14:00 – 14:20	INVESTIGATION OF FLOOD EFFECTS ON ROAD PERFORMANCE: A CASE OF ARUSHA, TANZANIA - O Tendwa , S Krygsman, University of Stellenbosch and P Valimba, University of Dar es Salaam
14:20 – 14:40	BHUTANESE ROAD AND BRIDGE RESILIENCE TO FLOODS AND LANDSLIDES – FIRST SUGGESTIONS FOR ASSESSMENT AND RESPONSE – AR Dawson, LAC Neves, University of Nottingham, R Sarkar, University of Bhutan and T Dijkstra, Loughborough University
14:40 – 15:00	CONSEQUENCES OF DELAYED MAINTENANCE OF PAVEMENT NETWORKS – C Chang , University of Texas, E Rodriguez, University of Piura, M Yapp and L Pierce, NCE
15:00 – 15:30	REFRESHMENTS
15:30 – 15:50	CLOGGING CHARACTERISTICS OF POROUS ASPHALT MIXTURES - L Chu And TF Fwa, Chang'an University
15:50 – 16:10	POROSITY AND PERMEABILITY EVALUATION OF PERVIOUS CONCRETE USING THREE-DIMENSIONAL X-RAY COMPUTED TOMOGRAPHY - A Jagadeesh and G Ong, National University of Singapore and Y Su, National Kaohsiung University of Applied Sciences
16:10 – 16:30	DEVELOPMENT OF WARM IN-PLACE RECYCLING TECHNIQUE AS AN ECO-FRIENDLY ASPHALT REHABILITATION METHOD - A Bozorgzad and H Lee, University of Iowa, S Kwon and K Jeong, Korea Institute of Civil Engineering and Building Technology and N Cho, Korea University of Technology and Education
16:30 – 16:50	GREY TARGET OPTIMIZATION AND MECHANISM OF COLD RECYCLED ASPHALT MIXTURE WITH COMPREHENSIVE PERFORMANCE - L Zhenghua , S Aiqin, Q Xiao and L Senlin, Chang'an University
17:00 – 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

MONDAY, 09 JULY

07:30 - 08:30	REGISTRATION
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 AND SPATIAL TRANSFORMATION	
CHAIR: Dr Mathetha Mokonyama, CSIR and Michael Kihato, National Treasury	
11:00 – 11:30	PRESENTATION OF LAST YEAR SESSION REPORT AND FORMAT OF 2018 SESSION
11:30 – 12:00	IUDF AND LAND REFORM: DEPARTMENT OF COOPERATIVE GOVERNANCE AND TRADITIONAL AFFAIRS
12:00 – 12:30	NATIONAL TREASURY INSTRUMENTS IN THE CONTEXT OF LAND REFORM - NATIONAL TREASURY
12:30 – 13:00	FACILITATED DISCUSSION: PLANNING FOR LAND REFORM
13:00 – 14:00	LUNCH
14:00 – 14:30	LAND EXPROPRIATION WITH COMPENSATION – HOW IT CAN BE MADE TO WORK BETTER FOR PUBLIC TRANSPORT PLANNING AND DEVELOPMENT - ACADEMIC
14:30 – 15:00	FACILITATED DISCUSSION: PRACTICAL IMPLICATIONS OF EXPROPRIATION WITHOUT COMPENSATION FOR PUBLIC TRANSPORT
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	LESSONS FROM PRACTICAL EXPERIENCES WITH LAND EXPROPRIATION FOR PUBLIC TRANSPORT: CITY PERSPECTIVES - CITY
16:00 – 16:30	LESSONS FROM PRACTICAL EXPERIENCES WITH LAND EXPROPRIATION FOR PUBLIC TRANSPORT: CITY PERSPECTIVES - DEVELOPER
16:30 – 17:00	FACILITATED DISCUSSION: PRACTICAL EXPERIENCES WITH PROJECT LEVEL LAND EXPROPRIATIONS
17:00 – 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

MONDAY, 09 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 10:30	OPENING SESSION
10:30 - 11:00	REFRESHMENTS
SESSION 1C – RURAL	
	CHAIR: TBA
11:00 – 11:15	<i>PROGRAM TO BE ADVISED</i>
11:15 – 12:15	
12:15 – 13:00	
13:00 – 14:00	LUNCH
14:00 – 14:30	
14:30 – 15:00	
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	
16:00 – 16:30	
