



The Ministry of Works and  
Transport, Tanzania



World Roads Association  
(PIARC)



Tanzania Roads Association  
(TARA)

**INTERNATIONAL SEMINAR ON SUSTAINABLE ROAD FREIGHT TRANSPORT FOR  
ECONOMIC AND SOCIAL DEVELOPMENT**

**FINAL ANNOUNCEMENT**



**31<sup>st</sup> May – 02<sup>nd</sup> JUNE 2023**

**ARUSHA INTERNATIONAL CONFERENCE CENTRE, ARUSHA, TANZANIA**

**Organised by:**

**The World Road Association (PIARC) in collaboration with the Ministry of Works and Transport in  
Tanzania through Tanzania Roads Association (TARA)**

## **BACKGROUND ON FREIGHT TRANSPORT**

Freight transport was and is the lifeline of the economy and society in the past, present and in the future. Especially road transport, which plays a decisive role in supply chains. While road transport is crucial to the movement of goods there are some negative impacts associated with the environment, climate change, road infrastructure and safety. A good planning and managing of the roads strongly considering freight transport is therefore important. Road administrations and road agencies play a key role in this.

Today we face the following challenges:

- In transport planning freight transport is sometimes neglected, on national, regional and also on local level.
- Overloaded trucks, poor vehicle conditions, driver fatigue and speeding remain a big challenge in road freight transport, also in many African countries. These issues can cause severe road safety problems, substantial damage to the road infrastructure and environmental impacts.
- There are many drivers for intermodal and multimodal freight transport systems as limited capacity of roads and available capacity of other modes, combine the strengths of different modes and the resilience of the transport system.
- In most of the countries worldwide road freight transport is further increasing. Bottlenecks lead to high transport costs and a negative impact on the environment and the reliability of freight transport. Therefore, approaches for a better management of road freight transport and good solutions for truck parking, border crossings are needed, especially also on freight corridors are needed.
- Urbanization and E-commerce are the drivers for the growing urban freight transport. The number of trips and the loading and unloading processes are increasing. Innovative solutions are needed to reach the co-existence between freight and passenger traffic.
- Transport contributes today to about one quarter of energy-related global GHG emissions and about one fifth of energy use. The share of road freight transport is increasing and at the same time road freight transport is heavily depending on fossil fuel. The need to reduce greenhouse gas emissions is a dominant issue in the debate over how the transport system should be further developed.

## **BACKGROUND ON ROAD PLANNING FOR ECONOMIC AND SOCIAL DEVELOPMENT**

Road infrastructure is key to economic and social growth. Globally, but more specifically LMICs face various challenges with respect to road infrastructure, namely, to maintain what they have, provide accessibility to the non-serviced and under-serviced communities and to provide infrastructure expansions to improve accessibility and mobility.

Road infrastructure helps solve both long term and short-term economic problems. Short term investment in road infrastructure helps provide jobs for low skilled workers. Over the longer term it has a wide range of benefits e.g. job creation with a multiplier effect (creates direct, indirect and induced jobs), reduces congestion and carbon emissions and benefits business by reducing the cost of transport.

Sustainability of transport plans is also related to accessibility and equity: since transport costs increase in many parts of the world, the Road Administrations have adopted as a part of their activity a pro-poor approach, i.e. the attitude to consider to which extent the most exposed part of the population to poverty can afford the existing road infrastructure and associated services.

Transport modelling and traffic forecasting is the backbone of road planning and road investment decision. The sector is experiencing a fast evolution due to the recourse of innovation in many areas of research and application to the planning procedures of the Road Agencies or Administrations

## **ADDRESSING BOTH FREIGHT TRANSPORT AND ROAD PLANNING FOR ECONOMIC AND SOCIAL DEVELOPMENT**

World Road Association (PIARC) with its two technical committees; Technical Committee 2.3 dealing with Freight and Technical Committee 1.2, dealing with Planning Road Infrastructure and Transport to Economic and Social Development in collaboration with the Ministry of Works and Transport in Tanzania (MoWT) through Tanzania Roads Association (TARA) is organizing an International Seminar on **Sustainable Road Freight Transport for Economic and Social Development** at Arusha, Tanzania from 31<sup>st</sup> May 2023 to 02<sup>nd</sup> June 2023. More information about the Ministry of Works and Transport in Tanzania can be accessed at <https://www.mwt.go.tz/>

### **About PIARC**

PIARC is the World Road Association founded in 1909 as a non-profit, non-political Association with a goal of organising exchange of knowledge on all matters related to roads and road transport

### **PIARC's Key Missions are;**

- To be a leading international forum for analysis and discussion of the full spectrum of transport issues related to roads and related transport;
- Identify, develop, and disseminate best practice and give better access to international information;
- Consider within its activities the needs of developing countries and countries in transition fully; and
- Design, produce, and promote efficient tools for decision making on matters related to roads and related transport.

### **Technical Committee 2.3, Freight**

According to the PIARC Strategic Plan 2020-2023, the Technical Committee 2.3 “Freight” focuses on Best practices, monitoring and regulation to reduce overloading and associated pavement damage on road networks, greening of freight transport and application of emerging technologies on freight transport and logistics. In previous cycles also topics like truck management, freight corridor management, multimodal and intermodal freight and urban freight has been covered.

### **Technical Committee 1.2, Planning Road Infrastructure and Transport to Economic and Social Development**

Technical Committee 1.2 "Planning Road Infrastructure and Transport to Economic and Social Development" is to analyze the role of innovation in road planning. Other objectives are to analyze the area of transport studies and traffic models applied to freight transport, bimodal and multimodal, including the metropolitan context; and to review new approaches to the study of mobility of people and freight, based on the Internet, big data and other innovative sources of information. More information can be accessed at: <https://www.piarc.org/en/>

### **About TARA**

Tanzania Roads Association (TARA), which is also a National Committee of the World Road Association (PIARC) for Tanzania, is a non-governmental organization (NGO), non-political, non-profit and non-religious organization established on 5<sup>th</sup> July 1991 whose mission is *“to promote best practices in the planning, designing, construction, management and use of roads as well as appropriate measures to enhance safety, effectiveness and efficiency of road infrastructure through sharing of knowledge, experience, organizing trainings and demonstrative projects and programs that are environmentally friendly”*. For more information please visit: <https://www.tara.or.tz/>

### **SEMINAR OBJECTIVES**

The objectives of the seminar are to exchange knowledge and experiences, to present and share good practices and to discuss challenges and newest developments regarding Sustainable Road Freight Transport for Economic and Social Development.

## SEMINAR TOPICS

- Economic and social contribution of road freight transport system
- Sustainable mobility plans including freight
- Logistics facilities and intermodality hubs: Challenges and good solutions
- Freight corridors management and economic development
- Overloading detection and enforcement (including WIM)
- Impact of heavy good vehicles on road infrastructure
- Challenges and opportunities of urban freight
- Truck management and truck parking through ITS
- Greening Freight

## TARGETED AUDIENCE

The Seminar is targeted at Senior Officials and Chief Executives of Road Agencies/ Departments and Road Funds, freight transport operators, transport planners, freight transport agents, logistics experts, Consultants, service providers, road sector policy and decision makers, development partners, road users, and other interested parties, junior and middle level managers from government road agencies, contractors, consultants, researchers and academics, students, and other interested parties.

## LOCATION AND ACCESS

The Seminar will take place at the **Arusha International Conference Centre in Arusha, TANZANIA.** <https://www.aicc.co.tz/> which is the tourist hub of Tanzania, located north of the country. It is the gateway to the Northern tourist circuits including wildlife parks like Serengeti, Ngorongoro Crater, Tarangire, Lake Manyara and Mt. Kilimanjaro. Flights are therefore normally fully booked. So early flight booking is recommended



### Getting to Arusha:

Arusha is served by two airports. The Kilimanjaro International Airport (JRO) with daily international flights from different parts of the world is located approximately 40 km from Arusha. There is also a domestic Arusha Airport (ARK: domestic flights only) located within Arusha city. Participants who are flying via Julius Nyerere International Airport in Dar es Salaam may connect by a domestic flight to any of the two Airports.

## REGISTRATION AND FEES:

Prospective delegates to the International Seminar on Sustainable Road Freight Transport for Economic and Social Development are required to fill the **Registration Form** on the last page for each person attending and submit a separate registration form. Alternatively, prospective delegates may fill it then submit a scanned copy to the emails: [hbishanga@yahoo.com](mailto:hbishanga@yahoo.com), [aaawadh@yahoo.com](mailto:aaawadh@yahoo.com), [fabianlaurent05@gmail.com](mailto:fabianlaurent05@gmail.com) and [info@tara.or.tz](mailto:info@tara.or.tz)

The Registration Fees for attending the International Seminar on Sustainable Road Freight Transport for Economic and Social Development have been established as follows: -

<b>Event</b>	<b>Categories</b>	<b>Participation Fee</b>
International Seminar on Sustainable Road Freight Transport for Economic and Social Development	Foreign delegates	<b>US\$ 350</b>
	Tanzanian delegates	<b>Tshs. 800,000</b>

The indicated fee will cover the cost of venue, seminar material, meals and beverages, technical site visit and other organization cost. To facilitate proper planning and organization of logistics, prospective participants are encouraged to pay the Registration fee before **01<sup>st</sup> May, 2023**. **All payments should be made** by Bank Transfer to;

**TARA Project Account** as follows:

Account Name: **TARA Project Account**

Account Number: **0150 360 676 301**

Bank Name: **CRDB Bank PLC**

Branch Name: **Msasani**

Swift Code: **CORUTZTZ**

Bank Contact: Msasani Tower, Off Kimweri Drive, Dar es Salaam, Tanzania; Tel: +255 222923344;

Fax: +255 22 2923345;

- The bank transfer charges are fully paid by the participants.
- Ensure that the name of the participant and the Seminar are included as part of the remittance information.

### **CONFIRMATION OF REGISTRATION**

Registrations will be acknowledged in writing to the e-mail or other address mentioned in the registration form along with an invoice to facilitate payment of participation fees. A receipt will be issued for payment made. If you have not received confirmation within **7** days of submitting registration contact Tanzania Roads Association (TARA) at [info@tara.or.tz](mailto:info@tara.or.tz); with a copy to the Secretariat of the Organising Committee, Eng. Hagai Bishanga at [hbishanga@yahoo.com](mailto:hbishanga@yahoo.com), Eng. Abdul Awadhi at [aaawadh@yahoo.com](mailto:aaawadh@yahoo.com), and Eng. Laurent Athanas at [fabianlaurent05@gmail.com](mailto:fabianlaurent05@gmail.com) Mobile Phone; +255 754 362 157 or +255 789 242 112 or +255 753 246 763

### **CANCELLATION POLICY**

Delegates who after registering are unable to attend the seminar are welcome to nominate a substitute delegate. If there is no one that can be nominated as a substitute a refund of registration fees will be made if written advice is received by **01<sup>st</sup> May, 2023**. No refunds will be given after that date however; nominations for substitute delegates will continue to be accepted.

### **INFORMATION ON VISA AND HEALTH REQUIREMENTS**

For Visa requirements contact your local Tanzanian Embassy or visit the website of the Ministry of Home Affairs in Tanzania at [www.moha.go.tz](http://www.moha.go.tz). You are also required to fill the **Traveler's Health Surveillance Form** within 24 hours prior to arrival. Follow this link: <https://afyamsafiri.moh.go.tz/>. Once completed the traveler will receive a completion notification containing their **Unique Health Code (UHC)** which you will present to the Health Check Desk upon arrival in Tanzania.

### **SEMINAR LANGUAGE**

The official language of the International Seminar on Sustainable Road Freight Transport for Economic and Social Development will be English. No translation service will be provided.

