

CONCRETE PAVEMENTS

AIRFIELD PAVEMENT DESIGN, MATERIALS, ROAD RIDE QUALITY

DATE

Sydney (UTC+10)
Monday 18 May 2020
09:00–11:00

Paris (CEST)
Monday 18 May 2020
01:00–03:00

Los Angeles (PDT)
Sunday 17 May 2020
16:00–18:00

New York (EDT)
Sunday 17 May 2020
19:00–21:00

LOCATION

Live Online
[Teams Event Link](#)

FORUM OVERVIEW

- > Airfield concrete pavement design
 - > Cementitious products – testing for shrinkage
- > Practical steps to achieve excellent ride quality
- > Launch of ASCP PN001 – overview

9.00 am	Welcome and introduction	Kevin Abrams <i>Executive Director</i> Australian Society for Concrete Pavements
9.10 am	Brisbane airport new runway – Design of the concrete pavements	Ian Thompson <i>Senior Principal – Pavements</i> Jacobs
9.40 am	Shrinkage control and measurement of cementitious products	Daniel Bosco <i>Managing Director</i> Bluey Technologies
10.10 am	Achieving ride quality – Coopernook to Herons Creek project	Todd Myers <i>Director</i> TSM Civil Project Management
10.40 am	Concrete Pavement Value ASCP Pavement Note 001	Justin Moss <i>President</i> Australian Society for Concrete Pavements
10.55 am	Forum windup	Kevin Abrams <i>Executive Director</i> Australian Society for Concrete Pavements
11.00 am	Forum close	

ASCP PAVEMENT NOTE 001 – RELEASE

The ASCP National Executive has spent the last six months developing the first of its industry briefing notes – **Pavement Note 001 "Concrete Pavement Value: Economic, Operational and Community Benefits"**. The Note presents a concise summary of the eight key benefits of concrete pavements when compared with asphalt pavements. It concludes that...

"Concrete pavements are significantly lower in construction cost, maintenance cost and, consequently, whole of life cost. Additionally, they are smooth, skid resistant, more rapidly constructed, less labour-intensive, less equipment-intensive, more durable, and more available in-service. As such, concrete pavements surpass asphalt pavements in all aspects."

The document is supported by high quality references and graphics. The intended audience is decision makers, funders, engineers and highway technical staff.

Please pass this on to colleagues that would benefit from such a concise summary of issues:

[Click here to view Pavement Note 001](#)

Kevin Abrams, Executive Director

02 9918 2610

exec@concretepavements.com.au

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REGISTRATION

Register through the ASCP web site.
Select 'Events' tab -
select this event - click
'Register' button.

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FEES

ASCP Member
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Non-Members
No fee

ABOUT THIS FORUM

As the construction of the new runway at Brisbane airport nears completion, **Ian Thompson** will outline the pavement design process with an emphasis on the concrete taxiway pavements. Ian's presentation will include functional requirements of the different pavements, traffic mix including assessment of future aircraft, concrete thickness design, and construction details.

Volumetric stability of cement products from the time of casting through to curing and service life is a complex and widely misunderstood field. There are many ways to reduce shrinkage, and various forms of additives to compensate against shrinkage of concretes, grouts and mortars. **Daniel Bosco** will investigate some of the limitations to testing for shrinkage and also the relevance of various test methods. This discussion may not answer all of the questions about why we see cracking in concrete, but hopefully it will at least highlight the complexity of this field.

Todd Myers' looks back on the Cooperook to Herons Creek project built in 2009-2010, and reviews some of the practical steps taken to achieve an excellent ride quality on the project. These include plant selection, mix design, concrete quality, pre-spreading of concrete and training of the team, just to name a few.

CONTINUING PROFESSIONAL DEVELOPMENT

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

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