17:00 - 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

MONDAY, 09 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 10:30	OPENING SESSION
10:30 - 11:00	REFRESHMENTS
SESSION 1D – FREIGHT AND LOGISTICS	
CHAIR: TBA	
11:00 - 11:30	<i>PROGRAM TO BE ADVISED</i>
11:30 - 12:00	
12:00 - 12:30	
12:30 - 13:00	
13:00 - 14:00	LUNCH
14:00 - 14:30	
14:30 - 15:00	
15:00 - 15:30	REFRESHMENTS
15:30 - 16:00	
16:00 - 16:30	
16:30 - 17:00	
17:00 - 18:30	COCKTAIL PARTY
18:30	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 10 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS: Prof Robert Cervero; UNIVERSITY OF CALIFORNIA, BERKELEY, USA
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 2A – 4th INTERNATIONAL CONFERENCE ON TRANSPORT INFRASTRUCTURE	
CHAIR: TBA	
09:30 – 09:50	RESEARCH ON BOND EFFECT OF HIGH-PERFORMANCE EMULSIFIED ASPHALT FOR TACK COAT – P Sun, S Han and W Li, Chang’an University
09:50 – 10:10	COATING MATERIALS FOR TIMELY MAINTENANCE OF ASPHALT PAVEMENT POTHOLES IN THE WINTER-RAINY CONDITION - M Liu , S Han, Chang’an University and X Qi, China Development Bank
10:10 – 10:30	LABORATORY EVALUATION OF ROAD CONSTRUCTION MATERIALS ENHANCED WITH NANO-MODIFIED EMULSIONS (NMEs) - I Akhalwaya and F Rust, CSIR Built Environment
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	DEVELOPMENT OF A NEW LABORATORY ACCELERATED MACHINE-MULTIVARIABLE ACCELERATED ABRASION MACHINE - W Ren , S Han, J Zhang and Y Ma, Chang’an University
11:30 – 12:00	AN INVESTIGATION OF AGGREGATE DEGRADATION IN A HIGH STRESS FIELD - M Mgangira, CSIR Built environment, S Xungu and J Giani, CSIR Materials Science and Manufacturing
12:00 – 12:30	THE EFFECTS OF ANGULARITY OF COARSE AGGREGATES ON ASPHALT MIXTURES HIGH-TEMPERATURE PERFORMANCE AND COMPACTION PERFORMANCE - J Gao, H Wang, Chang’an University, Z You, Michigan Technological University and Y Bu, Chang’an University
12:30 – 13:00	EVALUATION OF STIFFNESS OF CEMENT STABILIZED GRANULAR LATERITIC SOILS USING ULTRASONIC PULSE VELOCITY (UPV) TEST - DR Biswal, UC Sahoo, and SR Dash, School of Infrastructure, IIT Bhubaneswar
13:00 – 14:00	LUNCH
14:00 – 14:30	IMPORTANCE OF THE ZERO POINT IN DCP TESTING OF FLEXIBLE PAVEMENTS - F Netterberg , Pavement Materials & Geotechnical Specialist
14:30 – 15:00	FINITE ELEMENT ANALYSIS OF ASPHALT PAVEMENT DISTRESSES EFFECTS ON FWD DYNAMIC DEFLECTION BASIN - Q You and J Ma, Chang’an University
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	POSTER SESSION PRESENTATIONS
	RESEARCH ON UNEVEN SETTLEMENT OF SUBGRADE WITH MICRO-PILES - X Gao , W Tian, Chang’an University and Z Zhang, Xian University of Science and Technology
	THE CONCEPTION DESIGN OF NEW SOLAR ASPHALT PAVEMENT WITH WIRELESS CHARGING FUNCTION - B Zhou and J Pei, Chang’an University
	THE COARSE AGGREGATE SKELETON CHARACTERISTICS OF FINE-GRAINED ULTRA-THIN ASPHALT MIXTURE - W Li, S Han, L Chu and P Sun, Chang’an University
	INFLUENCE OF DURING TEMPERATURE AND DEGREE OF COMPACTION ON THE MECHANICAL PROPERTIES OF CEMENT-STABILIZED MACADAM MIXTURE – W Jiao , Chang’an University, A Sha and ZZ Liu, Chang’an University/ Ministry of Education Xi’an