## ACCOMMODATION

List of some hotels showing discounted rates offered to the Seminar participants

S/N	ROOM	HOTEL	NORMAL RATE	DISCOUNTED PRICE	CONTACT EMAIL/ LINK	MOBILE NO
1	Single room	Palace Hotel	\$ 140	\$ 80	<a href="mailto:marketing@palancehotelarusha.com">marketing@palancehotelarusha.com</a> About 0.4km. Please visit at <a href="http://www.palacehotel.com/">http://www.palacehotel.com/</a>	+255755706206 Bahati Shirima
2	Single	Kibo	\$ 180	\$ 126.80	<a href="mailto:sales@kibopalacehotel.com">sales@kibopalacehotel.com</a> About 1.2 km. <a href="https://kibopalacehotel.com/kibo-palace-hotel-arusha/">https://kibopalacehotel.com/kibo-palace-hotel-arusha/</a>	+255767118445 Irene Sisamo
	Double	Palace Hotel	\$ 200	\$ 150		
3	Single	Four Points	\$ 263	\$ 146.45	<a href="mailto:AFOM@FOURPOINTSTHEARUSHAHOTEL.COM">AFOM@FOURPOINTSTHEARUSHAHOTEL.COM</a> About 0.65km. <a href="https://www.marriott.com/en-us/hotels/jrofp-four-points-by-sheraton-arusha-the-arusha-hotel/overview/">https://www.marriott.com/en-us/hotels/jrofp-four-points-by-sheraton-arusha-the-arusha-hotel/overview/</a>	+255 27029707777
	Double		\$ 293	\$ 176.75		+255765428730
4	Single	SG RESORT	\$ 80	\$ 75	<a href="mailto:sales@sgresortz.com">sales@sgresortz.com</a> / <a href="mailto:reservartions@sgresortz.com">reservartions@sgresortz.com</a> About 3.9 km. <a href="https://sgresortz.com/">https://sgresortz.com/</a>	+255752888841 Nuru Makia
	Double		\$ 110	\$ 100		
5	Single	New Safaris Hotel	\$ 80	N/A	About 0.42km. <a href="https://newsafarhotel.com/">https://newsafarhotel.com/</a>	Nil
	Double		\$ 110			
6	Single	Equator Hotel	\$ 55	N/A	About 0.5 km. <a href="https://www.equator-hotel.com/tmp/">https://www.equator-hotel.com/tmp/</a>	Nil
	Double		\$ 75			
7	Single	Gran Melia	\$ 260	N/A	<a href="https://www.melia.com/en/hotels/tanzania/arusha/gran-melia-arusha">https://www.melia.com/en/hotels/tanzania/arusha/gran-melia-arusha</a> About 3.1 km	Nil
	Double		\$ 330			
8	Single	Mount Meru	\$ 145	N/A	About 1.3 km. <a href="https://www.mountmeruhotel.co.tz/">https://www.mountmeruhotel.co.tz/</a>	Nil
	Double		\$ 175			

## TECHNICAL SITE VISIT

The technical site visit on **One Stop Border Post (OSBP) Project** and **Kimokouwa Weighbridge Project at Namanga**, Arusha, the border between Tanzania and Kenya will take place on **Friday 2<sup>nd</sup> June 2023 from 14:00 to 17:00 Hours EAT**, whereby all delegates attending the PIARC International Seminar are invited to participate. The OSBP Project whose main objective is to facilitate trade and travel by reducing the number of stops made at a border crossing, thereby reducing the time required for clearance at the border, addressed the issues related to legal and institutional framework, facility and associated procedures that has enabled goods, people and vehicles to stop in a single facility in which they undergo necessary controls following applicable regional and national laws to exit one State and enter the adjoining State, resulting in minimizing routine activities and duplications across border.

The Kimokouwa Weighbridge Project located between Longido and Namanga road was implemented by the Government of the United Republic of Tanzania through its Agency TANROADS to control overloading along Arusha – Namanga road due to continuous undesirable overloading situation. It involved Construction Works, Supply, Installation, Commissioning and Provision of Operational training on two Brand New Weighbridge Scales and Weigh- In Motion Facility at Kimokouwa (Namanga) in Arusha Region. Construction of this Weighbridge has enabled TANROADS to exercise axle load control operations which in turn will safe guard the investment of roads along Arusha – Namanga road, and result in the road agency TANROADS utilizing less/little budget on maintaining the roads.

## ORGANIZING COMMITTEE:

No.	Name, Country and Organisation	Title
1	Joseph O. Haule (Tanzania) Chairperson – Tanzania Roads Association (TARA) PIARC Honorary Member	Chairperson
2	Fabio PASQUALI (Italy) Chair PIARC Technical Committee 1.2 Planning Road Infrastructure and Transport to Economic and Social Development	Co-Chairperson
3	Martin RUESCH (Switzerland) Chair PIARC Technical Committee 2.3 Freight	Co-Chairperson
4	Miguel CASO FLOREZ (Spain) PIARC Technical Director	Member
5	Bernard JACOB (France) French Secretary of PIARC Technical Committee 2.3 Freight	Member
6	Carlos SANTILLAN DOHERTY (Mexico) Spanish Secretary of PIARC Technical Committee 2.3 Freight	Member
7	Caroline A. MAYS (United States) Member of PIARC Technical Committee 2.3 Freight	Member
8	Tiffany JULIEN (United States) Corresponding member - English Secretary of PIARC Technical Committee 2.3 Freight	Member
9	Jorge Ignacio MONFORTE ALARCON (Mexico) PIARC Technical Advisor of Strategic Theme 1	Member
10	Jeayoun KIM (South Korea) PIARC Technical Advisor of Strategic Theme 2	Secretary
11	Eng. John Ngowi (Tanzania) Assistant Director of Roads, Ministry of Works and Transport	Member
12	Abdul A. Awadh (Tanzania) Executive Committee Member - TARA	Member
13	Eng. Hagai K. Bishanga (Tanzania) Honorary Secretary - TARA	Member
14	Aloyce Mhiliwa (Tanzania) Programme Officer - TARA	Member
15	Prof. Donath Mrawira (Tanzania) Chief Executive Officer of Canitan Engineering Group (T) limited and a Senior Partner of 4M Global Inc. of Canada	Member
16	Prof. David Mfinanga (Tanzania) Senior Lecturer, University of Dar es Salaam	Member

## Final Programme

### PIARC International Seminar on "Sustainable Road Freight Transport for Economic and Social Development"

**Day 1 – (31<sup>st</sup> May, 2023)**

8:30 - 9:00	<b>Registrations</b>	
9:00 - 10:00	<b>Opening session</b>	
	Welcoming word: Joseph Haule, Chair of Tanzanian Road Association (TARA), Tanzania	
	PIARC Institutional Presentation, Nazir Alli , PIARC President, South Africa	
	PIARC Technical Committee 1.2, Fabio Pasquali, Chair of TC 1.2, Italy	
	PIARC Technical Committee 2.3, Martin Ruesch, Chair of TC 2.3, Switzerland	
	Official opening: Hon. Professor Makame Mbarawa, Minister for Works and Transport, Tanzania	
10:00 - 10:30	Break	
10:30 - 12:30	<b>Session 1 - Economic and social contribution of road freight transport system</b>	
10:30 - 10:35	Introduction	Session chair: Prof Mark Zuidgeest, University of Cape Town, South Africa
10:35 - 10:55	Road Freight Transport Contribution in Tanzania Social and Economic Development	Severin M. A Kaombwe, Consultant infrastructure planning and management, Tanzania
10:55 - 11:15	Benefits and impacts of freight transport and road network development. Some perspectives from Finland	Taneli Antikainen, Finnish Transport Infrastructure Agency, Member of TC 2.3, Finland
11:15 - 11:35	Understanding costs and benefits of road freight traffic in the era of decarbonisation	Fabio Pasquali , Chair of TC 1.2, Italy
11:35 - 11:55	Economic Impact of Road Freight Transport in Texas, USA	Prof. Michael Bomba, University of North Texas, USA
11:55 - 12:25	Q&A and debate	
12:25 - 12:30	Conclusions	Session Chair: Prof Mark Zuidgeest
12:30 - 14:00	Lunch	
14:00 - 16:00	<b>Session 2 - Sustainable mobility plans including freight</b>	
14:00 - 14:05	Introduction	Session Chair: Patrick Grassl, Federal Ministry of Climate Action, Environment, Energy, Mobility, Innovation and Technology, Member of TC 2.3, Austria
14:05 - 14:25	Paradigm shift of trucking industry in Tanzania; Opportunities and Challenges	Johansen Kahatano, LATRA , Tanzania
14:25 - 14:45	Freight Transport in Swiss National Planning Instruments	Martin Ruesch, Rapp Ltd, Chair of TC 2.3, Switzerland
14:45 - 15:05	An Evidenced based approach to road freight sustainability: The case for South Africa and South Sudan	Prof. Jan Havenga, University of Stellenbosch, South Africa



15:05 - 15:25	Good move – freight in Brussels SUMP (Sustainable Urban Mobility Plan)	Hinko Van Geelen, Belgium Road Research Center, Member of TC 2.3 , Belgium
15:25 - 15:55	Q&A and debate	
15:55 - 16:00	Conclusions	Session Chair: Patrick Grassl, Member of TC 2.3, Austria
16:00 - 16:30	Break	
<b>16:30 - 17:30</b>	<b>Round table 1 - Multimodal Freight Transport Integration</b>	
	Moderator: Caroline Mays, United States, Member of TC 2.3	
	Panelist 1: Barton Willilo, Transport Economist & Managing Director STET International Limited, Tanzania	
	Panelist 2: Fabio Pasquali, Chair of TC1.2, Italy	
	Panelist 3: Carlos Santillàn-Doherty, Ciao, Member of TC 2.3, Mexico	

