

18th AAPA International Flexible Pavements Conference & Exhibition

Conference Papers



Speaker Name		Title
Alexander	David	Surface Life Extension Through Alternative Maintenance Material: Ultramender.
Asadi	Hossein	New protocol for asphalt dynamic modulus testing using asphalt mix performance tester (AMPT)
Bearsley	Sean	Implementation of the AASHTO Performance Graded Asphalt Binder Specifications in the New Zealand Operating Environment
Bell	David	Hot Sprayed Seals and Bitumen Emulsions using Low Viscosity Polymers
Braham	Andrew	Developing an Online, On-Demand Certificate Program for Asphalt Emulsions
Brink	Anna-Carin	Pavement rehabilitation design is not new pavement design
Ducreux	Véronique	Overview of innovative tests supporting emulsion applications
Grenfell	James	Fatigue behaviour of Foamed Bitumen Stabilised Materials tested under the accelerated loading facility
Jamieson	Sean	Stone mastic asphalt as an ungrooved runway surface for Australian Airports
Jamshidi	Ali	Production of Cleaner Warm Mixture Asphalt: Case Study for Australia
Jansz	Ryan	Asphalt In Rail For The First Time In Australia
Jones	Jason	Maximising the Use of Asphalt Mixes containing High Percentages of Reclaimed Asphalt Pavement (RAP) material on TMR Projects
Raju	Sridhar	Performance of Reclaimed Asphalt Pavement (RAP) Material in Asphalt Mixtures
Kidd	Andrew	Implications of Reheating of Asphalt Mixes on Performance Testing
Kidd	Andrew	Redesign of Brisbane City Council's Type 3 Multigrade Asphalt
Kim	Young Ik	An evaluation of ultra-thin HMA with asphalt modifier reinforced fiber (CSM) for preventive maintenance and noise reduction
Lee	Nicholas	Field Validation of Warm Mix Pavements (End of Life Assessment)
Let	Alexandru	Rubberized Biochar used as Bitumen additive
Mashaan	Nuha	Waste plastic as additive in asphalt pavement reinforcement: a review

Mazurowski	Piotr	Modification of Mechanistic-Empirical pavement design method to incorporate the influence of hexagonal stabilisation geogrids
Nataatmadja	Andreas	The use of geopolymers as supplementary binder in foamed bitumen stabilisation
Olard	Francois	Towards the use of RAP in GB5® mix design
Pandey	Akanksha	Rheological Analysis of PG rutting criterion in Polymer Modified Asphalt Binders
Partridge	Stuart	Designing a world class forward moving aggregate chip spreader for a safe future in bituminous spray sealing
Petho	Laszlo	In situ performance monitoring of a high RAP content asphalt mix designed using the binder blend characterisation method
Porot	Laurent	Binder and mix evaluation of highly modified asphaltic binder
Porot	Laurent	Bringing recycling to the next level using bio-based rejuvenator
Rajan	Bharat	Effects of Orientation on Angularity of Aggregate Using Digital Image Technique
Ravindranath	Sham	Effect of polymer type and concentration on the high temperature rheological properties of SBS modified binders
Ravindranath	Sham	Comparing the Softening Point, PG Upper Limiting Temperature, Complex Viscosity and Elastic Recovery of Polymer Modified Binders: Effect of Polymer Microstructure and Concentration
Saleh	Mofreh	Conventional Wheel Trackers Versus Modified Wheel Tracker
Singh	Sumit	Effect of additives on property erosion in SBS modified binders during storage
Solis-Navarro	Carlos	Warm mix asphalt on the Easing Sydney's Congestion Program. A success story of collaboration, sustainability and innovation"
Sullivan	Bevan	Performance of Flexible Pavements in Container Terminals
Sullivan	Bevan	Determination of Critical Loading in Terminal Operations
Tahmoorian	Farzaneh	Innovations in Asphalt Mix Production Incorporating Waste Materials
Tetley	Simon	Application of Automated Continuous Integrated Pavement Condition Data in South Africa
Thompson	Peter	Tuggeranong Parkway - Cape Seal
van Aswegen	Elsabe	Increasing the use of RAP in Western Australia
van Wijk	Ian	Consideration of sustainability aspects in the assessment of the feasibility of surfacing of unsealed roads
Vo	Khoa	How Variations in Bitumen Sources Affect the Production of Polymer Modified Bitumen
White	Gregory	Advances and innovations in flexible airport pavements
White	Gregory	Evaluation of glass as a sand replacement in asphalt
White	Gregory	Quantifying the cost of different runway overlay designs
White	Gregory	Validation of proprietary binders for airport asphalt