	THE APPLICATION OF SEMI-CONTINUOUS POST-TENSION PRESTRESSING BOX GIRDER BRIDGES IN AFRICA – M Heng , Chang’an University and First Highway Consultant Company

	EFFECT OF MOISTURE CONTENT AND ROCK CONTENT ON THE RESILIENT MODULUS OF WEATHERED PHYLLITE FILLERS – F Liu , X Mao, Q Wu and Y Zhao, Chang’an University and W Liu, Zhengzhou Communications Planning Survey & Design Institute
	THE STUDY ON THE THRESHOLD OF COVER DEPTH OF LARGE SECTION LOESS TUNNEL - Z HU YL XIE and JX Lai, Chang’an University
	ROAD INFRASTRUCTURE’S ROLE IN GROWING THE SOUTH AFRICAN ECONOMY - D Ross and M Townshend , University of Cape Town
16:00 – 17:00	POSTER SESSIONS
17:30	FAREWELL FUNCTION

TUESDAY, 10 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS: Prof Robert Cervero; UNIVERSITY OF CALIFORNIA, BERKELEY, USA
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 2B – URBAN TRANSPORT	
CHAIR: A/Prof Roger Behrens, University of Cape Town	
09:30 – 10:00	CAN INDIVIDUAL 'COACHING' SHIFT MODE CHOICES AND TRAVEL BEHAVIOUR? LESSONS FROM AN EMPLOYEE PROGRAMME FOR WWF SOUTH AFRICA – G Jennings, I Modau and L De Vries
10:00 – 10:30	IMPROVING THE PROVISION OF TRANSPORT FOR DISABLED YOUTH – C Rivasplata , San Jose State University and M Le Roux, Artscape Theatre Centre
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	THE RELATIONSHIP BETWEEN TRANSIT-ORIENTED DEVELOPMENT, ACCESSIBILITY AND PUBLIC TRANSPORT VIABILITY IN SOUTH AFRICAN CITIES: A LITERATURE REVIEW AND PROBLEM FRAMING – S Cooke , R Behrens and M Zuidgeest, University of Cape Town
11:30 – 12:00	DECADES OF LEARNING FROM TRENDS IN LAND USE AND TRAVEL: TRAVEL AND TRANSPORT DEMAND ESTIMATION IN THE CITY OF TSHWANE – B Venter , 4in1 Simulations, N VanZyl, Royal HaskoningDHV and N Shivambu, City of Tshwane
12:00 – 12:30	INTEGRATING LAND-COVER DATA WITH DATA ON POPULATION AND HOUSEHOLD CHARACTERISTICS TO ASSESS DENSIFICATION ALONG THE BRT LINE IN THE CITY OF TSHWANE – N Dudeni-Tihone, E Petzer, A Gxumisa, J Holloway and S Khuluse-Makhanya, CSIR
12:30 – 13:00	COMPARISON OF NEW PEAK HOUR TRIP GENERATION RATES WITH EXISTING RATES IN THE SOUTH AFRICAN TRIP DATA MANUAL – L Mogakabe, City of Tshwane, J Anochie-Boateng, CSIR and G Ochieng, Vaal University of Technology
13:00 – 14:00	LUNCH
14:00 – 14:30	THE SPATIAL TREND ASSOCIATIONS BETWEEN SOCIO-ECONOMIC FACTORS AND HOUSEHOLDS' TRAVEL PATTERN IN GAUTENG – R Luke and N Pisa, University of Johannesburg
14:30 – 15:00	PROGRESSIVE OR REGRESSIVE: EFFICACY OF INNOVATIVE URBAN PUBLIC TRANSPORT SYSTEMS ON URBAN MOBILITY IN THE CITY OF TSHWANE – B Ndwandwe and T Gumbo
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	THE EFFECT OF SMOG POLLUTION ON TRANSPORT MODE CHOICE: A CASE STUDY OF XI'AN, CHINA – D Zhao and H Chen, Chang'an University, China
16:00 – 16:30	EQUITY IN TRANSPORT PLANNING: ARE WE ASKING THE RIGHT QUESTIONS? – M Thanjekwayo , Western Cape Department of Transport and Public Works
16:30 – 17:00	UBERPRENEURSHIP: TO BRAND OR NOT BRAND, THAT IS THE QUESTION? – C Diniso and C Schachtebeck , University of Johannesburg
17:10	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 10 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS: Prof Robert Cervero; UNIVERSITY OF CALIFORNIA, BERKELEY, USA
