ENGINEERS AUSTRALIA

Earn CPD hours

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CIRCLY 7.0
Pavement Design Software Workshop

Hosted by: Civil/Structural

Overview
This is a hands-on workshop with PCs provided.

Pavement design in Australia has entered a new era with the release of the 2017 edition of the **Austroads Guide to Pavement Technology: Part 2: Pavement Structural Design**. The most extensive update to the Guide in more than a decade will significantly change the way in which designers develop next generation pavement engineering solutions. The new Guide was released in December 2017.

This workshop will empahsize **CIRCLY 7.0's** implementation of the significant changes to the **2017 Austroads Guide**.

The most significant change is how the details of the **Traffic Load Distribution (TLD)** are used as design inputs. The **Traffic Load Distribution** consists of the frequency distribution of Axle Group Loads.

The workshop will also introduce **APSDS** and **HIPAVE**, enhanced versions of **CIRCLY** which have been specifically developed for the design of airport and heavy industrial projects such as intermodal container terminal pavements.

Presenters:
Leigh Wardle, Principal, Mincad Systems Pty Ltd
Leigh is the developer of CIRCLY, APSDS (Airport Pavement Structural Design System) and HIPAVE for Heavy Industrial Pavements such as intermodal container terminal pavement design.

Ken McNabb, Principal Mincad Systems Pty Ltd
Ken is experienced in a range of numerical modelling packages in the field of geomechanics and geotechnical engineering.

Overview of CIRCLY
The CIRCLY Pavement Design software is the core of the flexible pavement design methodology defined by the **Austroads Pavement Design Guide.**

CIRCLY is a proven design tool used over the past two decades in thousands of design applications worldwide.

CIRCLY 7.0 (2017) is a significant advancement in pavement design: a fully integrated system with superior design power and ease of use. **CIRCLY 7.0** has many time-saving features such as an automatic thickness design capability that can save hours on a typical design job. A Parametric Analysis feature can loop through a range of thicknesses for one or two layers, while simultaneously designing the thickness of another layer. This feature will optimise up to three layers. Combining this with a Cost Analysis feature allows for fine-tuning of layer thicknesses to minimise construction and maintenance costs.

What will you achieve at the CIRCLY 7.0 Workshop?
At the conclusion of this workshop you will:
- Understand the theoretical basis of mechanistic pavement design methods
- Appreciate the role and limitations of computer models in pavement design
- Understand the sources of appropriate input data for payment design, and
- Have experience and knowledge on the use of **CIRCLY** for the design of flexible payments as prescribed by the **Austroads Pavement Design Guide**

VENUE
Vivid Room at NEX (Newcastle Exhibition & Convention Centre)
Cnr King & Union Streets
Newcastle

DATE & TIME
Tuesday 12 March 2019
1pm start – 5pm
Afternoon tea provided

RSVP
Tuesday 5 March 2019

COST
$300.00 EA Members
$500.00 Non Members
Numbers are strictly limited. Register early to secure your spot.

Please Note: We need a minimum of 15 registrants to run this Workshop.

REGISTER NOW

engineersaustralia.org.au