





World Roads Association (PIARC)



Tanzania Roads Association (TARA)

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

### SECOND ANNOUNCEMENT



 $31^{st}\,May - 02^{nd}\,JUNE\,\,2023$  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 <a href="https://www.mwt.go.tz/">https://www.mwt.go.tz/</a>

#### **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: <a href="https://www.piarc.org/en/">https://www.piarc.org/en/</a>

#### **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: <a href="https://www.tara.or.tz/">https://www.tara.or.tz/</a>

#### **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. <a href="https://www.aicc.co.tz/">https://www.aicc.co.tz/</a> 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, aaawadh@yahoo.com, fabianlaurent05@gmail.com and 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: -

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

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 <a href="mailto:info@tara.or.tz">info@tara.or.tz</a>; with a copy to the Secretariat of the Organising Committee, Eng. Hagai Bishanga at <a href="mailto:hbishanga@yahoo.com">hbishanga@yahoo.com</a>, Eng. Abdul Awadhi at <a href="mailto:aaawadh@yahoo.com">aaawadh@yahoo.com</a>, and Eng. Laurent Athanas at <a href="mailto:fabianlaurent05@gmail.com">fabianlaurent05@gmail.com</a> 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 ofHome Affairs in Tanzania at <a href="www.moha.go.tz">www.moha.go.tz</a>. You are also required to fill the Traveler's Health Surveillance Form within 24 hours prior to arrival. Follow this link: <a href="https://afyamsafiri.moh.go.tz">https://afyamsafiri.moh.go.tz</a>. Once completed the traveler will receive a completion notification containing their Unique Health Code (UHC) which you will present to the Heath 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 servicewill be provided.

#### **ACCOMMODATION**

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

S/N	ROOM	HOTEL	NORMAL	DISCOUNTED	ED   CONTACT EMAIL/ LINK   N	
			RATE	PRICE		
1	Single	Palace	\$ 140	\$ 80	marketing@palancehotelarusha.com	+255755706206
	room	Hotel			About 0.4km. Please visit at <a href="http://www.palacehotel.com/">http://www.palacehotel.com/</a>	Bahati Shirima
2	Single	Kibo	\$ 180	\$ 126.80	sales@kibopalacehotel.com	+255767118445
	Double	Palace	\$ 200	\$ 150	About 1.2 km. <a href="https://kibopalacehotel.com/kibo-palace-hotel-arusha/">https://kibopalacehotel.com/kibo-palace-hotel-arusha/</a>	Irene Sisamo
		Hotel				
3	Single	Four	\$ 263	\$ 146.45	AFOM@FOURPOINTSTHEARUSHAHOTEL.COM	+255
		Points			About 0.65km. <a href="https://www.marriott.com/en-">https://www.marriott.com/en-</a>	27029707777
	Double		\$ 293	\$ 176.75	us/hotels/jrofp-four-points-by-sheraton-arusha-the-arusha-	+255765428730
					hotel/overview/	
4	Single	SG	\$ 80	\$ 75	sales@sgresorttz.com / reservartions@sgresorttz.com	+255752888841
	Dl.1.	RESORT	¢ 110	¢ 100	About 3.9 km. <a href="https://sgresorttz.com/">https://sgresorttz.com/</a>	Nuru Makia
	Double		\$ 110	\$ 100		
5	Single	New Safaris	\$ 80	N/A	About 0.42km. <a href="https://newsafarihotel.com/">https://newsafarihotel.com/</a>	Nil
	Double	Hotel	\$ 110			
6	Single	Equator	\$ 55	N/A	About 0.5 km. <a href="https://www.equator-hotel.com/tmp/">https://www.equator-hotel.com/tmp/</a>	Nil
	Double	Hotel	\$ 75			
7	Single	Gran Melia	\$ 260	N/A	https://www.melia.com/en/hotels/tanzania/arusha/gran-melia-	Nil
	Double		\$ 330		arusha About 3.1 km	
8	Single	Mount	\$ 145	N/A	About 1.3 km. https://www.mountmeruhotel.co.tz/	Nil
	Double	Meru	\$ 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
	Chairperson – Tanzania Roads Association (TARA)	
	PIARC Honorary Member	
2	Fabio PASQUALI (Italy)	Co-Chairperson
	Chair PIARC Technical Committee 1.2 Planning Road	
	Infrastructure and Transport to Economic and Social Development	
3	Martin RUESCH (Switzerland)	Co-Chairperson
	Chair PIARC Technical Committee 2.3 Freight	
4	Miguel CASO FLOREZ (Spain)	Member
	PIARC Technical Director	
5	Bernard JACOB (France)	Member
	French Secretary of PIARC Technical Committee 2.3 Freight	
6	Carlos SANTILLAN DOHERTY (Mexico)	Member
	Spanish Secretary of PIARC Technical Committee 2.3 Freight	
7	Caroline A. MAYS (United States)	Member
	Member of PIARC Technical Committee 2.3 Freight	3.5 1
8	Tiffany JULIEN (United States)	Member
	Corresponding member - English Secretary of PIARC	
Δ.	Technical Committee 2.3 Freight	M1
9	Jorge Ignacio MONFORTE ALARCON (Mexico)	Member
10	PIARC Technical Advisor of Strategic Theme 1	Camatany
10	Jeayoun KIM (South Korea) PIARC Technical Advisor of Strategic Theme 2	Secretary
11	Eng. John Ngowi (Tanzania)	Member
11	Assistant Director of Roads, Ministry of Works and Transport	Wiemoei
12	Abdul A. Awadh (Tanzania)	Member
12	Executive Committee Member - TARA	Wiember
13	Eng. Hagai K. Bishanga (Tanzania)	Member
	Honorary Secretary - TARA	Wichitect
14	Aloyce Mhiliwa (Tanzania)	Member
	Programme Officer - TARA	×
15	Prof. Donath Mrawira (Tanzania)	Member
	Chief Executive Officer of Canitan Engineering Group (T)	
	limited and a Senior Partner of 4M Global Inc. of Canada	
16	Prof. David Mfinanga (Tanzania)	Member
	Senior Lecturer, University of Dar es Salaam	

## Programme for the International Seminar "Sustainable Road Freight Transport for economic and social development" Day 1

8:30 - 9:00	Day 1  Registration			
9:00 - 10:00	Opening session			
7.00 - 10.00	Welcoming word: Joseph Haule, Chair of Tanzanian Road Association (TARA), Tanzania			
	PIARC institutional presentation, Patrick Mallejacq, PIARC Secretary General, France			
	PIARC Technical Committee 1.2 Planning Road Infrastructure and Transport to Econo			
	PIARC Technical Committee 2.3 Freight, Martin Ruesch, Chair of TC 2.3, Switze	* * * * * * * * * * * * * * * * * * *		
	Official opening: Hon. Professor Makame Mbarawa, Minister for Works and Tran			
10:00 - 10:30	Break			
10:30 - 12:30	Session 1 - Economic and social contribution	n of road freight transport system		
10:30 - 10:35	Introduction	Session chair: Eng. Dr. Andrew Naimanye, Executive Director of Uganda Road Fund and Vice President of African Road Maintenance Funds Association, Uganda		
10:35 - 10:55	Road Freight Transport Contribution in Tanzania Social and Economic Development	Smac 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: Eng. Dr. Andrew Naimanye		
12:30 - 14:00	Lunch			
14:00 - 16:00	Session 2 - Sustainable mobility J			
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				
15:55 - 16:00				
16:00 - 16:30	Break			
16:30 - 17:30	Round table 1 - Multimodal Freight Transport Integration			
	Moderator: Caroline Mays, United S	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					
9:00 - 10:30	Session 3 - Freight corridors management and economic development				
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	Dr. Okandju Okonge - Executive Secretary, 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				
11:00 - 12:30	Session 4 - Overloading detection	and enforcement (WIM),			
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. Mussa Kashinde - Ministry of Works and Transport (MOWT), 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				
14:00 - 16:00	Session 5 - Impact of heavy good vel	hicles on road infrastructure			
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			
16:30 - 17:30	Round table 2 - Challenges and opportunities of Urban freight			
	Moderator, Judith Owigar, UN - Habitat, Kenya			
	Panelist 1: Giliad Ngewe, Transport Management Expert, Tanzania			
	Panelist 2: TC 1.2			
	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

9:00 - 10:30	Session 6 Truck management and truck parking through ITS		
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		
11:00 - 12:00	Round table 3 - Approaches for Greening Freight Transport		
	Moderator: Hinko van Geelen, Belgium Road Research Center, Member of TC 2.3, Belgium		
	Panelist 1: Dr. Esebi Alois Nyari, DarDar es Salaam Institute of Technology (DIT), Tanzania Panelist 2: John Rammutla, WSP, South Africa Panelist 4: Judith Owigar, UN-Habitat, Kenya		
12:00 - 12:30	Closing session		
	PIARC Technical Committee 1.2 Planning Road Infrastructure and Transport to Economic and Social Development, 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 - 14:00	Lunch		
14:00 - 18:00	Technical Visit to One Stop Border Post Project and Kimokouwa Weighbridge Project at Namanga, Arusha		







### **REGISTRATION FORM**

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

 $31^{ST} MAY - 02^{ND} JUNE 2023$ 

# 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 <a href="mailto:info@tara.or.tz">info@tara.or.tz</a>; with a copy to <a href="https://hbishanga@yahoo.com">hbishanga@yahoo.com</a>, <a href="mailto:aaawadh@yahoo.com">aaawadh@yahoo.com</a> and <a href="mailto:fabianlaurent05@gmail.com">fabianlaurent05@gmail.com</a> Mobile Phone; +255 754 362 157 or +255 789 242 112 or +255 753 246 763.