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 2C – RAIL	
CHAIR: TBA	
09:30 – 10:00	MEASURING RAIL COMMUTERS' PERCEPTIONS OF SERVICE QUALITY IN SOUTH AFRICA: RESULTS FROM A LONGITUDINAL STUDY - GJ Heyns and R Luke, university of Johannesburg
10:00 – 10:30	A CASE STUDY ON PLATFORM-TRAIN INTERFACE (PTI) OCCURRENCES AT A METRORAIL PASSENGER STATION - RL Myoya , PJ Gräbe and CJ Venter, University of Pretoria
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	A REVIEW ON THE CURRENT CONDITION OF RAIL INFRASTRUCTURE IN SOUTH AFRICA - TB George, R Mokoena and C Rust, CSIR Built Environment
11:30 – 12:00	THE INFLUENCE OF BALLAST FOULING ON TRACK SETTLEMENT - A Rampersad , TB George, R Mokoena, M Mgangira, CSIR Built Environment and PJ Gräbe, University of Pretoria
12:00 – 12:30	DEVELOPMENT AND CALIBRATION OF A WIRELESS, INERTIAL MEASUREMENT UNIT (KLI-PI) FOR RAILWAY AND TRANSPORTATION APPLICATIONS - A Broekman and PJ Gräbe, University of Pretoria
12:30 – 13:00	INVITED PRESENTATION (TRACK INFRASTRUCTURE)
13:00 – 14:00	LUNCH
14:00 – 14:30	GAUTRAIN PRESENTATION 1 – TO BE CONFIRMED
14:30 – 15:00	GAUTRAIN PRESENTATION 2 – TO BE CONFIRMED
15:00 – 15:30	REFRESHMENTS
15:30 – 17:00	PANEL DISCUSSION
17:10	BUS DEPARTS FOR APPOINTED HOTELS

TUESDAY, 10 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS: Prof Robert Cervero; UNIVERSITY OF CALIFORNIA, BERKELEY, USA
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 2D – TRAFFIC MANAGEMENT, SAFETY AND SECURITY IN COMBINATION WITH THE ROAD SAFETY AUDIT WORKSHOP	
CHAIR: Prof Marianne Vanderschuren, University of Cape Town	
09:30 – 10:00	GIS BASED IDENTIFICATION OF HAZARDOUS LOCATIONS IN THE WESTERN CAPE - M Vanderschuren , A Janmohammed, S Phayane, University of Cape Town and M Arendse, Western Cape Government, Transport and Public Works
10:00 – 10:30	EVALUATION OF THE SAFETY BENEFITS OF THE EXCLUSIVE AND CONCURRENT GREEN MAN PHASINGS FOR PEDESTRIANS IN CAPE TOWN - M Sinclair and G Dennyssen, University of Stellenbosch
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	REVISED WHITE PAPER ON NATIONAL TRANSPORT – M Kgamanyane , Dept of Transport
11:30 – 12:00	HORIZONTAL ROAD MARKINGS AND AUTONOMOUS DRIVING – BACK FROM THE FUTURE - H Mosbock and TE Burghardt, SWARCO
12:00 – 12:30	ANALYSING ROAD INJURY SEVERITY AMONG CHILDREN AGED 0 TO 15 IN THE CASE OF GAUTENG: A FIVE YEAR ANALYSIS (2011 – 2015) – A Janmohammed , Childsafe South Africa, M Vanderschuren, University of Cape Town and S van As, University of Cape Town/ Red Cross Hospital
12:30 – 13:00	DISCUSSION
13:00 – 14:00	LUNCH
14:00 – 15:00	RTMC/ SARF/ SANRAL ROAD SAFETY AUDITS IN SOUTH AFRICA WORKSHOP <ol style="list-style-type: none"> 1. Opening, Welcome & Purpose of the Session - R Mongale, RTMC 2. Road Safety Tools for Road Authorities - R Cable, SANRAL 3. Current Status of Road Safety Audits at SANRAL - R Cable, SANRAL 4. Road Safety Audit Training - B Jonsson, SARF 5. Practical Traffic and Road Safety Engineering - L Roodt
15:00 – 15:30	REFRESHMENTS