Zargar	Majid	Laboratory Assessment of The Service Life Of Asphalt Pavements Based On Creep Deformation
Zhang	Haitao	Study on generalized friction coefficient between base and surface layers of asphalt pavement
Rubsov	Paul	Sydney Airport AAA conference paper on Rhinophalt
Shirts	Ralph	Recent outcomes of the Asphalt Institute Foundation Strategic Asphalt Research (STAR) program
O'Keefe	Liam	Black market, Circular economy: How the roads sector is driving the market for Australian used tyres

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Speaker Name		Title
Appleby	Jim	Embracing the circular economy – Action not words
Beh	Henry	Use of soft plastics recyclate in asphalt pavements
Bernard	Stephen	SAMI S45R+ : Next Generation Stabilised Crumb Rubber Modified Bitumen
Bhavsar	Rajesh	Evaluation of Geosynthetic stabilised pavements over reactive clay subgrade
Braham	Andrew	Perpetual Pavements Plus (PP+) – Improving Traditional Asphalt Concrete Perpetual Pavements
Broadhurst	David	Developing a Confident and Competent workforce
Chen	Jian-Shiuh	Engineering Properties and In-Service Performance of Porous Asphalt Mixes
Clayton	Lorena	Breakout session - Pragmatic Thinking: GREAT FEEDBACK CULTURES
Distin	Trevor	Hydrated lime vs liquid antistrip agents
Eriksson	Anna	The effect of oil addition to crumb rubber modified bitumen – a study of storage stability and rheological properties
Clayton	Lorena	Breakout session - Pragmatic Thinking: GREAT FEEDBACK CULTURES
Francis	Tyler	Warm Mix Asphalt: An alternative to lime for adhesion and much more...
Haghighi	Hamed	Foamed Bitumen Stabilisation (FBS) - Downer Case Studies
Henningsen	Andrew	The utilisation of EME2 at Brisbane Airport
Holleran	Glynn	Sustainable Roads in a harsh climate
Jamal	Muhammad	A graphene-based supermodifier for perpetual road pavements

LaNauze	Mary	Concrete Fracturing Technology
Liao	Min-Chih	Engineering Characterization of Highly Modified Asphalt Mixtures for Rehabilitated Pavements
Machura	Magdalena	Asphalt Preservation System - RHINOPHALT
Man	Iulian	Emulsion Treated Road Base – Bracalba Quarry Case study
McArthur	Rod	Crumb Rubber Asphalt Stanlake Ave trial, Mitcham Council
McGrane	Kieran	Pavement materials test methods: the importance of advanced digital control for precise test performance, full data-capture and analysis of pavement materials
Monu	Kumari	Laboratory investigation of Hot Mix Asphalt with Reclaimed Asphalt for a sustainable construction
Moss	Craig	The capability challenge for local government
Murphy	Luke	Safer Approach to Determine Binder Content – automatic asphalt analyser
Orriss	Daniel	Practical Applications of Insitu Foamed Bitumen Stabilisation within High Traffic Volume Environments
Pitawala	Sameera	Evaluation of flexural behaviour of Foamed bitumen stabilised pavement material beams using distributed fibre optic sensors and fibre brag grating sensors
Pradhan	Nabin	Asset Management and ISO 55001 Asset Management System Standard Implementation in DM Roads
Rogers	Darcy	Developing a Viable Emulsion Alternative to Hot Cutback Bitumen in New Zealand.
Ruprai	Shan	Release of the Chain of Responsibility training program and the implications for industry to meet regulations
Szendefy	Janos	Evaluation of Resilient Modulus of Subgrade in Hungary and Its Implementation in Pavement Design
Tuecks	Roland	Recycling with counterflow – pioneering and environmentally friendly concept for asphalt production
van Aswegen	Elsabe	Transfer of Crumb Rubber Modified Binder Technology in Asphalt to Western Australia
White	Gregory	Developing a Sprayed Sealing Specification for Airports
Yindee	Kanjana	High performance bond coat emulsion for high stressed pavement layers
Zhong	Jin	Incorporating Big Data techniques in Road Asset Management Practices

