

# PROGRAMME SATC 2022 VIRTUAL SESSIONS

Please note that not all sessions will be streamed.

Kindly select your virtual sessions from the list below.

Virtual delegates may register online and will receive a log in code prior to the event.

Virtual delegates will be able to interact by asking questions on the platform.

0,5 CPD per day of attendance is earned

Virtual Delegates may session hop between the auditoriums

Monday to Wednesday starts with a plenary address in Auditorium 1

## SESSIONS

### MONDAY, 4 JULY

08:00 – 08:30	VIRTUAL DELEGATES START LOGGING IN
<b>OPENING SESSION – AUDITORIUM 1</b>	
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	COMFORT BREAK

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

(Detailed virtual programme following on next page)

## MONDAY, 04 JULY

<b>08:00 – 08:30</b>	<b>VIRTUAL DELEGATES LOG IN</b>
<b>08:30 - 10:30</b>	<b>OPENING SESSION</b>
<b>10:30 - 11:00</b>	<b>COMFORT BREAK</b>
<b>SESSION 1A – INFRASTRUCTURE</b> <b>STREAMED – AUDITORIUM 1</b>	
<b>SESSION CHAIR: Dr Emile Horak, Kubu Consultancy</b>	
11:00 – 11:30	EXPERIMENTAL REHABILITATION OF A ROAD WITH INTRACTABLE SALT DAMAGE WITH A BITUMEN-RUBBER SINGLE SEAL - <b>F Netterberg</b> , Pavement Materials & Geotechnical Specialist
11:30 – 12:00	MICROBIAL INDUCED CALCIUM CARBONATE PRECIPITATION (MICP) FOR ROAD CONSTRUCTION - <b>MA Smit</b> 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 – <b>EO Ochola</b> , World Bank and JB Odoki, IMES Ltd, United Kingdom
12:30 – 13:00	INVESTIGATION INTO THE VARIATION IN AIRFIELD PAVEMENT STRENGTH RATING CALCULATION - <b>A M Hartman</b> , Zutari
<b>13:00 – 14:00</b>	<b>LUNCH</b>
14:00 – 14:30	BITUMEN-AGGREGATE ADHESION: A PREDICTIVE STUDY BASED ON ZETA POTENTIAL ANALYSIS USING THE STREAMING POTENTIAL TECHNIQUE - <b>B Nomlala</b> , Z Mthembu and G Mturi, CSIR Smart Mobility and A Hefer, Dr Arno Hefer Consulting
14:30 – 15:00 VIRTUAL	HIGH-TEMPERATURE RHEOLOGICAL PROPERTIES OF LIGNIN MODIFIED ASPHALT BINDER - <b>J Gao</b> , Chongqing Jiaotong University and Chang'an University, China and X Xue, Chang'an University and Xi'an Municipal Engineering Design & Research Institute Co, China
<b>15:00 – 15:30</b>	<b>COMFORT BREAK</b>
15:30 – 16:00	ENVIRONMENTALLY OPTIMISED DESIGN OF ROAD SURFACING ALTERNATIVES FOR STEEP SLOPE SECTIONS ON RURAL ROADS - <b>EK Debrah</b> , 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 - <b>CJ Pretorius</b> 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 - <b>MI Pinard</b> , Infra Africa Consultants, Botswana, J Hongve, Independent Consultant, Norway and P Paige-Green, Tshwane University of Technology
<b>END OF DAY 1</b>	