15:30 – 17:00	RTMC/ SARF/ SANRAL ROAD SAFETY AUDITS IN SOUTH AFRICA WORKSHOP CONTINUED <ol style="list-style-type: none"> 6. Formalization of Road Safety Audit Processes in South Africa - D Roux, RTMC 7. Road Safety Auditor Registration with ECSA - D Roux, RTMC 8. Review of the SARSAM-2012 - K Labuschagne, Gauteng Province 9. Conclusions and Resolutions - R Cable, SANRAL
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 11 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS: TBA
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3A – PUBLIC TRANSPORT AND PARATRANSIT	
CHAIR: TBA	
09:30 – 10:00	EXPLORING THE DESIGN AND MANAGEMENT OF LEARNER TRANSPORT SERVICES - G Hitge
10:00 – 10:30	EVALUATION OF THE NATIONAL ROAD NETWORK FUNDING IN NAMIBIA – H Petrus and S.Krygsman, University of Stellenbosch
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	ACTIVITY PARTICIPATION AND PERCEPTIONS ON INFORMAL PUBLIC TRANSPORT AND BUS RAPID TRANSIT IN DAR ES SALAAM CITY - L Joseph and A Neven , Transportation Research Institute (IMOB) Hasselt University, K Martens, Israel Institute of Technology & Radboud University, O Kweka, University of Dar es Salaam, G Wets and D Janssens, Transportation Research Institute (IMOB) Hasselt University
11:30 – 12:00	UNDERSTANDING THE OPERATIONAL CHARACTERISTICS OF PARATRANSIT SERVICES IN ACCRA, GHANA: A CASE STUDY - S Saddier, Transitec Consulting Engineers and A Johnson, Department of Transport, Accra, Ghana
12:00 – 12:30	PASSENGER SATISFACTION WITH MINIBUS-TAXI FEEDER SERVICES AT THE MITCHELLS PLAIN PUBLIC TRANSPORT INTERCHANGE IN CAPE TOWN - R Behrens , S Dodgen, T Fusire and T Mukhuba, University of Cape Town
12:30 – 13:00	TOOLS TO ASSIST IN DETERMINING BUSINESS VALUES OF INDIVIDUAL MINIBUS-TAXI OPERATIONS IN RUSTENBURG, NORTH-WEST, SOUTH AFRICA - J Coetzee, GoMetro, A Mulla and N Oosthuizen, MESH Integrated Solutions
13:00 – 14:00	LUNCH
14:00 – 15:00	PANEL DISCUSSION: RETHINKING THE APPROACH TO PUBLIC TRANSPORT REFORM – Keynote inputs plus three invited speakers
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	TOWARDS A STATED CHOICE METHODOLOGY TO DETERMINE MINIBUS-TAXI DRIVER WILLINGNESS TO PROVIDE OFF-PEAK FEEDER SERVICE - C Plano , R Behrens and M Zuidgeest, University of Cape Town
16:00 – 16:30	BEYOND BRT: INNOVATION IN MINIBUS-TAXI REFORM IN SOUTH AFRICAN CITIES - H Schalekamp , University of Cape Town and J Klopp, Columbia University
16:30 – 17:00	SUCCESS AND DELAY IN IPTN PROJECTS: CASE STUDY ANALYSIS OF THREE SOUTH AFRICAN CITIES - M Manuel and R Behrens, University of Cape Town
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 11 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in the respective venues
08:30 - 09:25	PLENARY ADDRESS: TBA
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3B – TRAFFIC ENGINEERING	
CHAIR: Dr Herman Joubert, Tech-IQ Consulting Engineers	
09:30 – 10:00	TRAFFIC IMPACT OF PEDESTRIANISATION IN STELLENBOSCH - WS Mohr and SJ Andersen, University of Stellenbosch
10:00 – 10:30	TRAFFIC IMPACT OF THE ITS TIME EVENT - JM Schmidt , SJ Andersen and M Bruwer, University of Stellenbosch
10:30 – 11:00	REFRESHMENTS
	INTELLIGENT, SMART AND AUTONOMOUS TRANSPORT – NOW AND THE FUTURE IN SOUTH AFRICA
11:00 – 11:25	SMART ROADS AND AUTONOMOUS VEHICLES – SJ Andersen , Techso
11:25 – 11:50	INTELLIGENT PUBLIC TRANSPORT SYSTEMS – C Krogscheepers , Innovative Transport Solutions
11:50 – 12:15	SMART CITIES AND TRANSPORT – J Coetzee , Innovative Transport Solutions
12:15 – 13:00	PANEL DISCUSSION AND QUESTIONS
13:00 – 14:00	LUNCH
14:00 – 14:30	FACTORS THAT INFLUENCE THE GEOMETRIC DETECTION PATTERN OF VEHICLE-BASED LICENCE PLATE RECOGNITION CAMERA SYSTEMS - MC Rademeyer , MJ Booysen and A Barnard, University of Stellenbosch
14:30 – 15:00	DELINEATORS DISTANCE IN TUNNEL UNDER DIFFERENT TRAFFIC DENSITY – X Han , Chang'an University and Y Shao, Xi'an University of Architecture and Technology
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	INTELLIGENT TRANSPORTATION SYSTEM AS AN EFFECTIVE REMEDY TO IMPROVE THE PUBLIC ROAD TRANSPORTATION IN SOUTH AFRICA - OS Abejide, JA Adedeji and M Mostafa Hassan, Central University of Technology
16:00 – 16:30	USING INFORMATION COMMUNICATION TECHNOLOGY TO MITIGATE CONGESTION IN BLOEMFONTEIN, SOUTH AFRICA - XE Feikie , Durban University of Technology, DK Das and MMH Mostafa, Central University of Technology, Free State
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 11 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in the respective venues
08:30 – 09:25	PLENARY ADDRESS: TBA
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3C – 5TH CHINA AFRICA CO-OPERATION FORUM	
CHAIRS: TBA	
SOUTH AFRICA-CHINA DAY of THE SATC2018 (Proposal) 5th China-Africa Co-operation Forum, aligning with the 18th International Conference on SETMI (Science, Engineering & Technology and Management of Innovation) hosted by the local organizations with the University of Pretoria and Chinese Chang'an University	
09:30 – 10:00	Session Keynote Speaker: Honourable MP Mr Mengyong Weng , Chairman of the Beijing's World Transport Convention (WTC) 2018 and President of China Highway and Transport Society(CHTS)
10:00 – 10:30	Session Keynote Speaker: Prof Xu Chen , President of Chang'an University
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	Prof. Alex Visser: The Research with Dr. Lin Chen in July 2017 for big data on Smart Infrastructure
11:30 – 12:00	Prof Ruibo Ren, Dean of School of Transport, Shandong University of Civil Engineering: Development of Stabilized Rubber and Mixture
12:00 – 12:30	Prof. Gerrit Jordaan or Prof.Elsabe Kearsley/Sarah Skorpen: Materials' Researches
12:30 – 13:00	Prof. Hainian Wang, Deputy Dean of School of Highway, Chang'an University or Dr. Zaiwen Jiang, Director of International Co-operation Division, Chang'an University: Deep Co-operations between Chang'an University and the University of Pretoria
13:00 – 14:00	LUNCH
14:00 – 14:30	Prof. James Maina or Prof. Wynand Steyn
14:30 – 15:00	Dr. Jan Grunling and CR20 Representative with Yuchen Wang/Prof. Alex Visser: Co-Establishing China-Africa Transport and Tourism University in Mozambique
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	Associate Professor Litao Geng, Shandong University of Civil Engineering: Evaluation of Performance of Pavement Pothole Patching Materials Containing Cooking Wasted Oil