### Day 2 – (1<sup>st</sup> June, 2023)

<b>9:00 - 10:30</b>	<b>Session 3 - Freight corridors management and economic development</b>	
9:00 - 9:05	Introduction	Session Chair: Taneli Antikainen, Finnish Transport Infrastructure Agency, Member of TC 2.3, Finland
9:05 - 9:20	The Central Corridor and Economic Development	Mr. Faraji Yassin Kondo – Database Manager and Senior Officer, Central Corridor Transit Transport Facilitation Agency (CCTTFA), Tanzania
9:20 - 9:35	Innovative Approaches For Freight Corridor Management in Texas, USA	Caroline Mays, Texas Department of Transportation, Member of TC 2.3, USA
9:35 - 9:50	Transport corridors in Africa: design, financing and operating	Fabio Pasquali, Chair of TC1.2, Italy
9:50 - 10:05	Ideas for the planning of sustainable regional development, upon the governance and operation of its logistics corridors	Carlos Santillàn-Doherty, Ciao, Member of TC 2.3, Mexico
10:05 - 10:25	Q&A and debate	
10:25 - 10:30	Conclusions	Session Chair: Taneli Antikainen, Finland
10:30 - 11:00	Break	
<b>11:00 - 12:30</b>	<b>Session 4 - Overloading detection and enforcement (WIM),</b>	
11:00 - 11:05	Introduction	Session Chair : Prof. David Mfinanga, University of Dar es Salaam, Tanzania
11:05 - 11:20	Axle Load Control and Technology adopted to enforce the weighbridges operation in Tanzania	Eng. Leonard Mombia - Tanzania National Roads Agency (TANROADS), Tanzania
11:20 - 11:35	Evolving practices using data analysis and stakeholders involvement to find new ways of reducing overloading,	Olivier Quoy, Atlandes, Member of TC 2.3, France
11:35 - 11:50	Public Private Partnership Model of Weighbridge Operations in South Africa,	Layton Leseanne, SANRAL, Member of TC 2.3, South Africa
11:50 - 12:05	Use of WIM systems for direct enforcement	Bernard Jacob, Eiffel University of Paris, Member of TC 2.3, France
12:05 - 12:25	Q&A and debate	

12:25 - 12:30	Conclusions	Session Chair : Prof. David Mfinanga, Tanzania
12:30 - 14:00	Lunch	
<b>14:00 - 16:00</b>	<b>Session 5 - Impact of heavy good vehicles on road infrastructure</b>	
14:00 - 14:05	Introduction	Session Chair: Prof. Donath Mrawira - CEO of Canitan Engineering Group (T) Ltd, Tanzania
14:05 - 14:25	Traffic Load Appraisal for Structural Pavement Design. A case of Same-Mkumbara Road Section.	Eng. Mussa Mataka, Tanzania National Roads Agency (TANROADS) CML, Tanzania
14:25 - 14:45	Mitigation of large overloads and severe wear or collapses of bridges	Bernard Jacob, Eiffel University of Paris, Member of TC 2.3, France
14:45 - 15:05	European overview of freight traffic impact on road maintenance and development policies	Olivier Quoy, Atlandes, Member of TC2.3, France
15:05 - 15:25	Binational Cross-Border Oversize/Overweight (OS/OW) Assessment on the Texas, USA-Mexico Border	Jolanda Prozzi, Texas A&M Transportation Institute (TTI) , USA
15:25 - 15:55	Q&A and debate	
15:55 - 16:00	Conclusions	Session Chair : Prof. Donath Mrawira - Tanzania
16:00 - 16:30	Break	
<b>16:30 - 17:30</b>	<b>Round table 2 - Challenges and opportunities of Urban freight</b>	
	Moderator, Judith Owigar, UN - Habitat, Kenya	
	Panelist 1: Giliad Ngewe, Transport Management Expert, Tanzania	
	Panelist 2: Prof. Valerio Gatta, University of Roma Tre, Italy	
	Panelist 3: Hinko Van Geelen, Belgium Road Research Center, Member of TC2.3, Belgium	
	Panelist 4: Caroline Mays, Texas Department of Transportation, Member of TC 2.3, USA	