## MONDAY, 04 JULY

<b>08:00 – 08:30</b>	<b>VIRTUAL DELEGATES LOG IN</b>
<b>08:30 - 10:30</b>	<b>OPENING SESSION</b>
<b>10:30 - 11:00</b>	<b>COMFORT BREAK</b>
<p><b>SESSION 1E – CAPACITY BUILDING/ TRANSPORT FOR RURAL DEVELOPMENT</b></p> <p><b>STREAMED – AUDITORIUM 2</b></p>	
<b>SESSION CHAIR: Prof James Chakwizira, North West University</b>	
11:00 – 11:30	TRANSFERRABLE CAPACITY DEVELOPMENT LESSONS IN SUPPORT OF MUNICIPAL TRANSPORT SERVICE DELIVERY: CASE STUDY OF BOJANALA PLATINUM DISTRICT MUNICIPALITY - <b>M Mphahlele</b> , Kelelo Knowledge Management and M Mokonyama, CSIR
11:30 – 12:00 VIRTUAL	EQUITY IN URBAN TRANSPORT - <b>KT Sarath</b> 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 – <b>N Vimba</b> , Municipal Infrastructure Support Agent (MISA)
12:30 – 13:00	DISCUSSION
<b>13:00 – 14:00</b>	<b>LUNCH</b>
14:00 – 14:30	CRAFTING A SUSTAINABLE POST-PANDEMIC RECOVERY PATH: MASS TRANSIT THROUGH CABLE CARS – <b>D Mdunge</b> – SAFIRI
14:30 – 15:00	PROPOSED APPROACH TO ADDRESS THE REGULATION OF METERED TAXI AND E-HAILING SERVICES WITHIN THE ETHEKWINI MUNICIPALITY - R Pillay, <b>R Chetty</b> and K Kuppusamy - Ethekwini Transport Authority
<b>15:00 – 15:30</b>	<b>COMFORT BREAK</b>
15:30 – 16:00	CITY OF CAPE TOWN'S TRANSPORT RESPONSE TO COVID-19 REGULATIONS AND DIRECTIVES - <b>L Van den Berg</b> , City of Cape Town
16:00 – 16:30	THE SOUTH AFRICA MINIBUS TAXI INDUSTRY AND ITS OPERATORS: WORKING CONDITIONS DURING COVID 19 - <b>MM Muthige</b> 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 - <b>LJ Kgori</b> , Department of Community Safety and Transport Management, North West Provincial Government and <b>R Jakobo</b> , Western Cape Department of Transport and Public Works
	<b>END OF DAY 1</b>

## TUESDAY, 5 JULY

<b>08:00 – 08:30</b>	<b>VIRTUAL DELEGATES LOG IN</b>
<b>08:30 - 09:25</b>	<b>PLENARY ADDRESS:</b> Prof George Giannopoulos, University of Thessaloniki, Greece <b>AUDITORIUM 1</b>
<b>09:25 – 09:30</b>	<b>Plenary breaks up into parallel sessions</b>
<b>SESSION 2A – INFRASTRUCTURE</b> <b>STREAMED – AUDITORIUM 1</b>	
<b>SESSION CHAIR: Prof Joseph Anochie-Boateng, University of Pretoria</b>	
09:30 – 10:00	THE BIESIESVLEI LONG-TERM PLASTIC CALCRETE BASE EXPERIMENT: PERFORMANCE OVER 30 YEARS UNTIL FAILURE - <b>F Netterberg</b> , 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 - <b>Y Wang</b> , 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
<b>10:30 – 11:00</b>	<b>COMFORT BREAK</b>
11:00 – 11:30	LOCALIZED BRIDGE LOADING FOR SOUTH AFRICA USING WIM DATA - <b>J Van Rooyen</b> , Stellenbosch University and PF Van Der Spuy, Zutari
11:30 – 12:00	DETERMINING BRIDGE LOADING FROM SOUTH AFRICAN WIM DATA - <b>PF Van Der Spuy</b> , Zutari and Stellenbosch University
12:00 – 12:30	THE STATE OF BRIDGE LOADING IN SOUTH AFRICA - <b>PF Van Der Spuy</b> , Zutari and Stellenbosch University
12:30 – 13:00	DISCUSSION
<b>13:00 – 14:00</b>	<b>LUNCH</b>
14:00 – 14:30 VIRTUAL	STUDIES ON BONDING PROPERTIES BETWEEN POLYPROPYLENE WATERPROOF PLATE AND CONCRETE SEGMENT IN SHIELD TUNNELS - <b>S Yin</b> and M Zhou, Chang'an University, China
14:30 – 15:00 VIRTUAL	MODAL PUSHOVER ANALYSIS OF MULTI-LAYER OVERPASS BRIDGE - <b>G Zhu</b> and M Zhou, Chang'an University, China
<b>15:00 – 15:30</b>	<b>COMFORT BREAK</b>
15:30 – 16:00	DIGITAL TWINS FOR ROAD INFRASTRUCTURE - <b>R Matchett</b> , Zutari and J Wium, Stellenbosch University
16:00 – 16:30	DIGITAL TWINS – <b>C Davey</b> , University of Pretoria
16:30 – 17:00	DISCUSSION
<b>END OF DAY 2</b>	

## TUESDAY, 5 JULY

<b>08:00 – 08:30</b>	<b>VIRTUAL DELEGATES LOG IN</b>
<b>08:30 - 09:25</b>	<b>PLENARY ADDRESS:</b> Prof George Giannopoulos, University of Tessaaloniki, Greece <b>AUDITORIUM 1</b>
<b>09:25 – 09:30</b>	<b>Plenary breaks up into parallel sessions</b>
<b>SESSION 2B – URBAN AND PUBLIC TRANSPORT/ RURAL TRANSPORT STREAMED – AUDITORIUM 2</b>	
<b>SESSION CHAIR: Prof Roger Behrens, University of Cape Town</b>	
09:30 – 10:00	EVALUATING DIFFERENT MULTI-CRITERIA DECISION METHODS FOR THE COMPARISON AND INVESTIGATION OF PUBLIC TRANSPORT PROJECTS - <b>S Patel Papathanasiou</b> , 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 – <b>G Jennings</b> , Research Consultant and L Mosshammer, S Minovi and R Munoz-Raskin, World Bank
<b>10:30 – 11:00</b>	<b>COMFORT BREAK</b>
11:00 – 11:30	GREENING THE TRANSPORT SECTOR BY MAINSTREAMING BIODIVERSITY - <b>G Teren</b> , 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 - <b>ZP Msibi</b> , 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 - <b>A Kishoon</b> and Y Pillay, SMEC South Africa, R Chetty and A Naraidu, Ethekwini Transport Authority
12:30 – 13:00	DISCUSSION
<b>13:00 – 14:00</b>	<b>LUNCH</b>
<b>SESSION CHAIR: Prof James Chakwizira, North West University</b>	
14:00 – 14:30	TRANSPORT RELATED AIR POLLUTION AND ITS IMPLICATIONS ON PUBLIC HEALTH ALONG SELECTED ROAD CORRIDORS IN LAGOS METROPOLIS, NIGERIA - <b>SA Ajayi, CA Adams</b> 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? - <b>MM Muthige</b> , JD Beneke, N Robbertze and S Manuel, Vaal University of Technology
<b>15:00 – 15:30</b>	<b>COMFORT BREAK</b>
15:30 – 16:00	INVESTIGATING THE RELATIONSHIP BETWEEN TRANSPORT AND LABOUR DISCOURAGEMENT IN SOUTH AFRICA - <b>JM Van der Merwe</b> and SC Krygsman, Stellenbosch University
16:00 – 16:30	GENDER PARITY IN THE MINIBUS TAXI INDUSTRY IN SEDIBENG DISTRICT – <b>MM Muthige</b> , Vaal University of Technology
16:30 – 17:00	DISCUSSION
	<b>END OF DAY 2</b>

## TUESDAY, 5 JULY

<b>08:00 – 08:30</b>	<b>VIRTUAL DELEGATES LOG IN</b>
<b>08:30 - 09:25</b>	<b>PLENARY ADDRESS:</b> Prof George Giannopoulos, University of Thessaloniki, Greece <b>AUDITORIUM 1</b>
<b>09:25 – 09:30</b>	<b>Plenary breaks up into parallel sessions</b>
<b>SESSION 2D – TRAFFIC MANAGEMENT, SAFETY AND SECURITY</b> <b>STREAMED – AUDITORIUM 3</b>	
<b>CHAIR: Dr Karien Venter, CSIR</b>	
09:30 – 10:00	SOUTH AFRICA'S RESPONSE TO THE GLOBAL ROAD SAFETY PLAN – <b>T Ndebele</b> , Road Traffic Management Corporation
10:00 – 10:30	DEFENSIVE ADVANCED DRIVING, LAW ENFORCEMENT AND WORKING CONDITIONS: A MINIBUS TAXI DRIVER'S - <b>MM Muthige</b> , Vaal University of Technology
<b>10:30 – 11:00</b>	<b>COMFORT BREAK</b>
11:00 – 11:30	HARNESSING LEISURE CYCLISTS TO PROMOTE COMMUTER CYCLING - <b>E da Silva and P Onderwater</b> , Hatch Africa
11:30 – 12:00	THE EFFECTIVENESS OF SIDEWALKS ON PEDESTRIAN SAFETY IN A TOWNSHIP ENVIRONMENT - <b>D Naicker</b> 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 – <b>F Combrinck</b> , Johannesburg Roads Agency
12:30 – 13:00	MASTERDRIVE LIVE HIJACK DEMONSTRATION
<b>13:00 – 14:00</b>	<b>LUNCH</b>
<b>SARF ENGINEERING FOR SAFE SYSTEM FORUM 2022</b>	
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 - <b>LdV Roodt</b>
<b>15:00 – 15:30</b>	<b>COMFORT BREAK</b>
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 - <b>FJJ Labuschagne</b>
16:00 – 16:30	TRH29 SARRSM 2022 – SOUTH AFRICAN ROAD SAFETY ASSESSMENT METHODS - VOLUME 3: ROAD SAFETY AUDITS - <b>SE Grosskopf</b>
16:30 – 17:00	DISCUSSION
<b>END OF DAY 2</b>	

## WEDNESDAY, 6 JULY

<b>08:00 – 08:30</b>	<b>VIRTUAL DELEGATES LOG IN</b>
<b>08:30 - 09:25</b>	<b>PLENARY ADDRESS – Dr Joachim Vermooten</b> <b>AUDITORIUM 1</b>
<b>09:25 – 09:30</b>	<b>Plenary breaks up into parallel sessions</b>
<b>SESSION 3A – 3<sup>RD</sup> REGIONAL SEMINAR ON WEIGH-IN-MOTION</b> <b>STREAMED – AUDITORIUM 1</b>	
<b>OPTIMISING ROAD FREIGHT TRANSPORT USING WIM DATA</b> <b>SESSION CHAIR: Mr Hans van Loo</b>	
09:30 – 09:40	WELCOME AND INTRODUCTION OF ISWIM – <b>C Koniditsiotis</b> , ISWIM, Australia VIRTUAL
09:40 – 09:50	INTRODUCTION OF PIARC – <b>N Allii</b> , PIARC
09:50 – 10:10	USE OF WIM DATA IN SOUTH AFRICA – <b>L Kannemeyer</b> , South African National Roads Agency (SANRAL)
10:10 – 10:30	WIM PROJECTS IN TANZANIA – <b>R Matavila</b> , TANROADS, Tanzania
<b>10:30 – 11:00</b>	<b>COMFORT BREAK</b>
<b>WIM FOR DIRECT WEIGHT ENFORCEMENT</b> <b>SESSION CHAIR: Mr Hans van Loo</b>	
11:00 – 11:30	OVERLOAD DETECTION AND MITIGATION IN THE WORLD – <b>B Jacob</b> , University G.Eiffel, France VIRTUAL
11:30 – 12:00	LEGAL FRAMEWORK IN SOUTH AFRICA – <b>A Swanepoel</b> , Alta Swanepoel and Associates
12:00 – 12:30	IMPLEMENTATION OF WIM FOR DIRECT ENFORCEMENT IN BRAZIL – <b>F Bráulio</b> , DNIT, Brazil
12:30 – 13:00	WIM FOR DIRECT ENFORCEMENT IN FRANCE – <b>D Bétaille</b> , University G. Eiffel, France VIRTUAL
<b>13:00 – 14:00</b>	<b>LUNCH</b>
<b>PRACTICAL APPLICATIONS OF WIM</b> <b>SESSION CHAIR: Mr Andy Lees, Q-Free</b>	
14:00 – 14:20	SHOW CASE PROJECT: MIKROS - <b>R Sik</b> , Mikros
14:20 – 14:40	SHOW CASE PROJECT: INTERCOMP – <b>L Guerson</b> , Intercomp, USA and <b>D Hoffman</b> , Fiscal Tech, Brazil
14:40 – 15:00	SHOW CASE PROJECT: CAMEA – <b>J Fučík</b> , CAMEA, Czech Republic
<b>15:00 – 15:30</b>	<b>COMFORT BREAK</b>
<b>IMPLEMENTATION OF A WIM NETWORK</b> <b>SESSION CHAIR: Dr Paul Nordengen, Heavy Vehicle Transport Technology Africa</b>	
15:30 – 16:00	UGANDA VIRTUAL WIM PROJECT – <b>B Ezeanowi</b> , International Road Dynamic, Canada
16:00 – 16:30	SELECTION OF WIM LOCATIONS – <b>L Franceschi</b> , Labtrans, Brazil VIRTUAL
16:30 – 17:00	HYBRID IMPLEMENTATION OF WIM – <b>H van Loo</b> , Corner Stone International, Switzerland
	<b>END OF DAY 3</b>

## WEDNESDAY, 6 JULY

08:00 – 08:30	VIRTUAL DELEGATES LOG IN
08:30 – 09:25	PLENARY ADDRESS – Dr Joachim Vermooten <b>AUDITORIUM 1</b>
09:25 – 09:30	Plenary breaks up into parallel sessions
<b>SESSION 3C – 9<sup>TH</sup> CHINA AFRICA TRANSPORT CO-OPERATION FORUM AND MAGLEV TRAINS APPLICATIONS</b> <b>STREAMED – AUDITORIUM 2</b>	
<b>SESSION CHAIR: Dr Emile Horak, Kubu Consultancy</b>	
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) - <b>C Masoka</b> , Department of Science and Innovation - <b>Y Wang</b> , South Africa-China Transport Co-operation Center(SACTCC) - <b>S Macamo</b> , Counsellor, Mozambique Embassy to South Africa - <b>D Nkadameng</b> , Department of Science and Innovation
10:00 – 10:30 1VIRT + 1 IN PERSON	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) – <b>Z Li</b> , CASS and <b>J Grundling</b> , Tshwane University of Technology
<b>10:30 – 11:00</b>	<b>COMFORT BREAK</b>
11:00 – 11:30 VIRTUAL	NOVA PAVEMENT MATERIALS AND APPLICATIONS AT GUANGDONG AND PEARL DELTA REGION OF CHINA – <b>C Hu</b> , South China University of Technology (SCUT), Guangzhou, China and Pavement Doctors Consultants
11:30 – 12:00 1VIRT + 1 IN PERSON	INNOVATIVE CO-OPERATIVE PROGRAM AND TECHNOLOGY TRAINING ADVANCEMENT DEVELOPMENT AMONG SOUTH AFRICA, SADC, AFRICA AND CHINA – <b>N Feza</b> , University of Venda and <b>A Liu</b> , Hubei University of Technology with the SACTCC
12:00 – 12:30 VIRTUAL	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 – <b>C Zhuang</b> , The International Society of the Mobile Load Simulator (ISMLS)
12:30 – 13:00 VIRTUAL	INTERNATIONAL PROFESSIONAL TRAINING PROGRAMME AT YUNNAN JIAOTONG (TRANSPORT) COLLEGE AND INTENT CO-OPERATIONS WITH SOUTH AFRICA AND AFRICA – <b>Y Zhao</b> , Yunnan Jiaotong(Transport) College and <b>J Jia</b> , Yunnan Provincial Highway Research Institute APT/MLS Lab.
<b>13:00 – 14:00</b>	<b>LUNCH</b>
<b>MAGLEV TRAINS APPLICATIONS – SESSION CHAIR: Mr Tshepo Kgobe</b>	
14:00 – 14:30	OVERVIEW: SMART CITIES AND SMART TRANSPORT – <b>G de Beer</b>
14:30 – 15:00	TRANSPORT ECONOMY, TRANSPORT OPTIONS AND CHALLENGES – <b>P Lombard</b>
<b>15:00 – 15:30</b>	<b>COMFORT BREAK</b>
15:30 – 16:00	MAGLEV TRAIN OPERATIONS – <b>W Mu</b> , China Specialist VIRTUAL
16:00 – 16:30	MAGLEV TECHNOLOGY
16:30 – 17:00	DISCUSSION AND SUMMARY – <b>P Vorster</b> , ITS SA
	<b>END OF DAY 3</b>