16:00 – 16:30	Prof. Kein Wall / or Prof. Chris Venter
16:30 – 17:00	Prof. Jiawu Li, Chair of Bridge Engineering Department, Chang'an University or Associate Prof. Haipeng Shao, Deputy Chair of Transport Engineering Department, Chang'an University
17:10	BUS DEPARTS FOR APPOINTED HOTELS

WEDNESDAY, 11 JULY

07:30 - 08:30	REGISTRATION
08:10	Briefing for presenters and chairs in the respective venues
08:30 – 09:25	PLENARY ADDRESS: TBA
09:25 – 09:30	Plenary breaks up into parallel sessions
SESSION 3D – AVIATION	
CHAIR: TBA	
09:30 – 10:00	FUTURE TRENDS AND DRIVERS IN CIVIL AVIATION - K Naidoo , CSIR
10:00 – 10:30	THE CIVIL AVIATION REGULATORY ENVIRONMENT – Civil Aviation Authority
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	A CONCEPT FOR A SOUTH AFRICAN REGIONAL AIRCRAFT – V Xaba , Denel
11:30 – 12:00	TO BE CONFIRMED
12:00 – 12:30	REFLECTIONS – Refilwe Ledwaba (MBA, MRAs, Executive Director at Women and Aviation; Rotor; Fixed wing pilot and Instructor)
12:30 – 13:00	A NEW CONCEPT FOR A VERTICAL TAKE OFF AND LANDING BUSINESS JET – R Mia , Pegasus Aerospace
13:00 – 14:00	LUNCH
14:00 – 14:30	REMOTELY PILOTED AIRCRAFT SYSTEMS – J Monk , CSIR
14:30 – 15:00	THE MH370 STORY AND IT'S IMPACT ON THE WORLD OF AVIATION – D Barker
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	THE COST OF KNOWLEDGE – B van Niekerk , Bronberg Engineering
16:00 – 16:30	TO BE CONFIRMED
16:30 – 17:00	TO BE CONFIRMED
17:10	BUS DEPARTS FOR APPOINTED HOTELS

THURSDAY, 12 JULY

08:00 - 08:30	REGISTRATION
08:10	Briefing for presenters and chair in the Diamond Auditorium
SESSION 4A – INTEGRATED PUBLIC TRANSPORT NETWORKS: MAPPING, DATA AND ICT	
CHAIR: Ms Gail Jennings, Independent Transportation Researcher and Dr Herrie Schalekamp, University of Cape Town	
08:30 – 09:30	TECHNOLOGY AND FORMALISATION IN THE MINIBUS-DOMINATED PUBLIC TRANSPORT SECTOR IN SOUTH AFRICA – H Schalekamp , University of Cape Town
09:30 – 10:30	PRESENTATIONS BY STUDENT ESSAY WINNERS
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	MEASURING INDIVIDUALS' TRAVEL BEHAVIOR BY USE OF A GPS-BASED SMARTPHONE APPLICATION IN DAR ES SALAAM CITY – L Joseph and A Neven, Transportation Research Institute (IMOB) Hasselt University, K Martens, Technion-Israel Institute of Technology & Radboud University, O Kweka, University of Dar es Salaam, G Wets and D Janssen, Transportation Research Institute (IMOB) Hasselt University
11:30 – 12:00	PUBLIC TRANSPORTATION, LAND USE AND ICT IMPACTS ON ACCESSIBILITY FOR SUSTAINABLE PUBLIC TRANSPORTATION SYSTEM IN BLOEMFONTEIN – N Bashingi, M Mostafa Hassan and D Das, Central University of Technology, Free State
12:00 – 12:30	USING DATA SMARTLY: SHOWCASING THE FUNCTIONALITY OF THE ETA'S SMART PORTAL TO UNDERTAKE PRACTICAL AND REALISTIC INVESTIGATIONS RELATING TO PUBLIC TRANSPORT – R Pillay, eThekweni Transport Authority
12:30 – 13:00	MAPPING MINIBUS-TAXI OPERATIONS AT A METROPOLITAN SCALE– METHODOLOGIES FOR UNPRECEDENTED DATA COLLECTION USING A SMARTPHONE APPLICATION AND DATA MANAGEMENT TECHNIQUES – J Coetzee, Go Metro, C Krogscheepes, Innovative Transport Solutions and J Spotten, City of Cape Town
