

DAY 1 PROGRAMME

TUESDAY 18 OCTOBER 2022

08:00	Registration	
10:00	Opening session	
10:00	Welcoming words: Mr Vusi Tshabangu, SARF President (Auditorium 2)	
10:15	PIARC Institutional Presentation: Mr Nazir Alli, PIARC President	
10:25	Rural Accesibility in PIARC: Mr Souleman Oussiman, Chair of PIARC Technical Committee 2.2 Accessibility and Mobility in Rural Areas	
10:35	Road Safety in PIARC: Dr. John Milton, Chair of PIARC Technical Committee 3.1 Road Safety	
10:45	IRF President: Mr Anouar Benazzouz, IRF President	
11:00	Professor André Roux, Head Futures Studies Programme, University of Stellenbosch	
11:35	Mr Robert Lisinge from UN ESA: The African Continental Free Trade Area & demand for road transport infrastructure & services.	
12:05	Lunch & Opening of Exhibition	
	ROAD NEEDS & FINANCING (Nerina)	PRESERVING AFRICA'S ROAD ASSETS (Protea)
13:00	Introduction Chair: Susanna Zammataro IRF	Introduction Phil Hendricks SABITA
13:05	Creating win/win solutions through PPPs Solomon Kganyago	GRAP Compliant Road Asset Management for Potholes Repair & Minor Rehabilitations Mutshutshu Nxumalo
13:35	Western Cape Distance-based Road user charge Voluntary Experiment Prof Stephan Krygsman	Potholes – don't just fill them, fix them Prof Philip Paige-Green
14:05	Digitalisation for Road Design Optimization Sergio Cediel	Towards a harmonization of pavement designing methodologies in West African Economic and Monetary Union Dr Paulin Kouassi
14:35	Strategic Analysis of Primary Road Network Funding in Liberia Using HDM-4: A Case Study Eric Jenn	A new approach to asset management of unpaved roads Robin Workman
15:05	Refreshments	
	ROAD NEEDS & FINANCING (cont)	PRESERVING AFRICA'S ROAD ASSETS (cont)
15:30	Introduction Chair: Ivandra Udoyen Koleko Solutions	Introduction Chair: Mirriam Mosia SANRAL
15:35	Financing sustainable road rehabilitation Wynand Bezuidenhout	Evaluation of elastic modulus of crushed stone base layers Jonathan Geldenhuys
15:55	A digital platform to optimize roads thanks to artificial intelligence Nicolas Miravalls	Economic benefits of full spectrum automated road condition data collection Herman Visser
16:25	Determination of roads needs and financing mechanisms: ROAD FUNDING PRIORITY INDEX Dr Emmanuel Kosse kaba	The drive towards environmentally sustainable road networks Mervin Olivier
16:45	Electic Vechile Strategy of WCG, possible effect on Fuel levy Mr Yasir Ahmed	Interoperable fare management in public transport Siveshni Pillay
17:05	Cocktail Party - (Exhibition Area, ends 19:30) Sponsored by Western Cape DTPW	
		ROAD SAFETY & RURAL ROADS - GOVERNANCE AND MANAGEMENT OF SAFE MOBILITY IN RURAL AREAS (Aud 2)
13:00	Introduction Session Chair: Patrick Mallejacq, PIARC Secretary General	
13:05	Road Safety Risks on Rural Roads Norman Byamukama	
13:25	Integrating Road Safety Audit into Local Design Processes John Barrell	
13:45	Road Safety Consideration in an African Context - Lessons learnt from Road Safety Audits in South Africa Iris Wink	
14:05	Tsela Tshweu project Botswana Maatla Energy Otsogile	
14:35	Q&A and debate All speakers and chair	
14:45	Session conclusions Session Chair: Patrick Mallejacq	
15:00	Refreshments	
		ROAD SAFETY & RURAL ROADS - SAFER INFRASTRUCTURE FOR RURAL ROADS: PROVEN COUNTER MEASURES
15:30	Introduction Session Chair: Nazir Alli, PIARC President	
15:35	Road Safety improvement through innovative EN1317 crash tested and certified precast concrete Safety Barriers, produced locally, in any African country Olivier Keutgen	
15:50	The impact of RTMS on heavy vehicle safety and efficiency Oliver Naidoo	
16:05	N2 / N3 Upgrades – Construction Traffic Management Plan (TMP) Ravi Ronny	
16:20	Flood risk evaluation for bridge design using palaeoflood records Gert Cloete	
16:35	Q&A and debate All speakers and chair	
16:55	Session conclusions Session Chair: Nazir Alli	

