



# SAT Binder conference 2024

CSIR International Convention Centre & Online

 **ARIA**asphalt®

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**4th & 5th  
SEPT 2024**

DAY 1	WEDNESDAY 4 SEPTEMBER	Venue: CSIR ICC & Online
07:30 - 8:30	Registration of Delegates	
08:30 - 9:15	Chairs Intro: Nik Berning (Hon. SAT Treasurer)	
09:15 - 9:45	Welcome Address: Krishna Naidoo (SAT President)	
09:45 - 10:00	Comfort Break	
<b>10:00 - 12:00</b>	<b>SESSION 1: CONSTRUCTION &amp; MANUFACTURING FOCUS AREA</b>	
Sponsored by:	Introduction of FA and Speaker	Gary Wright
	Construction Tolerances and Risks associated with these Tolerances	Eben van Zyl
	Compiling a practical method statement to construct your flexible pavement	Gary Wright
	Assessing the rideability of asphalt roads in South Africa: Conditions & Future	Jesse Naicker
	For the current topics	Panel Discussion
	Carbon Dioxide Equivalent Emission (CO2e) Quantification on Road Infrastructure Projects	Tarlia Gerald
	Digitization	Randhir Haripersad
	For the future topics	Panel Discussion
<b>12:00 - 13:30</b>	<b>LUNCH</b>	
<b>13:30 - 14:05</b>	<b>SESSION 2: SEALS FOCUS AREA</b>	
Sponsored by:  ROMH	Introduction of FA and Speaker	Nishaat Mowzer
	Bleeding problems & solutions in Australia	Kym Neaylon
	Speaker introduction	Nishaat Mowzer
	Evaluation of spray seal binders & the influence of precoated chips	Nikisha Sewpersad
	Speaker introduction	Nishaat Mowzer
	NME Slurry – N14 case study	Herman Mostert
	Closing	Nishaat Mowzer
14:45 - 15:00	Comfort Break	
<b>15:00 - 16:00</b>	<b>KEYNOTE ADDRESS</b>	<b>Dr. Randy West, NCAT</b>
16:00 - 16:30	Focussed discussion	
16:30 - 17:00	Break	
<b>17:00 - 19:00</b>	<b>COCKTAIL EVENING</b>	

**DAY 2 THURSDAY 5 SEPTEMBER Venue: CSIR ICC & Online**


07:30 - 8:30	Registration of Delegates
08:30 - 8:45	General Discussion

**08:45 - 10:45 SESSION 3: ASPHALT FOCUS AREA**

Sponsored by: 	Introduction of FA and Speaker	Avi-Nash & Tumelo Thotela
	Perspective on Transfer Functions	Arno Hefer
	Perspective on Asphalt Binder and Asphalt Mix Design	Steph Bredenhann
	Adjustment to Volumetric Properties and Gyration to Enhance Durability	Dr Nam Tran
	Road Constructed Using Plastic Waste - Lab Perspective	Keabetswe Pholo
	Road Constructed Using Plastic Waste - Large Scale Perspective	Michandre Smit
	Question & Answer	Panel Discussion
	Closing	Avi-Nash & Tumelo Thotela


10:45 - 11:00	Comfort Break
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**11:00 - 12:30 SESSION 4: BINDERS FOCUS AREA**

Sponsored by: 	Introduction of FA and Speaker	Jacques van Heerden
	A Quantitative Approach to the Evaluation of Bitumen Emulsion Stability Using Static Multiple Light Scattering Techniques (Smls)	Dylan Grove
	Speaker Introduction	Jacques van Heerden
	Short-Term Aging of Asphalt Binders	Johan O' Connell
	Speaker introduction	Jacques van Heerden
	Supervised Regression Models as Alternatives to Numerical Prediction Equations for Mechanical Material Properties of Bitumen	Elaine Goosen
	Engineering the future of bitumen: Advances in modification, cross-linking and anti-stripping agents for sustainable infrastructure	Johannes Lambert
	Question & Answer	Panel Discussion

**12:30 - 13:30 LUNCH**

**13:30 - 15:30 SESSION 5: CHEMISTRY FOCUS AREA**

Sponsored by: 	Introduction of FA and Speaker	Sthabile Sibiya
	Physico-Chemical Characteristics of 10/20 Penetration Grade Bitumen Supplied by Different Manufacturers	Nteseng Ramoraswi
	Enhancing Imported Bitumen through Ethylene Vinyl Acetate Modification and Crosslinking: Meeting South African Road Standards with Advanced Chemical and Rheological Analysis Abstract	Larusha Gramni
	Impact of Changes in Crude Oil Refining on Bitumen	Krishna Srinivasan
	Question & Answer	Panel Discussion
	The Chemistry Of Bitumen-Aggregate Adhesion & Benefits Of Organosilane	Sinethemba Mkhize
	Evaluation of Fatigue Characteristics of Stabilised Bases using Organosilanes Nanotechnology under Dry and Wet Conditions	Shabhun Kalore
	Question & Answer	Panel Discussion
	The Potential for Nanotechnology, Plastomers and Elastomers to Enhance the Properties of Asphalt Mixtures	Tladi Mofokeng
	Canadian Perspectives on the Implementation of Superpave® and Balanced Mix Design Systems in Road Construction	Jianmin Ma
Q&A and Discussion	Panel Discussion	

**15:30 - 16:30 Closing of Conference**

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**MASTERCLASS**

Free for SATBinderr 2024 Delegates

**BALANCED MIX DESIGN**

International guest, Dr. Nam Tran, from NCAT (USA), is an expert in the field of asphalt & pavements, he serves as the NCAT Assistant Director & a Research Professor.

REGISTERED FOR  
CPD ACCREDITATION

REGISTER TODAY



**DR NAM TRAN**

The National Center for Asphalt Technology (NCAT), Auburn University, Alabama, USA.

**FRIDAY 6 SEPTEMBER 2024 10:30 - 15:30**

All SATBinderr 2024 Delegates receive complimentary access to our Hybrid SATBinderr MASTERCLASS ON BALANCED MIX DESIGN

DAY 3	FRIDAY 6 SEPTEMBER	Venue: University of Pretoria @ Engineering 4.0 & Online
10:30 - 11:00	Registration & Welcoming	
11:00 - 15:30	MASTERCLASS ON BALANCED MIX DESIGN WITH DR NAM TRAN (USA)	
11:00 - 13:00	SESSION 1	Dr Nam Tran
13:00 - 14:00	LUNCH	
14:00 - 15:30	SESSION 2	Dr Nam Tran

You still need to register on our website! Scan the QR Codes for more info and to register. Select 'SATBinderr Delegate' in the Ticket Types option. All delegates will be verified. In-person spaces are limited.

Thank you to our Masterclass Sponsors:

