

ASCP 2015 CONCRETE PAVEMENTS CONFERENCE

CONFERENCE PROGRAM
AND REGISTRATIONS

**MONDAY 20 AND
TUESDAY 21 JULY 2015**

BREAKFREE AANUKA
BEACH RESORT
11 FIRMAN DRIVE,
COFFS HARBOUR, NSW

PRESENTED BY



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PROGRAM | MONDAY 20 JULY

8.00 am	Registrations	
	PLENARY SESSION	
9.00 am	Welcome President ASCP	
9.15 am	Keynote Presentation Bob Higgins	
9.45 am	Slipform paving of Portland cement concrete airfield pavements – US practices and experiences Gary Fick	
10.15 am	Discussion session	
10.30 am	Morning tea	Sponsored by: 
	STREAM A1	STREAM B1
11.00 am	Clybucca continuously reinforced concrete pavement (CRCP) – a 40-year performance assessment Geoff Ayton	Performance engineered mixtures Peter Taylor, Ezgi Yurdakul & Xuhao Wang
11.25 am	The role of quality assurance in delivering long-life concrete pavements Jim Grove & Peter Taylor	Geopolymer and high flyash concrete for pavements Marita Berndt & Gavin Chadbourn
11.50 am	Australia's first slipformed concrete road, Foreshore Road, Port Botany, 1978 – a 37-year review John Hodgkinson	Use of recycled concrete aggregates in concrete pavements George Vorobieff & Graham Hennessy
12.15 pm	Discussion session	Discussion session
12.30 pm	Lunch	Sponsored by: 
	STREAM A2	STREAM B2
1.30 pm	A designer's perspective on unplanned shrinkage cracking in plain concrete pavements (PCP) John Figueroa	Pavement design methodologies for port and external heavy duty pavements Eduardo Alcazar
1.55 pm	Concrete pavement terminal design and construction Anna-Carin Brink & Geoff Ayton	Joint free container pavements – steel fibres combined with mesh Alan Ross
2.20 pm	Wake Up session	Wake Up session
2.30 pm	Active crack control in continuously reinforced concrete pavement (CRCP) – trials undertaken on the Kempsey Bypass Alliance Neil Webb, Mark Hoskins & Justin Moss	Latest developments for roller compacted concrete (RCC) in USA Shane Dunstan
2.55 pm	Ultra-thin concrete pavements design with optimised geometry for low volume roads Juan Pablo Covarrubias, Carlos Binder & Victor Roco	New developments in rapid set concrete slab replacements Ian Hampton & John Hodgkinson
3.20 pm	Discussion session	Discussion session
3.30 pm	Afternoon tea	
	PLENARY SESSION	
4.00 pm	Merits and challenges of increasing limestone addition in cement used in concrete pavement construction Vute Sirivatnanon, Warren South & Craig Whitaker	
4.30 pm	Keynote Presentation Details to be advised	
5.00 pm	Discussion session	
5.15 pm	Close of Day 1 sessions	
6.15 pm	Cocktail function and Conference dinner Speaker Neeraj Buch	Sponsored by: 
10.15 pm	End of Day 1	