DAY 2 PROGRAMME

WEDNESDAY 19 OCTOBER 2022

07:30	Registration
	ROAD SAFETY - 2ND DECADE OF ACTION FOR ROAD SAFETY (Auditorium 2)
08:30	Introduction Session Chair: Lucy Wickham, Secretary PIARC Road Safety Technical Committee
08:35	Introduction to PIARC Road Safety Manual John Milton
08:55	Developing a road safety desert methodology for South Africa Marianne Vanderschuren
09:15	Setting credible speed limits: case studies from finland and world Jaakko Klang
09:35	Review of the eThekweni Road Safety Plan (2017-2021) Ravina Sewlal
09:55	Q&A and debate All speakers and chair
10:15	Session conclusions Session Chair: Lucy Wickham
10:30	Refreshments
	ROAD SAFETY - SPECIFIC ROAD SAFETY ISSUES FOR LMIC
11:00	Introduction Session Chair: John Barrell, Member PIARC Road Safety Technical Committee
11:05	Specific road safety issues for LMICs Steven Robertson
11:25	Contributory factors to crash risk on national roads: Drivers perspective Robert Ambunda
11:45	Evaluating the traffic operational performance in Addis Ababa: A case of Megenagna to Ayat road corridor Bethlehem Tilahun
12:05	Promoting greater levels of commuter cycling in South Africa Andrew Wheeldon
12:25	Explaining South Africa's latest National Standard for Tactile Pedestrian Crossings Frano Combrinck
12:45	Q&A and debate All speakers and chair
13:05	Session conclusions Session Chair: John Barrell
13:30	Lunch
	ROAD SAFETY - IMPLEMENTATION OF PROVEN COUNTER MEASURES & ROAD SAFETY AUDITS
14:30	Introduction Session Chair: Steven Robertson, Member PIARC Road Safety Technical Committee
14:35	New Road Infrastructure Safety Management (RISM) Tools in Germany Marco Irzik
14:50	TMH24 - Road Restraint Systems Louis Roodt
15:05	Skid Resistance vs Surface Texture, An Investigation from a Safety Perspective Kaslyn Naidoo
15:20	Replacement and upgrade of the huguenot tunnel lighting system Willem Louw
15:35	Q&A and debate All speakers and chair
15:55	Session conclusions Session Chair: Steven Robertson
16:00	Refreshments
16:30	Panel discussion 1 on Road Safety & Rural Roads - What specificities for safe mobility in rural areas: vulnerable users, land use, users education Moderated by: Patrick Malléjacq. Jeff Shaw, Imen Makhlof, Izak Van Der Linde, Marianne van der Schuren, Jaakko Klang. Q&A and debate with the audience
18:30	Conference Gala Dinner (Smart-Casual)

