

Asphalt Innovation Symposium (AIS2023)



Location: De Pitte Conference Center

Date: December 13, 2023

Time: 9:45 – 17:30

Organizer: University of Antwerp

9:45 – 10:45 Registration, coffee, networking & poster session

10:45 – 11:00 Opening ceremony

11:00 – 12:30 Parallel session 1A* (NL/En):
Current research on road engineering and SuPAR Chair:
Wim Van den bergh (UAntwerpen)

Wim Van den bergh (UAntwerpen), **David Hernando** (UAntwerpen), **Reza Omranian** (UAntwerpen)

11:00 – 12:30 Parallel session 1B* (En):
Ageing and how to prevent it Chairs:
Georgios Pipintakos (UAntwerpen) & Kristina Primerano (TU Wien)

Lili Ma (TU Delft), *Exploring combined effects of moisture and oxidative ageing on bituminous binders*

Stefan Werkovits (TU Wien), *Elucidation of the Chemical Processes in Polymer-modified Bitumen*

Anand Sreeram (University of Nottingham), *Can We Double the Service Life of Flexible Pavements? The Use of Tailored Antioxidants to Mitigate Asphalt Binder Oxidation*

Leidy Espinosa (Sao Paulo), *Ageing characterization of wood-based bio-binders*

12:30 – 13:45 Networking Lunch

13:45 – 15:15	Interactive session 2A (NL): <i>Roadmap naar 2050 voor een duurzame asfaltsector</i>	Chairs: Inge van Vilsteren (Rijkswaterstaat) & Wim Van den bergh (UAntwerpen)
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Interactive discussion

13:45 – 15:15	Parallel session 2B* (En): Fume Emissions Evaluation for Asphalt Materials	Chairs: Johan Blom (UAntwerpen) & Laurent Porot (Kraton)
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Dirk Reichert, Dries Neirinck (DESOTEC), *Activated carbon, a sustainable technology for VOC abatement*

Peter Boodts (Atmosafe), *Chemical exposure prevention*

Johan Blom (UAntwerpen), *Zero emissions?*

Ali Zain Ul Abadeen (UAntwerpen), *Addressing Pavement Aging, VOC Emissions, and Traffic Pollution: Innovations in Asphalt Pavements*

13:45 – 15:15	Interactive session 2C* (En): Towards more climate resilient road infrastructure	Chairs: Maria Pregolato (TU Delft) & David Hernando (UAntwerpen)
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Margo Briessinck (AWV), *Measures for improving resilience of pavements*

Greet Leegwater (TNO), *Climate resilience of Dutch Highways*

Alexandros Margaritis (BRRC), *Permeable asphalt pavements: first experience from DRAINASPAVE project*

Filip Lefebre (VITO), *Assuring active mobility in an urban setting under climate change*

Juan Cañavera Herrera (Foster + Partners), *Understanding adaptation planning of urban road infrastructure*

15:15 – 15:45 Break

15:45 – 16:45	Summary and conclusions of the interactive sessions (En/NL)	All the chairs
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16:45 – 17:00 Closing ceremony

17:00 – 17:30 Final networking reception

*Possibility to follow online: 1A, 1B, 2B, 2C