PROGRAM | TUESDAY 21 JULY

PLENARY SESSION		Sponsored by:  <i>Slipform Concrete Technologies, Innovations</i>
8.45 am	The diamond advantage – safety, comfort and economy using diamond sawcut pavement textures John Roberts	
9.15 am	Slipformed tunnel pavements Julian Dann	
9.45 am	Discussion session	
10.00 am	Morning tea	Sponsored by:  We create chemistry
STREAM C1		SITE VISIT
10.30 am	The performance of low noise diamond grinding (LNDG) Peter Carson & George Vorobieff	Depart for Site Visit
10.55 am	RONDA – pavement noise measurement on concrete roads Michael Chung & Renzo Tonin	Site Visit to Boral Cement depot and Lend Lease Nambucca Heads to Urunga project Hosted by Matthew Sinclair & Jamie Egan Packaged lunch provided. See below for details.
11.20 am	Performance of silicone sealants in sawn joints George Vorobieff & James Cui	
11.45 am	Application of a shrinkage reducing agent in concrete pavements Bruno D'Souza	
12.10 pm	Discussion session	
12.30 pm	Lunch	
STREAM C2		
1.30 pm	Concrete pavement analysis from mine subsidence effects Prathapa Ravindra	
1.55 pm	A study of ground performance for rigid pavement design - Pacific Highway upgrade across the Warrell Creek floodplain Doru Bobei	
2.20 pm	The advantages of furnace bottom ash products in providing pavement ground support in soft soils and wet weather Michael van Koeverden & Peter Ney	
2.45 pm	Discussion session	
PLENARY SESSION		Return from Site Visit
3.00 pm	Conference Closing Address Vice-President ASCP	
3.15 pm	Buses depart for Coffs Harbour airport	

SITE VISIT

Following morning tea on the Tuesday, a Site Visit will be conducted whilst Stream C papers are presented at the Conference venue.

The Site Visit will be to Lend Lease Engineering's project on the Pacific Highway from Nambucca Heads to Urunga (NH2U) to observe the production of concrete and its placement in the pavement. The tour will include a visit to the Boral Cement depot in Coffs Harbour where cement delivered by rail from Berrima is despatched by road to the construction site. Delegates will be required to remain on the bus when on site.

There will be a lunch stop off-site where delegates can leave the bus. Lunch packages will be provided by the Conference venue.

The specific construction activities which can be observed on the day of the tour will be subject to prevailing weather conditions and changes in construction schedules, and consequently they may vary from what is indicated above.

Delegates wishing to take part in the Site Visit must book at time of registration. Numbers will be limited, and bookings will be allocated strictly in order of application.

CONTINUING PROFESSIONAL DEVELOPMENT Attendance at this event may be eligible for credit towards Engineers Australia and other organisations' Continuing Professional Development requirements.

PRESENTERS

Eduardo Alcazar	Associate Transport Services, Aurecon Pty Ltd
Geoff Ayton	Honorary Member ASCP. Consulting Engineer
Doru Bobei	Associate, Aurecon Pty Ltd
Anna-Carin Brink	Director ISCP. Principal Pavement Engineer, AECOM
Neeraj Buch	President ISCP. Professor & Chairperson, Department of Civil and Environmental Engineering, Michigan State University, USA
Peter Carson	Senior Project Manager, Roads & Maritime Services NSW
Gavin Chadbourn	Asset Management Co-ordinator, Aurecon Pty Ltd
Michael Chung	Team Leader/Senior Engineer, Renzo Tonin & Associates
Juan Pablo Covarrubias	Director ISCP. Civil Engineer, TC Pavements, Chile
James Cui	Pavement Engineer, Engineering Services Asset Maintenance, Roads & Maritime Services NSW
Julian Dann	Managing Director Asia Pacific, GOMACO Corporation
Bruno D'Souza	ANZ Business Development Manager, Admixture Systems, BASF
Shane Dunstan	Director, Aran Australia Pty Ltd
Jamie Egan	Pavements Manager, Lend Lease Engineering
Gary Fick	Consulting Engineer, Trinity Construction Management Services, USA
John Figueroa	President ASCP. Technical Director, Aurecon Australia
Jim Grove	ATI Inc, Ames, Iowa, USA
Ian Hampton	National Technical & Operations Manager, Volumetric Concrete Australia
Graham Hennessy	Senior Pavements Manager, Engineering Services Asset Maintenance, Roads & Maritime Services NSW
Bob Higgins	General Manager, Pacific Highway, Roads & Maritime Services NSW
John Hodgkinson	Honorary Member ASCP. Concrete Pavement Consultant
Prathapa Ravindra	Pavement Engineer, Pavements Unit, Pavements & Geotechnical Engineering Services Asset Maintenance, Roads & Maritime Services NSW
John Roberts	Executive Director, International Grooving & Grinding Association, USA
Alan Ross	General Manager, BOSFA, NZ
Matthew Sinclair	Regional Sales Manager NSW, Boral Cement Limited
Vute Sirivivatnanon	Professor of Concrete Engineering, University of Technology, Sydney
Peter Taylor	Director ISCP. Associate Director, National Concrete Pavement Technology Center, Ames, Iowa, USA
Michael van Koeverden	Director, BG&E Materials Technology
George Vorobieff	Director ISCP. Principal Engineer, Pavements & Geotechnical Engineering Services Asset Maintenance, Roads & Maritime Services NSW
Neil Webb	Principal Engineer, AECOM
Craig Whitaker	Senior Concrete Engineer, Leighton Holdings Pty Ltd





CO-AUTHORS

Marita Berndt	Associate Transport Services, Aurecon Pty Ltd
Carlos Binder	Civil Engineer, TC Pavements, Chile
Mark Hoskins	Project Manager, Leighton Contractors Pty Ltd
Justin Moss	Principal Pavement Engineer & Team Leader, Hyder Consulting
Peter Ney	Principal, BG&E Materials Technology
Victor Roco	Civil Engineer, Ministry of Public Works, Chile
Warren South	Director - Research and Technical Services, Cement Concrete & Aggregates Australia
Renzo Tonin	Managing Director, Renzo Tonin & Associates
Xuhao Wang	Postdoctoral Research Associate, Iowa State University, USA
Ezgi Yurdakul	Concrete Scientist, Grace Construction Materials, USA

REGISTRATIONS

Register on the ASCP website 'Events Page' www.concretepavements.com.au

Fees (incl GST)	Register & pay by 30 April	Register and pay between 1 May & 20 June	Register & pay after 20 June
ASCP Member	\$640.00	\$750.00	\$860.00
Non-Member	\$930.00	\$1,090.00	\$1,280.00

Conference registration fees include attendance at all sessions, a USB containing all of the papers and PowerPoint presentations, morning and afternoon teas and lunches on both days of the Conference, and attendance at the Conference cocktail function and dinner.

A Tax Invoice will be issued following registration.

Registration fees do not include:

- › delegates' travel costs to and from the Conference
- › delegates' accommodation costs
- › breakfasts – note that the below accommodation options include breakfast
- › dinner on the Sunday night prior to the Conference – this is an optional extra at an additional cost
- › any other incidental expenses incurred by delegates.

As the Conference venue has limited capacity (up to approximately 140 delegates), registrations will be accepted strictly in order of date/time of registration.

Cancellations and substitutions

Cancellations made by 20 June must be advised by email to exec@concretepavements.com.au. In such cases, registration fees will be refunded after deduction of a 10% administration fee.

Registration fees for cancellations made after 20 June will not be refunded.

Should a registered delegate not be able to attend the Conference, they may nominate a substitute delegate. Such nominations must be advised by email to exec@concretepavements.com.au.

Accommodation options

ASCP has reserved accommodation for up to 130 delegates at the Conference venue, BreakFree Aanuka Beach Resort. A proportion of the reserved rooms will be released back into the resort's booking system progressively after 20 April. If you wish to stay at the resort, you should book your accommodation at the time of registration.

Accommodation options include:

- › **Hotel Studio Room** – 1 king bed, tea/coffee facilities, suitable for 1 person or couple. \$140.00 per night including one breakfast.
- › **Paradise Spa Bure** – 1 king bed, 1 sofa, spa bath, lounge/dining area, patio, kitchenette, laundry, suitable for 1-2 people. \$176.00 per night including one breakfast.
- › **Two Bedroom Spa Villa** – two bedrooms with either one king bed or two single beds, majority with two bathrooms, ensuite with spa, lounge/dining area, patio, full kitchen, laundry, suitable for twin – quad share. \$240.00 per night including two breakfasts.