07:30	Registration
	RURAL ROADS - ACCESSIBILITY & MOBILITY IN RURAL AREAS: SOCIAL & ECONOMIC IMPORTANCE (Protea)
08:30	Introduction Session Chair: Souleman Oussiman, Chair PIARC Rural Roads Technical Committee
08:35	Rural Roads key for connectivity and rural areas developement- Tunisia Imen Makhlof
08:55	The effect of Balancing Mobility & accessibility as a design philosophy on Moloto road (R573) - South Africa & condition on sustainable fresh produce production Izak Van Der Linde
09:15	The effect of road condition on sustainable fresh produce production Wynand Bezuidenhout
09:35	What does the future hold for low volume rural roads in developing countries? Les Sampson
09:55	Q&A and debate All speakers and chair
10:15	Session conclusions Session Chair: Souleman Oussiman
10:30	Refreshments
	RURAL ROADS - TECHNICAL SOLUTIONS FOR PAVED AND UNPAVED RURAL ROADS
11:00	Introduction Session Chair: Imen Makhlof, Secretary PIARC Rural Roads Technical Committee
11:05	Method of construction rural roads in rural areas: Case of Burkina Faso SSouleman Oussiman
11:25	First approaches on the technical solutions for rural roads and examples from different countries Francois Chaignon
11:45	Medium to Long Term Stockpiling Performance of Bitumen Stabilised Materials Niel Claassens
12:05	Causes of failure at experimental blended base road in Mozambique Moisés Dzimba
12:25	Reducing Percentage Oversize Aggregate in Gravel Wearing Course Materials by Linear Crushing Stephan Schoeman
12:45	Q&A and debate All speakers and chair
13:05	Session conclusions Session Chair: Imen Makhlof
13:30	Lunch
	RURAL ROADS - MANAGEMENT AND FINANCING OF RURAL ROADS
14:30	Introduction Session Chair: Izak Van Der Linde, Member PIARC Rural Roads Technical Committee
14:35	Implications for rural transport services and road investment planning Robin Workman
14:55	Calibration of HDM4 performance models for unsealed roads Gerrie van Zyl
15:15	Gravel roads: one shoe does not fit all Gerrie van Zyl/ Robbie Uys
15:35	Q&A and debate All speakers and chair
15:55	Session conclusions Session Chair: Izak Van Der Linde
16:00	Refreshments
16:30	Panel discussion 1 on Road Safety and Rural Roads - What specificities for safe mobility in rural areas: vulnerable users, land use, users education Moderated by: Patrick Malléjacq. Jeff Shaw, Imen Makhlof, Izak Van Der Linde, Marianne van der Schuren, Jaakko Klang. Q&A and debate with the audience
18:30	Conference Gala Dinner (Smart-Casual)

07:30	Registration
	INNOVATIVE PRACTICES (Nerina)
08:30	Session chair: Melanie Hofmeyr and Western Cape engineering Teams
08:35	A survey-based needs analysis of sensor systems and data for roads and traffic management in South Africa Tinus Stander
09:05	Big data and geospatial analysis for improved Cross-Border Road Passenger Transport between RSA and Botswana, Eswatini and Mozambique Zamasibi Msibi
09:35	Comprehensive road monitoring to optimize road infrastructure investments Bjarne Schmidt
10:05	Through the Looking Glass: A Holistic Perspective into Road Condition Data Collection and Evaluation in South Africa Tasneem Moolla
10:30	Refreshments
11:00	Innovative practices to optimise road networks: The Economic Benefits of Alternative Routes, A Case Study of Tubman Boulevard in Monrovia, Liberia Vernon Washington
11:30	Hybrid Implementation of WIM systems Hans van Loo
12:00	Floating Car Data as a predictor of potholed road segments Megan Bruwer
12:30	Relevant environmental variables for road surfacing policy in South Africa Muriel Makosani
13:00	An Economic Method for Creating Resilient Hard Surfaced Roads Steven Latoski
13:30	Lunch
	CAPACITY DEVELOPMENT (Nerina)
14:30	Session chair: Basil Jonsson SARF
14:35	Management of Disruption to Road Construction Sites by Stakeholders Mr Sisanda Dyubhele
15:05	SANRAL's Technical Excellence Academy – Training to Sustain our Infrastructure Assets Andrew van Gruting
15:35	Building Capacity Though Effective Mentoring: Benefitting Both Organization and Individual Mr Boénau and Mr Lumor
16:05	Refreshments
16:30	Panel discussion 1 on Road Safety and Rural Roads - What specificities for safe mobility in rural areas: vulnerable users, land use, users education Moderated by: Patrick Malléjacq. Jeff Shaw, Imen Makhlof, Izak Van Der Linde, Marianne van der Schuren, Jaakko Klang. Q&A and debate with the audience
18:30	Conference Gala Dinner (Smart-Casual)

DAY 3 PROGRAMME

THURSDAY 20 OCTOBER 2022

07:30	Registration
	ROAD SAFETY & RURAL ROADS - INNOVATION FOR ROAD SAFETY IN RURAL AREAS (Auditorium 2)
08:30	Introduction Session Chair: John Milton, Chair PIARC Road Safety Technical Committee
08:35	Polish experience in sharing experience in road safety management on the example of a twin project for Albania Przemysław Padło
08:50	Managing safety aspects of rural roads Azwan Ezzany Azmi
09:05	The role of low volume roads in rural connectivity: Safe roads for women in rural areas Imen Makhoulouf
09:20	RSA's proposed setting of speed limits methodology Dr Herman Joubert
09:35	Addressing Pedestrian Safety in Low and Middle Income countries: Lessons from the Western Cape Safely Home Study 2019 Joanne Corrigan
09:50	Q&A and debate All speakers and chair
10:15	Session conclusions Session Chair: John Milton
10:30	Refreshments
11:00	Panel discussion 2 on Road Safety and Rural Roads - Future for safe mobility in rural areas Moderated by: Nazir Alli. Souleman Oussiman, Przemysław Padło, Azwan Ezzany Azmi, Dr Herman Joubert Q&A and debate with the audience
12:30	Comfort Break
12:40	PLENARY CLOSING: Conclusion Summary and Resolutions - Mr Vusi Tshabangu (Aud 2)
13:10	Lunch
	MANAGEMENT PRACTICES FOR SAFER ROADS (Complimentary workshop) (Auditorium 2)
14:10	Interactive Implementation Scenarios Mr André Colin, Management Consultant, Falconi; Ms Angela Montano, Training Assistant, Road Safety Global Training Initiative, UNITAR
15:40	Interactive Implementation Scenarios - Feedback & Lessons Learned Mr André Colin; Ms Angela Montano
16:40	Concluding Remarks Dr Mpilo Ngubane, EMA Head, MILE Chief Learning Officer, Executive Director of CIFAL Durban; Ms Catalina Garcia, Global Director of Corporate Affairs, AB InBev; Ms Heidi Bartis, Director BU South: Communities & Social Impact, SAB
17:10	Finish

07:30	Registration
	INNOVATIVE PRACTICES (Nerina) ROADS & THE ENVIRONMENT (Protea)
08:30	Session chair: Melanie Hofmeyr and Western Cape engineering Teams Session chair: Tiago Massinque SANRAL
08:35	The Feasibility of a Network Materials Utilization Plan Salome Naicker The impact of climate resilience on the Rural Access Index Robin Workman
09:05	Use of fly ash in soil-cement in road pavements Charme Armando Langa Integrating Climate Adaptation into Road Asset Management Dr Theuns Henning
09:35	Nanotechnology for Green Roads: A Case Study on the Use of Nano-Organosilane Modified Emulsions (NMEs) in SA Imraan Akhalwaya How Intelligent Transport Systems can enable the Decarbonization of Road Transportation Marshall Muthen
10:05	Continuous full spectrum condition evaluation of rigid pavements in South Africa Simon Tetley Improving climate resilience of unpaved and paved roads Prof Philip Paige-Green
10:35	Refreshments
	INNOVATIVE PRACTICES (cont) ROADS & THE ENVIRONMENT (cont)
11:00	Session chair: Melanie Hofmeyr and Western Cape engineering Teams Session chair: Gretchen Weber Cherry SANRAL
11:05	Africa is ready for 4IR and advanced ITS Ivan Reutener Epoxy Asphalt and Fibre Mastic Asphalt Surfacing Construction Trials in Ethiopia Dr Gurmel Ghataora & Yitagesu Halala
11:30	Empirical Estimation of a Macroscopic Fundamental Diagram (MFD) for the City of Cape Town Freeway Network John Koketso Rammutla Climate change, resilient infrastructure and transport efficiency Mr Daniel Sanchez Solis
	Climate Resilient and Sustainable Road Pavement Surfacing for Developing Countries Dr Theuns Henning
12:00	Innovative practices to optimise road networks UNITAR Panel Performance of Asphalt Modified with Recycled Waste Plastic under Extreme Traffic Loading Conditions Justin Pillay
12:30	Comfort Break
12:40	PLENARY CLOSING: Conclusion Summary & Resolutions - Mr Vusi Tshabangu (Aud 2)
13:10	Lunch
14:10	SITE VISIT C974 Upgrade of MR168, Dualing of road and various structures (Limited numbers) SITE VISIT C1025.03 Dualing of Refinery interchange large new structure and some road works over N7 (Limited numbers)
17:10	Finish