

ENGLISH



INTERNATIONAL SEMINAR

SEPTEMBER 26TH -28TH, 2022 - HILTON BUENOS AIRES HOTEL

*Building Smart Approaches for Freight,
Road Network Operations and
ITS Technology*



ORGANIZED BY



CO-ORGANIZERS





1. SCHEDULE OF PIARC INTERNATIONAL SEMINARS

PIARC (World Road Association) is a non-profit, non-political association, whose mission is to organize forums, promote good practices and efficient tools in order to assist and support decision makers in the field of road infrastructure and transport. Since 1999 PIARC has been conducting a program of international seminars that strengthens its global presence, its ability to respond to the needs of developing countries and those in transition, and promotes the results of the work of the association more widely in these countries.

2. TECHNICAL COMMITTEE 2.3: FREIGHT

Technical Committee 2.3 “Freight” focuses on vehicle overloading and its related consequences. Since road freight transport heavily depends on fossil fuel, this Technical Committee investigates the strategies and measures to reduce greenhouse gas emissions of road freight transport, taking into account the potential of new technologies in the logistics and transport services of goods.

Objectives:

- **2.3.1.** Find and spread the best practices to monitor, regulate and reduce the overload and damage associated with infrastructure in road networks
- **2.3.2.** Achieve a greener freight transport
- **2.3.3.** Study the application of emerging technologies in freight transport and logistics

3. TECHNICAL COMMITTEE 2.4: ROAD NETWORK OPERATION – INTELLIGENT TRANSPORTATION SYSTEMS

The capacity of the road network is not fully exploited, since traffic demand is concentrated only on small sections of the whole network. Technical **Committee 2.4** focuses on how new mobility, new technologies and digitalization are incorporated into the operation of road networks. This Technical Committee investigates the concept of **Mobility as a Service (MaaS)**. It also works on updating the RNO / ITS Manual.

On the other hand, there are issues that are common to the vast majority of the Technical Committees, such as mobility between urban and rural areas or data based solutions.

Objectives:

- **2.4.1.** Find opportunities for new forms of mobility in the operation of the road network
- **2.4.2.** Optimize the decision making process related to the operation of the road network through the implementation of new technologies and digitalization
- **2.4.3.** Share the knowledge of RNO/ITS through PIARC online resources



4. 4. OBJECTIVES OF THE SEMINAR

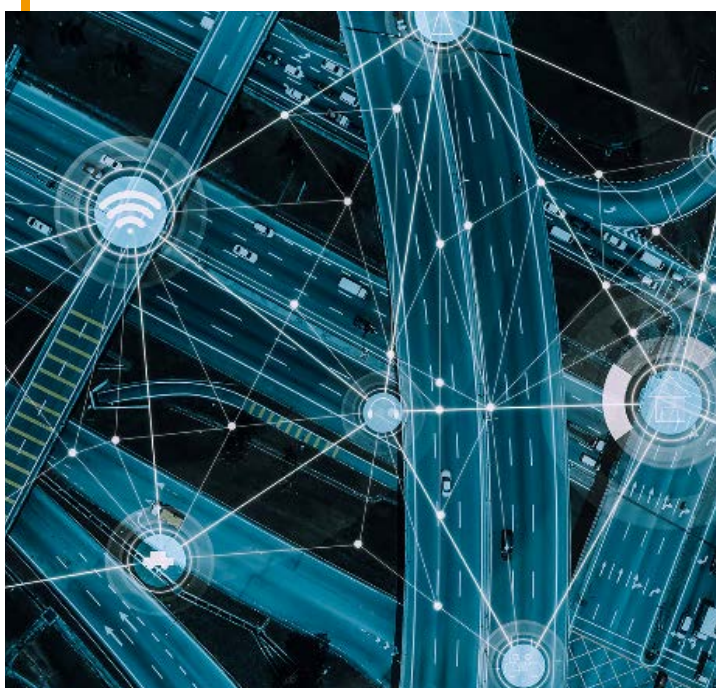
The objectives are to disseminate and debate those issues and best practices related to freight, road network operations and ITS technologies, such as: detection of overloads, compliance, performance standards, heavy duty vehicles, cargo management within and around cities, and freight carbon neutrality, including electrical systems and emerging technologies in freight and logistics.

On the other hand, there will be a debate and knowledge sharing on the role of road operators in the development of MaaS (Mobility as a Service), electromobility, ITS and C-ITS worldwide and data.

Finally, there will be a discussion on topics such as smart infrastructures, road safety, truck management in international and national corridors, border crossing, multimodal transport, parking lots and supply chain, needs of freight drivers and the connectivity of truck fleets (both independent or connected) through ITS technology. Topics and papers cover the work period between January 2020 and October 2023.

5. WHO IS THE SEMINAR ADDRESSED TO?

PIARC International **Seminar Building Smart Approaches for Freight, Road Network Operations and ITS Technology** is addressed to government authorities and administrations; private providers of technical and technological products, systems and services; officers and leaders in charge of roads, highways, transit, logistics and road safety; engineers and consultants; freight carriers; administrators of road networks; control and technical assistance authorities; local and international academics, researchers and students of engineering courses; world experts in other fields of experience related to the aforementioned topics.



6. GENERAL INFORMATION AND VENUE OF THE SEMINAR

The seminar will take place from **September 26th to September 28th, 2022**, in the **city of Buenos Aires**, capital of the Argentine Republic. Argentina is a sovereign country located in South America, bordering Bolivia, Brazil, Chile, Paraguay and Uruguay. Its maritime border is the Atlantic Ocean. The surface area of Argentina is 2,780,400 km². It is an extraordinary tourist destination due to its innumerable cultural expressions and the climatic and landscape diversity of its geographical areas.



7. SESSIONS AND LANGUAGES OF THE SEMINAR

The seminar will be organized in several sessions and will address various topics included in the preliminary program. Panels will take place during the three days of the seminar. Each session will include several presentations from members of Technical Committees 2.3 and 2.4, as well as from local and international experts. At the end of each session, there will be a debate in order to discuss the different topics covered in the presentations. **The official languages of the seminar will be Spanish and English, with simultaneous translation offered.**



8. PRELIMINARY PROGRAM

The sessions of the seminar will be organized according to the following preliminary schedule:

- **F1.** Performance based standards, heavy duty vehicles and Intelligent Access Program.
- **F2.** Towards road freight decarbonization (including Electrical Road Systems).
- **F.3.** Cargo management within and around cities.
- **F4.** Detection and control of overweight through Dynamic Weighing, regulations and best practices.
- **I1.** The role of road operators in the development of the concept of Mobility as a Service.
- **I2.** C-ITS: Collaborative Intelligent Transport Systems worldwide.
- **I3.** Data as facilitators of road operators and C-ITS.
- **I4.** Best practices for sharing and refining knowledge on new ITS technologies and capabilities.
- **FI1.** Autonomous and connected trucks; platoons and ITS.
- **FI2.** How can road operators address the needs of freight drivers through ITS?
- **FI3.** ITS for truck management in national and international corridors.
- **FI4.** Smart infrastructure and road safety.

REFERENCES:

F: Transport sessions (F1 - F4)

I: ITS sessions (I1 - I4)

FI: Transport + ITS sessions (FI1 - FI4)



9. ORGANIZATION COMMITTEE

- **Miguel CASO FLOREZ** (*España*)
PIARC Technical Director
- **Martín RUESCH** (*Switzerland*)
Chair of Technical Committee 2.3, Freight
- **Valentina GALASSO** (*Italy*)
Chair of Technical Committee 2.4, Road Network Operation – Intelligent Transportation Systems
- **Jeayoun KIM** (*Republica of Korea*)
PIARC Seminar Coordinator
- **Silvia SUDOL** (*Argentina*)
Technical Committee 2.3, Freight
- **Daniel RUSSOMANNO** (*Argentina*)
Secretary of Technical Committee 2.4 (Spanish), Road Network Operation – Intelligent Transport Systems
- **Nicolás BERRETTA** (*Argentina*)
President of Argentine Road Association

10. TECHNICAL COMMITTEE

- **Miguel CASO FLOREZ** (*España*)
PIARC Technical Director
- **Martín RUESCH** (*Switzerland*)
Chair of Technical Committee 2.3, Freight
- **Valentina GALASSO** (*Italy*)
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- **Jeayoun KIM** (*Republica of Korea*)
PIARC Seminar Coordinator
- **Silvia SUDOL** (*Argentina*)
Technical Committee 2.3, Freight
- **Tiffany JULIEN** (*United States*)
Secretary of Technical Committee 2.3 (English), Freight
- **Bernard JACOB** (*France*)
Secretary of Technical Committee 2.3 (French), Freight
- **Carlos SANTILLAN DOHERTY** (*Mexico*)
Secretary of Technical Committee 2.3 (Spanish), Freight
- **Daniel RUSSOMANNO** (*Argentina*)
Secretary of Technical Committee 2.4 (Spanish), Road Network Operation – Intelligent Transportation Systems
- **James ELLIOT** (*United States*)
Secretary of Technical Committee 2.4 (English), Road Network Operation – Intelligent Transportation Systems
- **Kaouther MACHTA** (*Tunisia*)
Secretary of Technical Committee 2.4 (French), Road Network Operation – Intelligent Transportation Systems



GENERAL INFORMATION

VENUE: HILTON BUENOS AIRES HOTEL

Macacha Güemes 351
Ciudad de Buenos Aires, Argentina

www.congresodevialidad.org.ar/centro.php



Hilton Buenos Aires Hotel offers single rooms for a daily rate of usd 229, including breakfast.

For reservations contact:

✉ **Federico Andreon** fandreon@aacarreteras.org.ar o **Hernán Ramirez** hramirez@aacarreteras.org.ar

HOTEL LIST - PIARC SEMINAR 2022

Hotel	Address	Web
HOTEL EMPERADOR	Av. del Libertador 420,CABA	www.hotel-emperador.com.ar/es
MELIA BUENOS AIRES	Reconquista 945, C1003ABS CABA	www.melia.com/es/hoteles/argentina
NH CITY	Bolívar 160, CABA	www.nh-hoteles.es/hotel/nh-buenos-aires-city
HOTEL INTERSUR RECOLETA	Av. Callao 1764, CABA	www.intersurrecoleta.com.ar/es/



TRAVEL AND TRANSPORTATION

The city of Buenos Aires is well linked to the rest of the world through the **Ministro Pistarini International Airport (Ezeiza)**.

There are plenty of affordable taxi and transportation services to the city center, as well as online taxi apps.

WEATHER

The weather is very pleasant in September in Buenos Aires. Temperature ranges from 15 to 25°C.



CONDICIONES DE ENTRADA AL AL TERRITORIO ARGENTINO

With reference to **COVID-19**, the conditions currently imposed for those who enter Argentine territory are the following: :

Foreigners who are not residents of Argentina must:

- Submit an electronic sworn statement within 48 hours before departure confirming vaccination status and absence of COVID-19 symptoms.
- Provide evidence of medical travel insurance that includes hospitalization, quarantine, and transportation coverage for COVID-19.

For further information, visit:

www.argentina.gob.ar/interior/migraciones/ddjj-migraciones

VISAS

For detailed information on immigration procedures and requirements, please contact your embassy or consular office.

Click on the following link in order to check whether you need a valid visa to enter Argentina:

www.migraciones.gov.ar/accesible/indexdnm.php?visas



REGISTRATION FEE

PIARC International Seminar "Building Smart Approaches for Freight, Road Network Operations and ITS Technologies" will be held within the XVIII Argentine Congress of Road Administration and Traffic. Click on the following link for registration:

www.congresodevialidad.org.ar/inscripcion.php

Members of PIARC Technical Committees 2.3 and 2.4 will be pre-registered free.



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