These rates will apply to reservations for accommodation within the period from 18 July to 23 July.

For stays of less than 7 days, rooms are not serviced. Servicing of rooms can be arranged at an additional cost.

Accommodation must be booked separately with the venue.

Please call BreakFree Aanuka Beach Resort direct on 02 66 527 555 and mention that you will be attending the Australian Society of Concrete Pavements Conference 19 -21 July 2015 in order to receive the discounted accommodation rates. Note that a credit card surcharge applies. The resort is linked to The Hotel Network.

There is also a wide range of accommodation options in Coffs Harbour, which is only some 10 minutes' drive from Aanuka Beach Resort.

Transfers from and to airport

A bus operated by Newcombe Coach Lines will be available to transfer delegates from Coffs Harbour airport to the Conference venue on the afternoon of Sunday 19 July. It will meet the Qantas and Virgin flights arriving at 3.50pm and the Qantas flight arriving at 4.50pm.

Following the Conference, a bus will be available to transfer delegates from the venue to Coffs Harbour airport for the Virgin flight at 4.20pm and the Qantas flight at 5.15pm.

The charge for these transfers is \$10.00 per person each way. Should you wish to use these services, please indicate on the form when registering.



Sunday 19 July dinner option

It is anticipated that most delegates will arrive at the Conference venue on the afternoon of Sunday 19 July. As the venue restaurant has limited capacity for a Conference delegation, we have organised for dinner to be available in a separate room which can accommodate some 80 delegates. Delegates wishing to avail themselves of this must book on the form when registering and pay an additional amount of \$55.00 for the dinner, comprising two courses, each with two selections. Drinks will be at the delegate's own expense. Bookings will be taken strictly in order of application.

Others can either book for dinner in the venue restaurant, or make other arrangements from choices available in Coffs Harbour.

Additional Conference dinner tickets

Subject to availability, additional tickets for the Conference cocktail function and dinner on the Monday evening may be available for purchase at \$125.00 each including GST. Please advise the number of additional tickets you may wish to purchase on the registration form. You will be advised regarding availability closer to the event and invoiced separately.

Carparking

Delegates with cars staying at the resort will be directed to the carpark closest to their accommodation when checking in. Carparking for delegates not staying at the resort is available in Car Park No 1, convenient to the Conference rooms, on the left hand side of the main driveway into the resort. Additional carparking is available on Firman Drive outside the resort.

Event alterations or cancellation

ASCP reserves the right to cancel, or alter the content and/or speakers for this event, or to cancel this event. Paid registration fees will be fully refunded if ASCP cancels the event.

ASCP contact details

Executive Director

129 Grandview Drive, Newport NSW 2106

Tel: 02 9918 2610

Email: exec@concretepavements.com.au

Website: www.concretepavements.com.au



REGISTRATION FORM

Date submitted _____
Name _____
Company _____
Phone no _____
Email _____

Registration fee

ASCP Member Amount \$ _____
 Non-Member Amount \$ _____
 Presenter (limit of one presenter per paper) Amount \$ _____

Dinner – Sunday 19 July (\$55 per delegate)

Yes No Amount \$ _____

Conference cocktail function and dinner – Monday 20 July

Will you be attending this function? Yes No

Dietary requirements – vegetarian/other (Please advise) _____

Site visit – Tuesday 21 July

Yes No

Bus transfers from/to Coffs Harbour airport

Sunday 19 July: No of persons @ \$10.00 _____ Amount \$ _____

Tuesday 21 July: No of persons @ \$10.00 _____ Amount \$ _____

Flight arrival on Sunday Flight No _____ Arrival time _____

Flight departure on Tuesday Flight No _____ Arrival time _____

Accommodation booked Where _____

Date in _____ Date out _____

TOTAL AMOUNT PAYABLE _____

Following registration on the ASCP website, please scan and email this form to the Executive Director at exec@concretepavements.com.au or alternatively, mail to 129 Grandview Drive, Newport NSW 2106.