## WEDNESDAY, 6 JULY

<b>08:00 – 08:30</b>	<b>VIRTUAL DELEGATES LOG IN</b>
<b>08:30 – 09:25</b>	<b>PLENARY ADDRESS – Dr Joachim Vermooten</b> <b>AUDITORIUM 1</b>
<b>09:25 – 09:30</b>	<b>Plenary breaks up into parallel sessions</b>
<b>SESSION 3D – MARITIME</b> <b>STREAMED – STREAMED AUDITORIUM 3</b>	
<b>SESSION CHAIR: Mr Tebogo Mojafi, SAMSA</b>	
09:30 – 10:00	USING MARINE SPATIAL PLANNING TO ALIGN PRIORITY AREAS FOR MARITIME TRANSPORTATION ACTIVITIES – <b>M Ramakulukusha</b> , The National Department of Forestry, Fisheries and the Environment
10:00 – 10:30	FREIGHT FORWARDERS' ROLE IN EFFICIENT PORTS - <b>SP Mokoena</b> and C Mara, University of Johannesburg
<b>10:30 – 11:00</b>	<b>COMFORT BREAK</b>
11:00 – 11:30	SUCCESSFUL LEADERSHIP STYLES FOR GLOBAL COMPETITIVENESS - C Mara, University of Johannesburg and <b>T Mushayi</b> , University of Namibia
11:30 – 12:00	SMART PORTS: IS SADC POSITIONED FOR TRANSITION? - <b>LA Grimett</b> , Moses Kotane Institute
12:00 – 12:30	INCIDENT MANAGEMENT SYSTEM FOR AN EFFECTIVE MARITIME INCIDENT RESPONSE – A CASE FOR SOUTH AFRICA – <b>R Naicker</b> , South African Maritime Safety Authority (SAMSA)
12:30 – 13:00 VIRTUAL	SHIPPING'S ENERGY TRANSITION: STRATEGIC OPPORTUNITIES IN SOUTH AFRICA – <b>K Abhold</b> , Global Maritime Forum
<b>13:00 – 14:00</b>	<b>LUNCH</b>
14:00 – 14:30 VIRTUAL	ADDRESSING GHG EMISSIONS IN MARITIME SECTORS IN LEAST DEVELOPING ISLAND STATE: CASE OF MADAGASCAR - <b>MV Rabemiafara</b> , Agence Portuaire Maritime et Fluviale, Madagascar
14:30 – 15:00 VIRTUAL	FACILITATING TRANSITION TO DECARBONISING AFRICAN WATERS; THE ROLE OF MARITIME TECHNOLOGY COOPERATION CENTRES – <b>L Ngugi</b> , Jomo Kenyatta University of Agriculture And Technology, Kenia
<b>15:00 – 15:30</b>	<b>COMFORT BREAK</b>
15:30 – 16:00	SYSTEMS APPROACH TO COASTAL AND MARINE TOURISM – CHALLENGES AND OPPORTUNITIES: UGU DISTRICT, KWAZULU-NATAL - <b>VB Zulu</b> , S84 Learnovate
16:00 – 16:30	THE NEW NORMAL FOR COASTAL STATES - O Eriksson and <b>K Gregory</b> , International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA)
16:30 – 17:00	SUMMARY OF THE SESSION
<b>END OF DAY 3</b>	

