



AUSTRALIAN  
AIRPORTS  
ASSOCIATION

Program

# Pavements & Lighting Workshops

Tuesday, 19 May 2020



AIRPORT OPERATIONS

**OPS SWAP**

## Forum 2020

Wednesday, 20 & Thursday, 21 May 2020

PULLMAN BRISBANE,  
KING GEORGE SQUARE

[WWW.AIRPORTS.ASN.AU](http://WWW.AIRPORTS.ASN.AU)

The biennial **OPS SWAP Forum** will return in 2020 and with a comprehensive program focused on **technical issues, new technologies, and challenges** that airports face on a daily basis.

The program will incorporate plenary sessions and panel discussions which focus on specific and detailed operational issues.

**OPS SWAP FORUM THEMES WILL INCLUDE:**

- Wildlife and Hazard Management
- Case Studies
- MOS 139
- Risk Management
- Airside Safety
- Airside Operations
- Compliance Risk and Emergency Management
- Technology
- And more

In addition to the OPS SWAP Forum, the ever popular Pavements Workshop and Lighting Workshop will be held the day prior on Tuesday, 19 May.

## DETAILS

# Pavements & Lighting Workshops

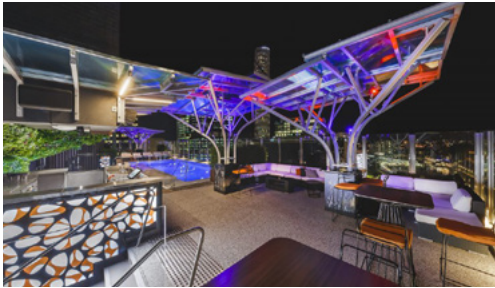


Tuesday, 19 May 2020

The Pullman Hotel  
King George Square, Brisbane

9am – 5.15pm

## Exclusive Networking Drinks



Tuesday, 19 May 2020

Sixteen Antlers  
Pullman & Mercure Brisbane  
King George Square, Brisbane

5.30pm – 7.30pm

Dress: Business/Smart Casual

Join us for networking drinks at Sixteen Antlers, the roof top bar of the Pullman and Mercure Hotels, after the Pavement and Lighting Workshops. This exclusive event will be an enjoyable evening canapes and drinks, networking and making new industry connections whilst overlooking the Brisbane CBD.

AIRPORT OPERATIONS

# OPS SWAP

## Forum 2020



Wednesday, 20 and Thursday, 21 May 2020

The Pullman Hotel  
King George Square, Brisbane

9.00am – 5.00pm Wednesday

9.00am – 3.30pm Thursday

## Airport Trivia and Networking Dinner



Blackbird Bar and Grill Restaurant  
Riverside Centre  
123 Eagle Street, Brisbane City

7.00pm – 10.00pm

Dress: Smart Casual

Join us for the Airport Trivia and Networking Dinner at Blackbird Bar and Grill at Eagle Street Pier. Our exclusive access provides a great opportunity to network and relax with industry professionals and also includes the popular and hotly contested Airport Trivia Quiz whilst overlooking the iconic Story Bridge.

## REGISTRATION

### Pavements & Lighting Workshops (19 May 2020)

*Price includes Exclusive Networking Drinks on Tuesday evening*

AAA Airport Member	\$550
AAA Corporate Member / AAPA Member	\$660
Non Member	\$990

### OPS SWAP (20 & 21 May 2020)

*Price includes Airport Trivia and Networking Dinner on Wednesday evening*

AAA Airport Member	\$990
AAA Corporate Member / AAPA Member	\$1,320
Non Member	\$1,990

### OPS SWAP (20 & 21 May 2020) and Pavements or Lighting Workshops (19 May 2020)

*Price includes Welcome Networking Drinks on Tuesday evening and Airport Trivia and Networking Dinner on Wednesday evening*

AAA Airport Member	\$1,430
AAA Corporate Member / AAPA Member	\$1,650
Non Member	\$2,200

### Social Functions

Exclusive Networking Drinks	\$85
Airport Trivia and Networking Dinner	\$140

*All registration fees include GST*

[CLICK HERE TO REGISTER](#)

0900-0910	<b>Pavements Workshop Welcome</b>
0910-0915	<b>Platinum Partner Welcome</b>
0915-0945	<b>Downer Presentation</b>
0945-1015	<p><b>Future developments in asphalt mix specifications</b> Bevan Sullivan, National Technical Manager, Fulton Hogan</p> <ul style="list-style-type: none"> <li>• Understanding the difference between AAA and Australian Standards test methods</li> <li>• PQI's and improved compaction control methods</li> <li>• Austroads changes in mix design methods, linking to FAA and equipment availability</li> </ul>
1015-1045	<p><b>Mackay Airport Runway Preservation Project, October 2019</b> Bayden Matheson, Manager Infrastructure and Maintenance, Mackay Airport</p> <p>Following presentation 'Challenges for trialling, selecting, tendering and executing asphalt preservation' by Adrian Miles, Manager Airport Assets, Mackay Airport at the AAA Pavement Technology Workshop in May 2018, Bayden's presentation will include:</p> <ul style="list-style-type: none"> <li>• Process for selection of asphalt preservation treatment</li> <li>• Agreed outcomes from joint workshop with Downer Airports</li> <li>• Lessons learned</li> <li>• Project outcomes</li> </ul>
1045-1115	<b>Morning Tea</b>
1115-1145	<p><b>Brisbane Airport New Runway - Pavement design lessons</b> Ian Thompson, Senior Principal – Pavements, Jacobs</p> <p>As the construction of the new runway at Brisbane Airport nears completion, Ian will outline the pavement design process, reflecting on how this became a reality. Ian's presentation will include:</p> <ul style="list-style-type: none"> <li>• Functional requirements of the different pavements</li> <li>• Pavement design options</li> <li>• Traffic mix including assessment of future aircraft</li> <li>• Subgrade design</li> <li>• Long-term settlements</li> <li>• Thickness design</li> <li>• Concrete mix design aspects</li> <li>• Asphalt mix design aspects</li> </ul>

1145-1215	<p><b>Emerald Airport Case Study: Stone Mastic Asphalt Runway</b>            Salomon Kloppers, Manager Emerald Airport, Central Highlands Regional Council            Peter Carbone, Manufacturing Operations Manager, Qld, Boral</p> <ul style="list-style-type: none"> <li>• Why was the project under such extreme time pressure and what measures were put in place to manage the resultant risks?</li> <li>• Why was traditional Asphalt not a good fit?</li> <li>• What is Stone Mastic Asphalt and how were the specific risks of this technology managed?</li> <li>• What does this mean for our industry going forward?</li> </ul>
1215-1245	<p><b>New MOS Part 139 - Aerodromes standards and their impact on pavements</b></p>
1245-1330	<p><b>Lunch Break</b></p>
1330-1415	<p><b>Defence pavement management system</b>            SQNLDR Nicole Sutton, Estate Engineering Policy, Department of Defence</p> <ul style="list-style-type: none"> <li>• Defence pavement condition rating system</li> <li>• Inspection and maintenance program</li> <li>• Current challenges</li> </ul>
1415-1500	<p><b>Panel - Pavements Working Group</b>            Zehra Kaya, National Business Manager - Roads &amp; Pavements, HUESKER Australia            Matt Glenn, Aviation Director - Airfields, Infrastructure, Aurecon            Richard Horton, Melbourne Airport            Craig Ridgley, Technical Director - Aviation, AECOM            Robert Antoun, Managing Director, Antoun</p>
1500-1530	<p><b>Cool Pavements and the Temperature of Pavements</b>            Jessica Westthorp, Civil Engineer, Adelaide Airport</p> <ul style="list-style-type: none"> <li>• Sustainability and climate change at airports</li> <li>• Impact of high temperatures on pavements and surrounding airport infrastructure</li> <li>• Pavement surface treatments</li> <li>• Pavement temperature monitoring</li> </ul>
1530-1600	<p><b>Afternoon Tea</b></p>

1600-1630	<p><b>Christchurch International Airport: Fibre Reinforced Asphaltic Surfacing, RWY 02-20 implementation summer 2020</b></p> <p>Craig Ridgley, Technical Practice Group Lead – Aviation, AECOM Dr Milad Ebrahimi, Principal Aviation Engineer, AECOM</p> <p>AECOM have been developing an aramid – polypropylene fibre reinforced AC14 and AC20 mixes to combat aged related mix cracking issues at Christchurch International Airport. This technical presentation overviews the mix characteristics and why this type of additive is beneficial to airside surfacing asset managers. These mixes have:</p> <ul style="list-style-type: none"><li>• Been developed from Milad Ebrahimi’s masters project on fibre reinforced asphaltic mixes</li><li>• Superior fatigue and rut resistant characteristics</li><li>• Been under trial for 2 years and undergone an extensive laboratory testing program</li></ul>
1630-1700	<p><b>Pavement R&amp;D project</b></p> <p>Rebecca Gravina, RMIT University</p>
1700	<p><b>Pavements Workshop Close</b></p>
1730-1930	<p><b>Welcome and Networking Drinks</b></p> <p>Sixteen Antlers, Pullman &amp; Mercure Brisbane, King George Square, Brisbane</p>

0900-0910	<b>Lighting Workshop Welcome</b> Samantha Leighton, Policy Manager, Australian Airports Association
0910-0915	<b>Platinum Partner Welcome</b>
0915-0945	<b>Compliance by Design with the AS3000</b> Steve Henstock, Director, Valupa David Alm, Senior Technical Director - Aviation, GHD
0945-1030	<b>New MOS Part 139 - Aerodromes standards and their impact on Airfield Lighting</b>
1030-1100	<b>Morning Tea</b>
1100-1130	<b>Runway Status Lights and Safeguarding Operations</b> Michael Walter, ADB Safegate
1130-1200	<b>Connected Lighting Solutions through Telemetry and Software</b> Vicky Clarke, Sales Engineer – Australia and Pacific, Avlite <ul style="list-style-type: none"> <li>• Construction and its impacts on airports</li> <li>• Obstacle lighting – how do you know your safety-critical asset is working?</li> <li>• Star2M – new technology, capabilities and application</li> </ul>
1200-1245	<b>Lighting Maintenance / Technology</b> Robert Shapton, MALMS
1245-1330	<b>Lunch Break</b>
1330-1400	<b>New Airfield Maintenance Technology</b> Gerard Prout, SGK Lifters
1400-1430	<b>Lessons Learnt over 40 years undertaking Airport Lighting Design and Project Management</b> Kym Tapscott, Managing Director, Airpelec Consultants <ul style="list-style-type: none"> <li>• Runway Light Spacing</li> <li>• Stop Bar design</li> <li>• ALER design</li> <li>• Method of light installation</li> <li>• Cable reticulation systems</li> <li>• Control systems</li> </ul>
1430-1500	<b>Lighting on Defence Aerodromes - Standards and Practices</b> Mark Van Zommeran, Department of Defence
1500-1530	<b>Afternoon Tea</b>



1530-1600	<b>New innovative products in Airfield Ground Lighting (AGL)</b> Daniel Callard, Sales and Marketing Manager, Avionics
1600-1645	<b>Panel - Airfield Ground Lighting (AGL) Working Group</b> Chair: Jimmy Maitland, General Manager/Director Sales, ADB Safegate
1645-1700	<b>Lighting Workshop Close</b> Samantha Leighton, Policy Manager, Australian Airports Association
1730-1930	<b>Welcome and Networking Drinks</b> Sixteen Antlers, Pullman & Mercure Brisbane, King George Square, Brisbane

