

Asphalt Innovation Symposium (AIS2024)



Location: BluePoint Antwerp
Date: December 12, 2024
Time: 9:00 – 18:00
Organizer: University of Antwerp

9:00 – 09:45 Registration, coffee, networking & poster session

09:45 – 11:00 **Opening ceremony – Session 1 (EN/NL):** Shaping the future of asphalt pavement engineering: insights, innovations and perspectives.

Chairs:
Davide Lo Presti (University of Palermo)
Wim Van den bergh (University of Antwerp)

Eva Van den Bossche (BRRC), *Nieuwe structuur voor het OCW*

Ann Vanelstraete (BRRC), *Onderzoek en innovatie bij het OCW rond Asfaltproducten*

Teena Thomas (Manipal Institute of Technology), *POWERCN2050 and Joint Master SURPAVE*

Wim Van den bergh (University of Antwerp), *Our SuPAR Innovations: Working with industry to Advance asphalt pavement research.*

Ben Moins (University of Antwerp), *CO2 benchmarking of asphalt mixtures*

David Hernando (University of Antwerp), *Envision sustainability framework*

11:15 – 12:45 **Interactive session 2A (NL):** Kennis en innovatie, een uitdaging voor de sector!

Chairs:
Wim Van den bergh (University of Antwerp)
Inge van Vilsteren (Rijkswaterstaat)

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Actieve workshop met de sector

11:15 – 12:45	Session 2B (EN): Alternative materials: Focus on Bio-based materials	Chairs: Christina Makoundou (University of Antwerp) Evangelos Manthos (Aristotle University of Thessaloniki)
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Evangelos Manthos (Aristotle University of Thessaloniki), *The way of biomaterials in Greece*

Stefan Vansteenkiste (BRRC), *Bio-based binders: towards the decarbonisation of the asphalt pavement sector in Flanders?*

Hans Hendrikse (LATEXFALT), *The Road towards Circular Binders*

Dineke van der Brug (Rijkswaterstaat), *CIRCUIROAD, evaluation, validation and implementation of bio-enriched binders in the Dutch road industry*

Maria Chiara Cavalli (KTH), *Bio-Composites for Advancing Sustainability in Pavement Engineering*

12:45 – 13:45 Networking Lunch

13:45 – 15:15	Interactive session 3A (EN): The road to carbon neutrality: 2050	Chairs: David Hernando (University of Antwerp) Katerina Varveri (TU Delft)
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Inge Van Vilsteren (Rijkswaterstaat) - **Martin van Stek** (Ammann Group) - **Martin Diekmann** (Wirtgen Group) - **Julien Van Rompu** (Eiffage Route) - **Rien Huurman** (AsfaltNu)

Interactive discussion

13:45 – 15:15	Session 3B (EN): Pavement monitoring and management	Chairs: Cedric Vuye Ablenya Barros Eshta Ranyal (University of Antwerp)
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Ali Yeganeh (BRRC), *The Critical Role of Pavement Management System (PMS): Innovations Leading the Way*

Ali Anwar (UAntwerpen-IDLAB), *Efficient AI for road surface fault detection*

Thomas Weyn (ASAsense), *Advancements in pavement quality monitoring using sound and vibration*

Fan Gu (Changsha University of Science and Technology), *Influence of As-Constructed Asphalt Pavement Air Voids on Pavement Performance*

15:15 – 15:45

Break

15:45 – 16:45

Session 4 (EN):
Global trends in asphalt and road research

Chairs:
Antonio Roberto
(University of Antwerp)
Elisabete Freitas
(University of Minho)

Davide Lo Presti (University of Palermo), *SMART ROADS, European visions and proposed developments*

Gabriella Buttitta (University of Palermo), *A Methodology for the Life Cycle Management of European Road Pavements*

Girish Murgod (Manipal Institute of Technology), *Geopolymer concrete - a sustainable option for OPC concrete pavement in infrastructure*

Elisabete Freitas (University of Minho), *Smart pavement Engineering at UMinho*

16:45 – 17:00

Closing ceremony

Evangelos Manthos (Aristotle University of Thessaloniki), *Collaborating for Impact: Academic Research Success*

Wim Van den bergh (University of Antwerp), Farewell

17:00 – 18:00

Final networking reception



Partners:

