

ASCP CONCRETE PAVEMENTS FORUM



SYDNEY

Monday 19 March 2018 8.30 am to 5.30 pm

Ryde Eastwood Leagues Club, 117 Ryedale Road, West Ryde



Materials – slag, flyash, quarry products

Student research reports

Assessment and management of defects

ASCP Gold Members



ABOUT THIS FORUM

In 2018 ASCP celebrates ten years of operations. Incorporated on 2 October 2007, ASCP commenced operations in 2008, holding its first Forum and Annual General meeting on 31 March 2008. Our 11th Annual General meeting will be held during this Forum.

In recent times fly ash as a concrete pavement Supplementary Cementitious Material has become more volatile in supply. **David Hocking** explores the use of GGBFS (slag cement) as an alternative SCM permitted under RMS 3211 in R82 lean mix and R83 CRCP base mix, and associated differences to the incumbent mix designs. With an earlier background in management of premixed concrete and quarry operations, **Tom Kovacs** will present on the management of the quarry process and product quality.

We are very pleased to have three student research reports. **Stephen Kelly** and **Gregory Fazzino** will report on their research undertaken into the effect of aggregate type on CRCP and the response to thermal loading on concrete containing different aggregate types. **Caleb Hayne** will report on investigations into the more significant cyclic movements of a concrete pavement and their impact on the pavement's contact with the subbase layer. Also related to the volatility in supply of flyash, **Farzad Moghaddam** will report on an experimental study on evaluation of the important characteristics of using run of station fly ash and other SCMs as alternatives to classified fly ash, including the effect of their characteristics on workability, strength and durability.

The afternoon session focusses on defects, their assessment, and whether or not non-conforming concrete needs to be removed and replaced. **Laszlo Tamas** has collected a wealth of information about pavement defects from DCM and D&C contracts and how this information can be used for quality risk management processes and to reduce rework and minimise defects reoccurring in these high risk areas. He will recommend various management tools that will improve process control and manage the quality risk in these areas. **Peter Carson** questions whether all non-conforming concrete requires R&R. He will present on a case study of where some un-cured concrete was incorporated into the works, discuss assessing strength and durability impacts, and discuss negotiating an appropriate commercial outcome.

Following the technical presentations, **Todd Myers** will give a brief overview on the formation of ASCP, its achievements and impact over its first 10 years, and where it may develop into the future. This will be followed by some appropriate refreshments to celebrate ASCP's 10th anniversary and to provide more networking time for all delegates.

PROGRAM: MONDAY 19 MARCH 2018

8.30 am	Registrations
9.00 am	Welcome and introduction Kevin Abrams
9.15 am	Influence of Ground Granulated Blast Furnace (GGBFS) Slag cement in concrete pavement mix designs David Hocking
9.45 am	Management of quarry process and product quality (from a concrete producer's viewpoint) Tom Kovacs
10.15 am	Discussion
10.30 am	Morning tea
11.00 am	The influence of aggregate type upon the thermal expansive behaviour of continuously reinforced concrete pavement Gregory Fazzone & Stephen Kelly
11.30 am	Investigation of significant movements associated with concrete pavements and related legislation to mitigate movements Caleb Hayde
12.00 pm	Effect of run-of-station flyash and other SCMs on various properties of high performance concrete Farzad Moghaddam
12.30 pm	Discussion
12.45 pm	Lunch
1.45 pm	ASCP 11 th Annual General Meeting ASCP Members; other delegates are welcome to attend
2.15 pm	Defects – Does a magical cream exist? Laszlo Tamas
2.45 pm	Assessing concrete surface durability Peter Carson
3.15 pm	Discussion
3.30 pm	ASCP from 2008 to 2018 – past achievements and forward direction Todd Myers
4.00 pm	Celebrating ASCP's 10 th anniversary refreshments, networking
5.30 pm	Forum close

SPEAKERS

Kevin Abrams	Executive Director Australian Society for Concrete Pavements
Peter Carson	Senior Project Manager Roads and Maritime Services
Gregory Fazzone	Engineering Assistant (Undergraduate Geotechnical) Pells Sullivan Meynink
Caleb Hayde	Undergraduate Pavement Engineer Aurecon
David Hocking	National Technical Manager – Concrete Boral Australia
Stephen Kelly	Undergraduate Geotechnical EIC Activities
Tom Kovacs	Technical Manager Concrete NSW/ACT Boral Australia
Todd Myers	President Australian Society for Concrete Pavements
Farzad Moghaddam	Research Engineer University of Technology Sydney
Laszlo Tamas	Maintenance Contracts Manager – Engineering Lendlease

REGISTRATION

Closes Wednesday 14 March 2018. This is required for finalising catering numbers. Register through the ASCP web site www.concretepavements.com.au.

Select 'Events' tab - select this event - click 'Register' button.

FEES

Members of ASCP: no fee.
Non-Members: \$125.00 (GST inclusive).

A Tax Invoice will be issued on payment.

No refunds for cancellations after 14 March 2018, but substitute names will be accepted.

PAYMENT OPTIONS

Credit Card

On website registration, select 'PayPal' and use your MasterCard or Visa Card.

Direct credit

Pay directly to ASCP St George Bank Account
BSB: 112 879

Account No: 155 778 722

PLEASE PUT YOUR NAME IN THE REFERENCE FIELD SO WE CAN IDENTIFY YOUR PAYMENT

Cheque to

Australian Society for Concrete Pavements
129 Grandview Drive, Newport NSW 2106

CONTINUING PROFESSIONAL DEVELOPMENT

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

ASCP SILVER MEMBERS



ASCP BRONZE MEMBERS



ASCP CORPORATE MEMBERS

ASCP Corporate Members support our aims and objectives and contribute through participation, sharing of technical and industry information, and financial contributions.

Corporate Members are entitled to representative members, discounts on other memberships and event fees, discounts on Grey Card course fees, and discounts for exhibition spaces at events. They are recognised on our web site, event brochures and newsletters.

To become an ASCP Corporate Member, visit our website www.concretepavements.com.au and select the 'Sponsor' tab.