## THURSDAY, 7 JULY

08:00 – 08:30	VIRTUAL DELEGATES LOG IN
<b>SESSION 4A – 3<sup>RD</sup> REGIONAL SEMINAR ON WEIGH-IN-MOTION</b> <b>STREAMED – AUDITORIUM 1</b>	
<b>QUALITY IMPROVEMENT OF WIM DATA</b> <b>SESSION CHAIR: Ms Michelle van der Walt, SANRAL</b>	
08:30 – 09:00	UPDATED TT WIM CALIBRATION METHOD – <b>G de Wet</b> , Static Motion
09:00 – 09:30	REVISION OF THE OIML R134 STANDARD – <b>B Jacob</b> , University G.Eiffel, France VIRTUAL
09:30 – 10:00	CORRECTION MODEL FOR HS-WIM SYSTEMS – <b>G Otto</b> , Labtrans, Brazil
10:00 – 10:30	TRUCK SILHOUETTES ANALYSIS WITH WIM DATA – <b>O Quoy</b> , Atlantes, France VIRTUAL
10:30 – 11:00	<b>COMFORT BREAK</b>
<b>WIM FOR DIRECT WEIGHT ENFORCEMENT</b> <b>SESSION CHAIR: Mr Hans van Loo, Cornerstone International</b>	
11:00 – 13:00 2 VIRTUAL	PANEL DISCUSSION: WIM FOR DIRECT WEIGHT ENFORCEMENT - <b>M van der Walt, M Hellens, G de Wet, B Jacob, C Davis and T Kearney</b>
13:00 – 14:00	<b>LUNCH</b>
<b>PRACTICAL APPLICATIONS OF WIM</b> <b>SESSION CHAIR: Mr Andrew Houliston</b>	
14:00 – 14:20	SHOW CASE PROJECT: Q-FREE – <b>T Green</b> , Q-Free, United Kingdom
14:20 – 14:40	SHOW CASE PROJECT: INTERNATIONAL ROAD DYNAMICS – <b>B Ezeanowi</b> , IRD, Canada
14:40 – 15:00	SHOW CASE PROJECT: CESTEL – <b>M Mavrič</b> , Cestel, Slovenia
15:00 – 15:30	<b>COMFORT BREAK</b>
<b>SELF REGULATION IN OVERLOAD CONTROL</b> <b>SESSION CHAIR: Mr Hans van Loo, Cornerstone International</b>	
15:30 – 15:50	INTELLIGENT ACCESS PROGRAM – <b>C Koniditsiotis</b> , (former CEO) TCA, Australia VIRTUAL
15:50 – 16:10	ROAD TRANSPORT MANAGEMENT SYSTEM – <b>P Nordengen</b> , Road Transport Management System (RTMS)
16:10 – 16:30	INTELLIGENT ACCESS IN EUROPE – <b>L Aarts</b> , Rijkswaterstaat, The Netherlands VIRTUAL
16:30 – 16:45	THE FUTURE OF WIM IN SOUTH AFRICA – <b>M van der Walt and L Leseane</b> , South African National Roads Agency (SANRAL)
16:45 – 17:00	SUMMARY AND CLOSURE OF SEMINAR – <b>C Koniditsiotis</b> , ISWIM, Australia VIRTUAL
	<b>END OF DAY 4</b>

