

Registration

23-26 September 2012
Pan Pacific Hotel
Perth, Western Australia



**25th ARRB
CONFERENCE**
SHAPING THE FUTURE
Linking research, policy and outcomes



Conference sponsored by:

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About the Conference

For 50 years ARRB Conferences have promoted discussion of issues relevant to the transport industry, and new research being undertaken on the local and international scene.

ARRB is hosting the 25th ARRB Conference in Perth, 23 – 26 September 2012, immediately prior to the 35th Australasian Transport Research Forum (ATRF), 26 – 28 September at the same location.

The theme of the Conference is *Shaping the future: Linking research, policy and outcomes* and it will focus on four streams:

- Safe Systems
- Sustainable infrastructure management
- Sustainable infrastructure sciences/technology
- Congestion, freight and productivity.

The ARRB Conference is the premier Conference on sustainable infrastructure, sustainable pavement and materials technology, Safe Systems, and congestion, freight and productivity research in Australia.

The Conference will explore how the outputs of transport research support informed decision-making and policy formulation, leading to community enhancements in areas including efficiency, sustainability, safety and accessibility. It is anticipated that about 500 local, interstate and international delegates will be attending the Conference.

Both the ARRB and the ATRF Conferences will share a joint session day on Wednesday 26 September.

Delegates will have an opportunity to showcase their expertise in a number of road and transport-related areas as well as network with their colleagues.

Who should attend?

- state and territory road authority engineers and practitioners
- local government professionals
- researchers and technical experts
- practising engineers
- consultants and suppliers
- road contractors.

The Conferences meet the criteria of Engineers Australia as Continuing Professional Development (CPD) events. For further information about CPD events visit www.engineersaustralia.org.au.

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**23 – 26 September
2012**



Program – subject to change

Sunday 23 September 2012

Start time	End time	Session	Location
10.00 am	5.00 pm	<p>Technical tour (departs at 10.00 am sharp)</p> <p>Provided by Main Roads Western Australia</p> 	TBA (depart from Pan Pacific hotel)
5.00 pm	6.30 pm	<p>Welcome reception & registration open</p> <p>Sponsored by SIDRA SOLUTIONS</p> 	Exhibition hall (Grand River Ballroom)

Monday 24 September 2012

Start time	End time	Session	Location
8.00 am	9.30 am	Registration & welcoming tea and coffee	Exhibition hall (Grand River Ballroom)
9.30 am	11.00 am	<p>Opening ceremony: <i>Shaping the future: Linking research, policy and outcomes</i></p> <p>Keynote address Mr Menno Henneveld, Managing Director, Main Roads WA</p> <p>Mr Steve Phillips, Secretary General of the Forum of European National Highway Research Laboratories (FEHRL)</p>	Plenary room (Golden Ballroom)
11.00 am	11.30 am	Morning tea	Exhibition hall (Grand River Ballroom)

The performance of bituminous mixes using Indonesian natural asphalt Furqon Affandi INDONESIA				research in this area and also seek ways to facilitate dialogue and coordinate activities.	
3.00 pm	3.30 pm	Afternoon tea			Exhibition hall (Grand River Ballroom)
3.30 pm – 5.00 pm Parallel technical sessions & workshops 5					
5.1 Lighting & noise (Room: Goldsworthy)	5.2 Trip generation, modelling & predictions (Room: Golden Ballroom North)	5.3 Road safety engineering II (Room: Golden Ballroom South)	5.4 Pavement management (Room: Golden Ballroom Centre)	5.5 Asphalt (Room: Hamersley)	5.6 Current, emerging and future asset management practice workshop (Room: Mt Newman)
		Session sponsored by:  RAC members are happier			
A new road lighting guideline for railway crossings in New South Wales Ganesh Vengadasalam AUSTRALIA	A new approach for trip generation estimation for use in traffic impact assessments Jonathan Bunker AUSTRALIA	A revised technical foundation for cross-section for rural roads in QLD Owen Arndt AUSTRALIA	The impacts of hotter climate on the cracking of concrete pavements Rudi van Staden AUSTRALIA	Analysis of the stiffness variability in asphalt layers using the Monte Carlo simulation Laszlo Petho AUSTRALIA	This workshop should be of interest to all levels of road asset management practitioners, that is, from strategic analysts to annual work program managers. The workshop aims to make them aware of current best practice, emerging practices and technologies and the future challenges, including the impact of heavy vehicles, road safety, climate change, reduction in Green House Gas (GHG) emissions, rolling resistance and overall risk management on asset management. Many of the future challenges are covered by a related Plenary Session, whereas the implications of the Safe System will be covered in a separate workshop. The workshop is also an opportunity for all participants to have an input to the identification of future research and development needs.
The effects of vertical speed control devices on vehicle speed and noise emission Basil David Daniel NEW ZEALAND	A continuum flow model for Perth's freeways Graham Jacoby AUSTRALIA	Crash test outcomes for three generic barrier types Bernard Hammonds AUSTRALIA	Collaborative contracting – how the Foveaux Alliance contract enabled Southland District during the global financial crisis David Connell NEW ZEALAND	Effect of geogrid reinforcement on critical responses of bituminous pavements Satish Pandey INDIA	
The effects of improved vehicle technology on the design of acceleration and deceleration lanes at freeway entry and exit ramps Jason Keys AUSTRALIA	Upstream and downstream detection to improve congested network operation David Chin AUSTRALIA	Main Roads roadside hazard rating Jan Karpinski AUSTRALIA	Concrete pavement maintenance on National Route 3, South Africa Anna-Carin Brink AUSTRALIA	The linear visco-elastic behaviour of asphalt mixture under dynamic loading conditions Mahyar Arabani IRAN	
Victorian freeway lighting and its underlying principle Tapash Saha AUSTRALIA	Bus and car travel time on urban networks integrating bluetooth and bus vehicle identification data Ashish Bhaskar AUSTRALIA		Evaluation of the Accelerated Road Rehabilitation Program (ARRP) Clifford Naude AUSTRALIA		
6.00 pm	9.00 pm	25 th ARRB Conference Interchange Networking Function			Royal Perth Yacht Club

Successful authors will be required to provide a final draft of their paper for peer review by **Tuesday 1 May 2012**. Papers will be reviewed by a minimum of two referees and may be rejected or require modification depending on the referees' recommendations.

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