0900-0910	<b>OPS SWAP Welcome</b>
0910-0915	<b>Platinum Partner Welcome</b>
<b>Keynote Presentations</b>	
0915-0945	<b>Operational Experience at airports around the world</b> Gert-Jan de Graff, Chief Executive Officer, Brisbane Airport
0945-1030	<b>Airservices Australia ARFF presentation</b>
1030-1100	<b>Morning Tea</b>
<b>Airside Safety</b>	
1100-1130	<b>Brisbane Airport's Integrated Vegetation Management (IVM) project</b> Jackson Ring, Wildlife Management and Planning Coordinator, Brisbane Airport <ul style="list-style-type: none"> <li>• Utilising grass management technology to make the airport as unattractive to wildlife as possible</li> <li>• Journey to develop an IVM program targeting wildlife hazard reduction</li> <li>• Program and success measure elements</li> </ul>
1130-1200	<b>Drones Presentation</b> The Department of Infrastructure, Transport, Cities and Regional Development
1200-1245	<b>Panel – Airports working with the airside community on airside vehicle and driver safety and compliance</b> Nathan McIntosh, Manager Aviation Safety Systems, Sydney Airport Darren McKenzie, Aviation Safety Manager, Perth Airport
1245-1330	<b>Lunch Break</b>
<b>Airport Operations</b>	
1330-1400	<b>A new look at Business Continuity Plans</b> Jenny Kox, Terminal Operations Systems & Standards Manager, Perth Airport <ul style="list-style-type: none"> <li>• Review of BCP's so more user-friendly</li> <li>• Integration of BCP's into BAU and emergency response management</li> <li>• How to show escalation and de-escalation of an incident</li> </ul>

1400-1430	<p><b>Airside Driving Simulator</b> Mick Morris, Airside Operations Training Coordinator, Brisbane Airport</p> <ul style="list-style-type: none"> <li>• Simulator origin &amp; concept</li> <li>• Current use on airport</li> <li>• Simulator in use</li> <li>• Use of BIM and gamification</li> </ul>
1430-1515	<p><b>Regional Airports Operations Panel</b> Salomon Kloppers, Central Highlands Regional Council Mike Clancy, Darwin Airport Kirsten Sandford, CASA</p>
1515-1545	<p><b>Afternoon Tea</b></p>
1545-1615	<p><b>Supporting airfield construction activities while ensuring operational safety and efficiency</b> Laphang Chung, Senior Aviation Consultant, To70 Aviation Australia</p> <ul style="list-style-type: none"> <li>• Like Changi Airport, many brown-field airports in Australia have been/are going to expand significantly</li> <li>• The importance of achieving a fine balance between operational safety &amp; efficiency and expansion progress</li> <li>• Besides standard regulatory requirements, such as WSO and MOWP, how does Changi Airport approach the issue of juggling between operations and constructions?</li> <li>• Technologies adopted and measures undertaken to be shared</li> <li>• Universal lessons learnt that can be applicable to your airports, regardless of size and traffic volume</li> </ul>
<b>Compliance, Safety, Risk and Emergency Management</b>	
1615-1645	<p><b>Applied Risk Management – New MOS 139 requirements and an increasingly complex governance environment</b> Kieran Donovan, Managing Director, Lower Capital</p> <ul style="list-style-type: none"> <li>• Globally preferred risk management practices</li> <li>• The new MOS 139 Risk Management Plan requirements</li> <li>• Guidelines for designing and implementing an effective risk management framework</li> </ul>
1645-1715	<p><b>ASIC Online</b> Brisbane Airport</p> <ul style="list-style-type: none"> <li>• The ability to move our access and ID application process to an online system</li> </ul>
1715	<p><b>OPS SWAP Day One Close</b></p>
1815	<p><b>Airport Trivia and Networking Dinner transport</b> Bus departs from Pullman King George Square to Blackbird Bar and Grill</p>
1900-2200	<p><b>Airport Trivia and Networking Dinner</b> Blackbird Bar and Grill, Eagle Street Pier Bus returns to Pullman King George Square</p>

