

**4<sup>th</sup> INTERNATIONAL CONFERENCE ON ASPHALT 4.0***24-25 September 2025**Meeting Place**Calle Orense, 34 Madrid, Spain*

## Latest digital trends in the asphalt paving sector

The Spanish Asphalt Pavement Association (Asefma), in collaboration with the Slovenian Asphalt Pavement Association (ZAS) and with the support of EAPA, is pleased to announce the 4th International Conference on Asphalt 4.0 (ICA 4.0), which will be held at the Business Center Meeting Place in Madrid, see <https://ica4point0.com>

The fourth edition of the International Conference on Asphalt 4.0 will take place on September 24 and 25 2025 in Madrid. It will be held in-person, digitally and virtually, in a PDV format, as in previous editions.

This edition will feature a monograph developed by Asefma, offering an overview of the current state of digitalization in Spain's asphalt paving sector, illustrated with specific examples.

A similar document from EAPA, which is practically finalized, will also be presented. This is therefore an excellent opportunity to learn firsthand which programme, companies and technologies are driving this major change—digitalization—in the asphalt paving sector.

The technical programme has been structured around seven sessions that will review a series of stages of maximum interest: the impact of digitalization on decarbonization, the consequences of Asphalt 4.0 on the productivity of asphalt paving, the development of digital platforms for road administrations, the consequences for the durability of pavements, the digitalization for monitoring the state of maintenance of roads, etc. Many of these sessions will feature a debate or round table, open to the public, in which a series of specialists will participate.

In addition, as in previous editions, a series of open-access presentations will be presented in a special session or as part of selected sessions. This will provide an insight into the level of development, experiences gained, and the latest innovations.

The Asphalt 4.0 Conference will not only cover asphalt-specific topics, but also broader subjects related to asphalt roads and transport infrastructure. These include E-mobility, Intelligent Transport Systems (ITS), and cutting-edge technologies such as Blockchain, Digital Twins, Artificial Intelligence (AI), and more.

Recognizing the value of corporate participation, we are offering two sponsorship options: Major Sponsor and Sponsor. Both sponsorship packages include a variety of benefits, see <https://ica4point0.com>



**4<sup>th</sup> INTERNATIONAL CONFERENCE ON ASPHALT 4.0**  
24-25 September 2025

## Latest digital trends in the asphalt paving sector

Topics:

- *the impact of digitalization on decarbonization*
- *the consequences of Asphalt 4.0 on the productivity of bituminous mixtures and paving*
- *the development of digital platforms for road administrations*
- *the consequences for the durability of pavements*
- *digitalization for monitoring the state of maintenance of roads*
- *new technologies for quality control*
- *monographs on ~~about~~ Asphalt 4.0*

Venue:

**Meeting Place**  
**calle Orense, 34**  
**28020 Madrid, Spain**

Two registration options:

	Members of Asefma*	Non-members of Asefma
In-person registration and event materials:	<b>450 € + VAT</b>	750 € + VAT
Online streaming:	<b>75 € + VAT</b>	150 € + VAT

[Note \\*:](#) This price is only available for registrations made before September 10st

Programme:**24th September**

08:30 – 9:00 Registration

09:00 – 09:30 Opening session

**Carsten Karcher**  
Secretary General of EAPA  
**Slovenko Henigman**  
Executive President of ZAS  
**Juan José Potti**  
Executive President of Asefma

09:30 – 09:50 Key lecture. Challenges for Asphalt 4.0

**Breixo Gomez**  
Technical Manager of EAPA

1<sup>st</sup> session: *The impact of digitalization on decarbonization*

Moderated by: **Jean-Pierre Paseri (COMPANY)**

09:50 – 10:10 *Key digital elements for decarbonization based on Life Cycle Analysis*

**José Luis Peña**  
Asefma

10:10 – 10:30 *Optimization and logistic of transport impacts on paving*

**José Ramón Albert, Routes de France?**  
Pavasal

10:30 – 11:00 *Round table on Decarbonisation through digitalization*

Composed of: **a definir**

11:00 – 11:45 Coffee break

2<sup>nd</sup> session: *Digitalization for monitoring the state of maintenance of roads*

Moderated by: **Juan José Potti**

11:45 – 12:05 Quantifying the environmental impact of pavement rehabilitation using connected vehicle data: a case study on the M-50 motorway.

