

# International Conference

## “Intelligent Road Assets Management: Innovation and Technology for Infrastructure Management”

### 2nd Announcement

May 27, 28 and 29, 2026

CAF Auditorium (Ciudadela 1235, Montevideo - Uruguay)

## Program

### Day 1 - May 27

**8:30-9:00** Venue Open and Registration Start

#### **9:00-9:30 Opening session**

- Official Opening Remarks - Gabriel Abraham (President of Uruguay Road Association)
- Welcoming Word from Host Country 2 - Miguel Angel Ostos (CAF Representative in Uruguay)
- Institutional Presentation of PIARC - Miguel Caso Flores (Technical Director, PIARC General Secretariat)
- Introduction from PIARC Technical Committee 3.3 - Gerardo Flintsch (Chair of TC 3.3, USA)
- Official Opening from Host Country - Lucia Etcheverry (Minister of Transportation and Public Works)

#### **9:30-11:00 Session 1 - Innovative Data Collection**

- Innovative Application in Data Analysis for Pavement Management - Fernando Varela Soto, TC 3.3 (Spain)
- Measurement of functional and structural parameters with mobile mapping systems - Liber Cella, Santiago García (DNV - Uruguay)
- Advancing Continuous Evaluation: A YOLOv11 Segmentation Approach for Mobile Mapping Systems - Wilmar Dario Fernandez
- New advances for road assessment using multi-sensor mobile equipment - Luciana Montero, Gonzalo Russo, Juan Martín Álvarez de Ron, Teresa Aisemberg, Emiliano Gómez, Felipe Pino, Florencia Fros (DNV/CSI - Uruguay)
- Q&A and debate / Conclusions by the session chair

#### **11:00 - 11:30 Coffee Break**

#### **11:30 - 13:00 Session 2 - Decision and Support Tools**

- How to obtain and use BIM in Asset Management? - Rade Hajdin (Switzerland)
- Sensitivity Analysis on Input Parameters for HDM 4 Use in Rural Roads - Manuel Arquero, Matias Gutiérrez, Luis Ceiter (UDELAR - Uruguay)
- From bridge inspector to asset manager – an organizational journey driven by digitalization - Christian Honeger (Austria)
- Bridge inspection with unmanned aerial vehicles - Ramiro Alonso, Marco Pérez, Gonzalo Pioli (CSI - Uruguay)
- Q&A and debate / Conclusions by the session chair

# Program

## 13:00 - 14:00 Lunch Break

## 14:00 - 15:30 Session 3 - Case Studies

- A Successful Transition to Intelligent Road Asset Management in Chile - Miguel Valdés Flores
- Network-level structural evaluation of pavements with traffic speed defelctometers. Brazilian Federal Network Case} Study - Martín Scavone (ARRB - USA)
- Strategy to implement AI and Data Science (DS) solutions to facilitate 5D Logistics (synchomodal, productive, functional, environmental, and digital) in the High Strategic Value Logistics Corridors (CLAVEs) of Latin America and the Caribbean (LAC) - Rafael Farromeque, Javier Parysow (CAF)
- Q&A and debate / Conclusions by the session chair

## 15:30 - 16:00 Coffee Break

**16:00 - 17:15 Panel Discussion 1** - Application of asset management in Latin America and beyond: challenges and opportunities

## 17:15 - 17:30 Closing - Day 1

## Day 2 - May 28

## 9:00-11:00 Session 4 - Decision and Support Tools - Part 2

- CREMA 360 Evolution of Level of Service Contracts towards Integrated Road Asset Management Systems in Latin America - Yerko Eterovic (CAF, Panamá)
- Maintenance Contract Management System - Mathías González (MTOPI DNV - Uruguay)
- Data as an Asset: Taking Ownership, Backing Systems, and Moving Forward - Paul GECK, TC 3.3 (New Zealand)
- Intelligent road asset management of using the SEFACE decision model for the prioritization of interventions - Pablo del Aguila (Camineros Consulting Engineers, LLC - USA)
- Advanced Road Infrastructure Management: High- Integration of high-Performance Systems and Artificial Intelligence - Álvaro López, Gonzalo Cánepa, José Cantero (CDS Ingenieros - Uruguay)
- Q&A and debate / Conclusions by the session chair

## 11:00 - 11:30 Coffee Break

## 11:30 - 13:00 Session 5 - Strategic Approaches

- Towards a 20-Year Road Strategy in Argentina: the key role of Road Asset Management and the transformative impact of Artificial Intelligence - Gustavo Mezzelani, TC 3.3 (ITYAC - Argentina)
- EVALPAV NETWORK: BIM 7D-GIS-ECD-IA Integrated Platform as a Decision Tool for the Intelligent Management of Road Assets - Gerber Josaffat Zavala Ascaño, Edward Paúl Espinoza Mejía (INFRAVIAL - Perú)
- Road Asset Mangement 5.0 - Gerardo Flintsch, TC 3.3 (USA)
- TRANSPORTING: A Institutional Capacity Benchmarking Tool for Road Investment and Regulation of Land Transportation Services - Andres Pereyra (BID - Uruguay)
- Q&A and debate / Conclusions by the session chair

# Program

## 13:00 - 14:00 Lunch Break

## 14:00 - 15:30 Session 6 - Case Studies

- National network for the control of weights, dimensions and documentation of cargo transportation in Uruguay: generating reliable data for intelligent road asset management - Diego Coiro, Fernando Bacigalupo, Wilman Pison (DNT, CIEMSA - Uruguay)
- Experiences and differences during pavement structural evaluation and residual life - Carol Bockelmann Campo, TC3.3 (Colombia)
- Evolution and Performance of Maintenance Contracts in Uruguay - Valentina Alanis, Natalia Guidotti (DNV - Uruguay)
- Q&A and debate / Conclusions by the session chair

## 15:30 - 16:00 Coffee Break

## 16:00 - 17:10 Panel Discussion 2 - Road sensors and digitalization, cost or investment?

## 17:10 - 17:30 Closing Session

## Technical Visit

### Day 3 - May 29

#### 9:00 - 12:00

Visit to the MTOP Intelligent Transit Systems Center

Exhibition of road asset surveying equipment

DNV asset management system presentation

## Registration and Fees

General registration (all countries): USD 135

AUC / AAC / APC / PIARC members: USD 110

AUC student members: USD 65

**Online registration at [www.auc.com.uy](http://www.auc.com.uy)**

## PIARC – World Road Association

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. The Association now boasts 128 government members worldwide and retains consultative status with the Economic and Social Council of the United Nations. For more information, please visit the official website: <https://www.piarc.org/>

PIARC's Key Missions are:

- being a leading international forum for analysis and discussion of the full spectrum of transport issues related to roads and related transport
- identifying, developing, and disseminating best practices and giving better access to international information
- fully considering within its activities the needs of developing countries and countries in transition
- developing and promoting efficient tools for decision making on matters related to roads and road transport.

## PIARC Technical Committee 3.3 “Asset Management”

PIARC Technical Committee 3.3 is looking to further improve the collective understanding of asset management with a view to more effective management of assets to optimise asset performance. The first stream of work will investigate how digital technologies can improve an asset manager's understanding of the asset base, its condition and its predicted performance. The second stream of work will continue to build upon the body of knowledge on the use of risk and resilience analysis metrics. The third stream of work will look to identify successful approaches for the renewal and rejuvenation of ageing infrastructure. Where relevant, case studies developed through the aforementioned work streams will be incorporated within updates to the Road Asset Management Manual. TC3.3 is also aiming to organise an international conference for road asset management to share learnings from the committee's work activities.

3.3.1 Leveraging Technology to Improve Asset Management Practice

3.3.2 Measures for reducing risks and improving the resilience of road networks

3.3.3 Renewal and rejuvenation of aging infrastructure

3.3.4 Update the content of the Road Asset Management Manual

## AUC - Uruguayan Road Association

The Uruguayan Road Association is a civil association that brings together all members of society connected to the road and transportation sector, providing a defined space to present, discuss, and develop topics of common interest. Among its objectives are:

- Promote the development and improvement of roads and road transportation.
- Collaborate with national authorities in the preparation and coordination of plans related to the design, construction, and maintenance of roads.
- Cooperate in the promotion, coordination, and organization of national and international road congresses, symposiums, conferences, and seminars, and to participate in them.
- Encourage research and study of road-related and associated topics through competitions, awards, scholarships, research support, and advanced training courses.

It currently has more than 400 members, including companies, professionals, assistants, and students.

[www.auc.com.uy](http://www.auc.com.uy)

## DNV - National Directorate of Highways

The National Directorate of Highways is responsible for managing, planning, executing, and supervising roadworks and road infrastructure across the entire national road network, promoting, encouraging, and establishing quality standards and specifications for the required inputs for road maintenance and the construction of new works. Among its objectives are:

- Participate in advising on policies for the development of the road sector.
- Institutionalize the use of planning systems, road network maintenance management, and traffic management.
- Oversee the execution of new works and road maintenance, either directly or through third parties.
- Analyze and report on sources of financing for the execution of public works.
- Supervise different types of consultancy contracts, as well as maintenance contracts and those for the construction or concession of new works.
- Participate in establishing the regulations required for the proper installation of public services above and below national highways.
- Advise on regulations regarding the placement of signage and advertising on national highways.
- Promote the execution of all legal acts arising from current legislation related to public works, public works concessions, and public administration contracts.
- Coordinate with Departmental Governments in the study, design, construction, conservation, signage, and lighting of departmental roads and urban streets.

[www.gub.uy/ministerio-transporte-obras-publicas/vialidad](http://www.gub.uy/ministerio-transporte-obras-publicas/vialidad)