0900-0915	<b>OPS SWAP Welcome</b>
<b>Keynote Presentations</b>	
0915-0945	<b>Platinum Partner Presentation</b>
0945-1015	<p><b>Updates on the implementation of Part 139</b> Kirsten Sandford, Senior Standards Officer, (Aerodromes and Heliports), CASA</p> <ul style="list-style-type: none"> <li>• Transitional regulations</li> <li>• Sample aerodrome manual</li> <li>• Manual Authoring and Assessment Tool (MAAT)</li> </ul>
1015-1100	<p><b>New Accident Reporting Brochure and general ATSB update</b> Greg Hood, Chief Commissioner and Chief Executive Officer, Australian Transport Safety Bureau</p>
1100-1130	<b>Morning Tea</b>
1130-1200	<b>Airservices Australia presentation</b>
1200-1230	<p><b>Coordinating community engagement</b> Michael Thomson, Head of Aviation, Canberra Airport</p>
<b>Airport and Terminal Operations</b>	
1230-1300	<p><b>Hidden Disabilities Program at Melbourne Airport</b> Nicole Ryan, Terminals Training and Safety Coordinator, Melbourne Airport Virginia Smedley, Customer Analytics Coordinator, Melbourne Airport</p> <ul style="list-style-type: none"> <li>• Accessibility and inclusivity</li> <li>• Best practice</li> <li>• The need for such programs to make travel available to everyone</li> </ul>
1300-1345	<b>Lunch</b>
<b>Wildlife Hazard Management</b>	
1345-1415	<p><b>Changes to MOS 139 – Wildlife Hazard Management – Are you ready?</b> Kylie Patrick, Principal Consultant, Avisure</p> <ul style="list-style-type: none"> <li>• Wildlife Hazard Management requirements (Chapter 17)</li> <li>• Differences between the old and new MOS regarding Wildlife Hazard Management</li> <li>• How airports can comply with the new MOS</li> </ul>
1415-1445	<p><b>Wildlife Hazard Management with a regional airport focus</b> Isaac Palmer, AVCRM</p>

1445-1515

**The new age of data management**

Alexandra Stone, Wildlife Biologist, Avisure

- Common problems in databases
- Discuss how data can measure the effectiveness of a Wildlife Hazard Management program
- How to make your database work for you
- Discuss customising reports through online reporting programs
- Explain the use of online programs, such as Tableau, for automatic wildlife risk assessments

1515

**OPS SWAP Close**

## PARTNERS

### Pavements Workshop Partners



Platinum Partner

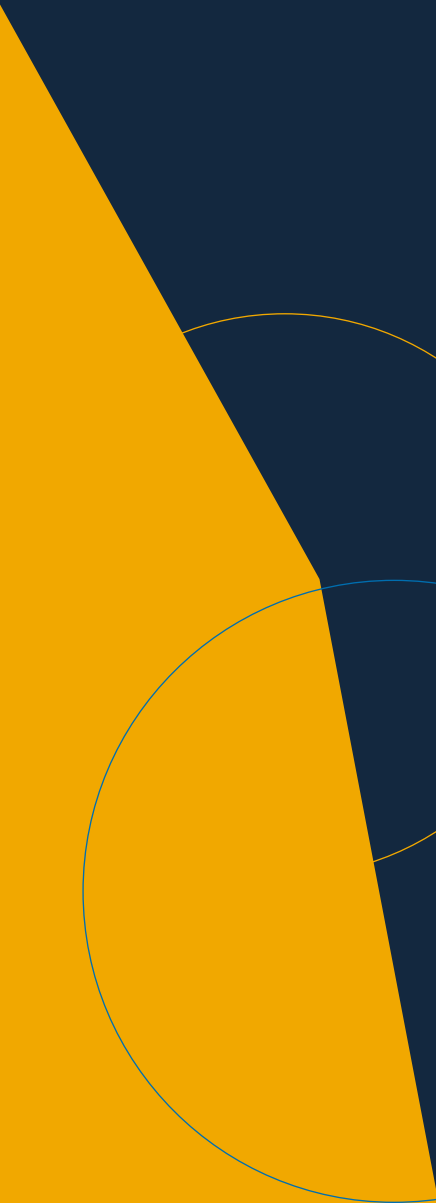
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