**José Carlos Valdecantos and Björn Zachrisson**  
Xouba and Nira Dynamics

12:05 – 12:25 Primer informe de inspección digital del estado de conservación de las carreteras de España TÍTULO EN INGLÉS?

**Enrique Miralles e Ibon Arechalde**  
AEC and Asimob

¿Incluir a los de Logiroad en lugar de la mesa redonda?

12:25 – 13:00 Round table on *digitalization for monitoring*

Composed of: **a determiner**

13:00 – 14:00 Lunch

3<sup>rd</sup> session: *The consequences of Asphalt 4.0 on the productivity of bituminous mixtures and paving*

Moderated by: **Slovenko Henigman**

14:00 – 14:20 *Big Data Analytics and AI for a More Efficient and Sustainable Asphalt Industry*

**Thomas Leopoldseder and Alex van de Wall**  
Q Point and KWS

14:20 – 14:40 *La aplicación de los recursos digitales a la extensión y compactación de mezclas bituminosas*

**Berwich Sluer**  
&NBSP; **Partners in Solutions**

También se podría añadir aquí el trabajo de sensorización de Javier Loma o la comunicación libre de Adrián Cabrera.

14:40 – 15:00 *Round table on Asphalt 4.0 and productivity*

Composed of: **a definir**

4<sup>th</sup> session: *The development of digital platforms for road administrations*

Moderated by: **Miguel Caso**

15:00 – 15:20 *Building road pavements under BIM standards*

**Antonio Muruais**  
DGC of the Spanish Ministry of Transports

15:20 – 15:40 *Digital Twins applied to paving activities*

**David Llopis** and **Alvaro García**

15:40 – 16:10 *Round table on BIM applied to the roads*

Composed of: **a determinar**

¿Algún elemento motivador para animar la tarde?

Programme:25<sup>th</sup> September5<sup>th</sup> session: *The consequences for the durability of pavements*Moderated by: **Ralph Pomp**9:00 – 9:20 *Key digital points to improve durability of pavements***Igor Rutmar** and **Fernando Moreno**

TPA and UGR

9:20 – 9:40 *Digital developments to achieve target compaction***Thiberio Taunus**

Dynapac

9:40 – 10:10 Round table on durability

Composed of: **a determinar**

10:10 – 11:00 Coffee break

6<sup>th</sup> session: *New technologies for quality control*Moderated by: **José Luis Peña**11:00 – 11:20 *Density control by GPR***Ersun Gorener**

Infratest

11:20 – 11:40 Mobile mapping

**Xavier Flores** and **José Manuel Muñoz**

TMB and Topcon

11:40 – 12:10 Advancing Automation in Asphalt Mixture. X-Ray Computed Tomography and AI-Based Image Analysis

**Luis Lorena**

CHM

7<sup>th</sup> session: *Monographs on Asphalt 4.0*Moderated by: **Carsten Karcher****EAPA**12:10 – 12:30 *Monograph Asphalt 4.0 by Asefma and leaflet Young Paving Talent***Juan José Potti**

Asefma

12:30 – 12:50 *Monograph Asphalt 4.0 by EAPA***Breixo Gómez**

EAPA

## TENTATIVE PROGRAMME

social media, hashtag: [#ICA4point0](#)

12:50 – 13:20 Round table on *Monographs Asphalt 4.0*  
Composed of: **a determinar**

13:20 Closing session

**Carsten Karcher**

Secretary General of EAPA

**Slovenko Henigman**

Executive President of ZAS

**Juan José Potti**

Executive President of Asefma