



# THE BLACK ART

## Sustainable Solutions in Changing Times



Due Drop Events Centre- Manukau, 30 August 2023

We hear the words Sustainability, Resilience, and Innovation a lot these days – at The Black Art, we want to delve deeper into what this actually means and what we can practically do about it, as it relates to roading in New Zealand. The Black Art is a full day technical workshop, focusing on the art of the “black stuff” – chipsealing, asphalt, microsurfacing, slurry seals etc.

### AGENDA – subject to change

- 9:00am *Opening by Master of Ceremonies* – Doug Wilson, The University of Auckland
- 9:10am *Keynote speakers:* Jan-Willem Bulters & Marcel van de Peppel, Miscancell - GrASFalt©: Decarbonising asphalt by utilising locally grown miscanthus lignin as a sustainable asphalt binder replacement
- 9:30am *Stream 1 – Technical/practical – Sponsored by Hiway Group*
1. Grant Bosma, Waka Kotahi – Updates to M4 & P11 specifications
  2. Dr Greg Arnold, ASCO Asphalt – Challenges of Asphalt Mix Approval & case study: Design comparison using flexural beam fatigue and modulus test results obtained from laboratory versus field test samples
  3. Martin Gribble, Stantec – How do we widen a road?
- 10:40am Morning tea
- 11:10am *Stream 2 – Innovation, materials, products – Sponsored by Green Kiwi*
1. Craig Ridgeley, AECOM New Zealand – Sustainable solutions to asphalt performance, resilience & construction
  2. Allen Browne, Hiway Group – Emulsion stabilisation of steep unsealed windfarm roads for resilience
  3. Nikhil Vishwanath, Road Science – Improving climate resilience through emulsion stabilisation
- 12:10pm *Panel discussion – change to emulsion & what it means for contractors*  
Panel: Adam Leslie, Waka Kotahi; Sean Bearsley, Higgins; Richard Hill, Road Science; Barry Coley, HEB
- 1:00pm Lunch
- 1:45pm *Stream 3 – Sustainability - Sponsored by Solution-SE*
4. Sarah Lindberg, AECOM New Zealand – Sustainability Practitioner and Pavement Specialist – How do we move beyond the first date?
  5. Trevor Distin, Colas Australia - Sustainable approach to maintaining low trafficked surfaced roads
  6. Mark Cruden, Meyer Cruden Engineering - The real carbon footprint of roads
- 2:45pm *Young Presenters - Sponsored by Fulton Hogan*
1. Janus Grove, Fulton Hogan – Long term pavement resilience - where do we start?
  2. Annie Ganley, Fulton Hogan – The future of rheological bitumen performance testing
  3. Luke Elsen, AECOM New Zealand – The Sustainability Tsunami – How can the bitumen industry ride the wave?
- 3:15pm Afternoon tea
- 3:35pm *Stream 4 – Risks, challenges, reviews*
1. Nick Shilov, Hiway Group – Delivery of Emergency FBS Works through Winter for Gisborne Region
  2. Clare Dring, Fulton Hogan – Learnings from United States
- 4:25pm NZ Young Presenters Award - Trophy and close
- 4:40pm *Happy Hour - Sponsored by ASCO Asphalt and COLAS*

Main Sponsor