13:00 – 14:00	LUNCH
14:00 – 15:00	PANEL DISCUSSION: DATA AND PLANNING NEEDS FOR INTEGRATED TRANSPORT NETWORKS – Keynote input plus 3 invited speakers
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	WOMEN AND RIDE-HAILING IN SOUTH AFRICA – Y Kani , UBER
16:30	BUS DEPARTS FOR APPOINTED HOTELS

THURSDAY, 12 JULY

07:30 – 08:30	REGISTRATION (Coffee/ Tea and refreshments)
08:10	Briefing session for presenters and chairs in the respective venues
SESSION 4B – INTERNATIONAL SOCIETY FOR WEIGH-IN-MOTION WORKSHOP (IS-WIM)	
08:30 – 09:00	WELCOME AND OPENING OF WORKSHOP Introduction ISWIM and Purpose of Workshop – L Kannemeyer , SANRAL and C Koniditsiotis , ISWIM
09:00– 09:30	USE OF WIM IN SOUTHERN AFRICA Overview of WIM applications in South Africa/ Plans for future use of WIM – L Kannemeyer , SANRAL
09:30 – 10:00	INTERNATIONAL DEVELOPMENTS IN WIM Current applications of WIM around the world/ Development of new advanced applications – H van Loo , Corner Stone Int.
10:00 – 10:30	SHOW CASE PROJECTS FROM INTERCOMP Various examples of the application of WIM systems – C Bower , Intercomp Europe
10:30 – 11:00	REFRESHMENTS
11:00 – 11:30	ADDING VALUE TO HIGH SPEED WIM N3 Speed over distance project integrated with Weigh In Motion – M Hellens , Mikros Traffic Monitoring Syntell
11:30 – 12:00	APPLICATIONS AND DEVELOPMENTS IN WIM IN BRAZIL Status of Brazilian National WIM projects, PIAF, PNCT/ Plans for use of WIM for direct weigh enforcement and tolling by weight – G Otto , UFSC/ LabTrans Coordinator WIM Projects
12:00 – 12:30	USE OF WEIGHT DATA FOR TOLLING BY WEIGHT Experiences with the implementation of WIM systems for Tolling by Weight applications from various countries around the world – S Daxberger , Kapsch Traficom
12:30 – 13:00	NEW INTERNATIONAL STANDARD ON WIM Development and content of new WIM standard/ Procedures for System Testing and Approval/ Steps for successful implementation of Standard – C Oosterman , NMi Certin BV
13:00 – 14:00	LUNCH
14:00 – 14:30	CALIBRATION AND QUALITY MANAGEMENT OF WIM DATA Development of the Truck Tractor (TT) Method/ Current extent of application and challenges to meet with changes in truck loading characteristics – G de Wet , Static Motion Ltd.
14:30 – 15:00	EXPERIENCES WITH THE USE OF ON-BOARD MASS MONITORING Experiences with the use of on-board mass monitoring/ National Telematics Framework in Australia/ Different applications and levels of assurance of mass data – G Hill , TCA
15:00 – 15:30	REFRESHMENTS
15:30 – 16:00	COMMERCIAL VEHICLE SCREENING FOR ANOMALOUS TIRES Weigh in Motion and additional screening parameters/ Tire Anomaly and Classification System (TACS) for detection of tire problems – R Malhotra , IRD
16:00 – 16:30	DEVELOPMENT IN STRESS-IN-MOTION (SIM) Status of SIM Technology in South Africa and it's implementation in Accelerated Pavement Testing (APT) – M de Beer , CSIR
16:30 – 17:00	WRAP UP AND CLOSURE Conclusions and possible follow up – C Koniditsiotis , ISWIM
17:10	BUS DEPARTS FOR APPOINTED HOTELS

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 2018