**Day 3 – (2<sup>nd</sup> June, 2023)**

<b>9:00 - 10:30</b>	<b>Session 6 Truck management and truck parking through ITS</b>	
9:00 - 9:05	Introduction	Session Chair : Michael S. Bomba, University of North Texas, USA
9:05 - 9:20	Video Based Truck Parking Availability System	Dr. Jacqueline Masaki, University of Dar es Salaam College of Engineering, Tanzania
9:20 - 9:35	Innovative Approaches for Characterizing Truck Parking Demand and Managing Truck Parking Capacity, USA	Jolanda Prozzi, Texas A&M TranspoTexas A&M Transportation Institute (TTI) , USA
9:35 - 9:50	Innovative Approaches to Truck Parking Management on German Motorways	Jens Dierke, Federal Highway Research Institute, Germany, Member of TC 2.3, Germany
9:50 - 10:05	How ITS can enable road transportation in Africa	John Rammutla, WSP, South Africa
10:05 - 10:25	Q&A and debate	
10:25 - 10:30	Conclusions	Session Chair: Michael S. Bomba, USA
10:30 - 11:00	Break	
<b>11:00 - 12:00</b>	<b>Round table 3 - Approaches for Greening Freight Transport</b>	

	Moderator: Hinko van Geelen, Belgium Road Research Center, Member of TC 2.3, Belgium
	Panelist 1: Dr. Esebi Alois Nyari, Dar es Salaam Institute of Technology (DIT), Tanzania
	Panelist 2: John Rammutla, WSP, South Africa
	Panelist 3: Judith Owigar, UN-Habitat, Kenya
<b>12:00 - 12:30</b>	<b>Closing session</b>
	PIARC Technical Committee 1.2, Fabio Pasquali, Chair of TC 1.2, Italy
	PIARC Technical Committee 2.3 Freight, Martin Ruesch, Chair of TC 2.3, Switzerland
	Permanent Secretary, Ministry of Works and Transport (MOWT) (Works) - Closing Remarks, Tanzania
12:30 - 13:30	Lunch
14:00 - 18:00	<b>Technical Visit to One Stop Border Post Project and Kimokouwa Weighbridge Project at Namanga, Arusha</b>

### Technical Site Visit Programme – 2<sup>nd</sup> June, 2023

Time	Event	Responsible
<b>13:30 – 14:00</b>	Boarding to the Buses	
<b>14:00 – 15:30</b>	Moving from AICC to Kimokouwa Weighbridge Project	
<b>15:30 – 16:30</b>	Presentations and Discussions at Kimokouwa Weighbridge Project	
<b>16:30 – 17:00</b>	Moving from Kimokouwa Weighbridge Project to One Stop Border Post Project	
<b>17:00 – 18:00</b>	Presentations and Discussions at One Stop Border Post Project	
<b>18:00 – 19:00</b>	Moving back from One Stop Border Post Project to AICC	



The Ministry of Works and  
Transport, Tanzania



World Roads Association  
(PIARC)



Tanzania Roads Association  
(TARA)

## REGISTRATION FORM

### INTERNATIONAL SEMINAR ON SUSTAINABLE ROAD FREIGHT TRANSPORT FOR ECONOMIC AND SOCIAL DEVELOPMENT

31<sup>ST</sup> MAY – 02<sup>ND</sup> JUNE 2023

ARUSHA INTERNATIONAL CONFERENCE CENTRE (AICC), ARUSHA,  
TANZANIA

#### Registration Details

Full Name:	
Title:	
Organization:	
Country:	
Address:	
Phone Number:	
Fax:	
E-mail:	

#### Please return completed form to:

Organising Committee at [info@tara.or.tz](mailto:info@tara.or.tz); with a copy to [hbishanga@yahoo.com](mailto:hbishanga@yahoo.com),  
[aaawadh@yahoo.com](mailto:aaawadh@yahoo.com) and [fabianlaurent05@gmail.com](mailto:fabianlaurent05@gmail.com) Mobile Phone; +255 754 362 157 or +255  
789 242 112 or +255 753 246 763.