## THURSDAY, 7 JULY

08:00 – 08:30	VIRTUAL DELEGATES LOG IN
<b>SESSION 4C – PUBLIC PRIVATE PARTNERSHIP WORKSHOP</b> <b>STREAMED – AUDITORIUM 2</b>	
<b>SESSION CHAIR: Ms Laverne Dimitrov, DBSA</b>	
08:30 – 09:00 VIRTUAL	PROCURING URBAN RAIL TRANSIT INFRASTRUCTURE BY INTEGRATING LAND VALUE CAPTURE AND PUBLIC-PRIVATE PARTNERSHIPS: LEARNING FROM THE CITIES OF DELHI AND HONG KONG - <b>X Li</b> , Curtin University, Perth, Australia
09:00 – 09:30 VIRTUAL	WHERE TO START: A DEBATE ON PPPS IN SOUTH AFRICA' COMMUTER RAIL SERVICES - A discussion led by <b>X Li</b> , Curtin University, Perth Australia
09:30 – 10:00 VIRTUAL	SUBURBAN RAIL DECENTRALISATION: ISSUES AND OPTIONS - <b>E Beukes</b> , World Bank
10:00 – 10:30 VIRTUAL	DISCUSSION ON THE SUBURBAN RAIL DECENTRALISATION: DISCUSSION LEADER - A discussion led by <b>E Beukes</b> , World Bank
<b>10:30 – 11:00</b>	<b>COMFORT BREAK</b>
11:00 – 11:30 VIRTUAL	CONSIDERATIONS FOR PPP PROJECTS IN SUB-SAHARA AFRICA, <b>M Salawou</b> , African Development Bank
11:30 – 12:00 VIRTUAL	LIFECYCLE PLANNING IN PPP PROJECTS – <b>F Kanonda</b> , African Development Bank
12:00 – 12:30 VIRTUAL	JUST TRANSITION AND CLIMATE CHANGE - <b>B Msimanga</b> , Development Bank of Southern Africa
12:30 – 13:00 VIRTUAL ALL PRESENTERS	INTERACTIVE AUDIENCE DISCUSSION ON YOUTH CAPACITY DEVELOPMENT IN RAIL COMPONENT PROJECT, WITHIN AND BEYOND SADC - Discussion leader to be confirmed
<b>13:00 – 14:00</b>	<b>LUNCH</b>
14:00 – 14:30	DEBATE ON REGIONAL CONNECTIVITY THROUGH PUBLIC PRIVATE PARTNERSHIPS - Led by <b>L Dimitrov</b> , 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 - <b>E Agbasi</b> , Head, PPP, Multilateral and Special Duties at FERMA
<b>15:00 – 15:30</b>	<b>COMFORT BREAK</b>
15:30 – 16:00 VIRTUAL	CONTRACTING COMMUTER RAIL SERVICES - <b>A Rutter</b> , Texas A&M Transportation Institute, USA
16:00 – 16:30 VIRTUAL	DISCUSSION ON CONTRACTING COMMUTER RAIL SERVICES -A discussion led by <b>A Rutter</b> , Texas A&M Transportation Institute
16:30 – 17:00 VIRTUAL ALL PRESENTERS	SUMMARY AND CLOSE DISCUSSION - Led by <b>L Dimitrov</b> , Development Bank of Southern Africa
	<b>END OF DAY 4</b>

## THURSDAY, 7 JULY

<b>08:00 – 08:30</b>	<b>VIRTUAL DELEGATES LOG IN</b>
<p><b>SESSION 4D – DECADE OF ACTION FOR ROAD SAFETY 2021 – 2030 WORKSHOP (Role of Academia, Research Organizations, NGO’s and Private Sector)</b></p> <p><b>STREAMED – AUDITORIUM 3</b></p>	
<b>SESSION CHAIR: Prof Marianne Vanderschuren, University of Cape Town/ SAICE</b>	
<b>08:30 – 09:00</b>	<b>OPENING ADDRESS – MINISTER OF TRANSPORT, MR FIKILE MBALULA</b>
<b>09:00 – 09:15</b>	<b>PURPOSE AND OBJECTIVES OF WORKSHOP – M Vanderschuren, University of Cape Town and President SAICE</b>
<b>09:15 – 09:30</b>	<b>BUILDING ON THE SAFE SYSTEMS APPROACH – J Rammutla, WSP Africa</b>
<b>09:30 – 09:50</b>	<b>MULTIMODAL TRANSPORT AND LAND-USE PLANNING (FOCUS AREA 1) - J Coetzee, Innovative Transport Solutions</b>
<b>09:50 – 10:10</b>	<b>SAFE ROAD INFRASTRUCTURE (FOCUS AREA 2) - M Vanderschuren, University of Cape Town and President SAICE</b>
<b>10:10 – 10:30</b>	<b>VEHICLE SAFETY (FOCUS AREA 3) - L Beard – Automobile Association of South Africa</b>
<b>10:30 – 11:00</b>	<b>COMFORT BREAK</b>
<b>11:00 – 11:20</b>	<b>SAFE ROAD USE (FOCUS AREA 4) - A Sukhai – University of South Africa (UNISA)</b>
<b>11:20 – 11:40</b>	<b>POST-CRASH RESPONSE (FOCUS AREA 5) – P van der Spuy, ER24</b>
<b>11:40 – 13:00</b> 1 VIRTUAL PANELLIST	<b>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</b>
<b>13:00 – 14:00</b>	<b>LUNCH</b>
<b>14:00 – 15:00</b>	<b>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</b>
<b>15:00 – 15:30</b>	<b>COMFORT BREAK</b>
<b>15:30 – 16:30</b>	<b>DISCUSSION ALL DELEGATES</b>
<b>16:30 – 17:00</b>	<b>SUMMARY AND CLOSURE</b>
	<b>END OF DAY 4</b>