

Seminar series: Exhibition & site tour

Permeable paving & infiltration systems

Venue:	Aroma Café at Lirra Lirra, Waite Road, Netherby
Date:	13 March 2018
Registration:	9:00am
Time:	9:30am – 3:00pm
Cost:	\$30 – Water Sensitive SA partners, Stormwater SA members & TREENET institutional members \$50 – Others

Overview

Seminar: Adelaide's reactive clays have long been a perceived barrier to permeable paving and infiltration systems.

The City of Mitcham will demonstrate how collaboration between Council's engineering and horticultural teams is delivering benefits to the natural environment and civil assets via a range of projects incorporating permeable paving and infiltration systems. Russell King will impart his knowledge on how to avoid common mistakes when constructing permeable paving systems and describe how a recent project eliminated the need for major stormwater asset upgrades. Dr Tim Johnson will present data from PhD thesis, [Trees, stormwater, soil, and civil infrastructure: Synergies towards sustainable urban design](#), that tackles myths about trees, soil movement and the use of permeable paving.

Oxigen developed the landscape design for the Adelaide Oval Fig Tree Plaza project that applied permeable pavers and raingardens to this iconic site. Alex Game will take us on a journey that explores the design constraints presented by the historic fig trees through to the construction phase techniques that offer a model for the Adelaide landscape and civil design industries.

Exhibition & site tour: The event provides an opportunity to meet with the suppliers of a range of permeable and porous paving products over morning tea, followed by a site tour of some of the City of Mitcham's landscape and civil works projects including: Permeable paved roads, carparks and footpaths; and infiltration and bioretention systems.

Program

Time	Topic	Who
9:00am	Registration	
9:15am	Welcome	Mellissa Bradley
9:25am	Permeable paving – myth busting <ul style="list-style-type: none"> • Clogging • Infiltration in clays • Reactive soils • Tree roots 	Tim Johnson
10:00am	Lessons learned from permeable paving of roads and footpaths <ul style="list-style-type: none"> • Construction phase challenges • Whole-of-lifecycle costs 	Russell King
10.35am	Adelaide Oval – Fig Plaza and permeable paving <ul style="list-style-type: none"> • Construction around existing trees • Paving details • Low-tech solutions 	Alex Game



11:00-11:45am	Morning tea, view exhibitors	
12:00pm	Site tour including: <ul style="list-style-type: none"> • Permeable pavements – Kegworth & Wheaton Roads, Melrose Park • Infiltration systems – Doncaster Avenue, Colonel Light Gardens • Award winning biofiltration systems – Norman Reserve, St Marys • Permeable paving systems under construction – Kingswood (Lunch included)	Tim Johnson & Russell King
3:00pm	Close	

Exhibitors

A Plus Plastics – [GeoHex](#)

Littlehampton Bricks – [Smartpave](#)

Adbri Masonry – [Ecotrihex](#)

[Modi Building Technology](#)

Best Bricks & Pavers – [Bio paver](#)

What to bring

- Hi-viz vest
- Wide-brimmed hat

For more information, contact Mellissa Bradley, Program Manager, Water Sensitive SA – mellissa@watersensitivesa.com, 0431 828 980.

Event sponsors

Platinum



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Presenters



Dr Tim Johnson, Sustainable Infrastructure Engineer, City of Mitcham

Tim provides strategy and guidance for water sensitive urban design, green infrastructure, urban forestry, biodiversity conservation and climate change adaptation for the City of Mitcham. He is responsible for the delivery of water sensitive urban design initiatives and projects in streetscapes and reserves for the City of Mitcham. Tim has recently completed his PhD thesis, [*Trees, stormwater, soil and civil infrastructure: Synergies towards sustainable urban design.*](#)

Russell King, Principal Engineer, City of Mitcham



Alex Game, Oxigen

Alex has been at Oxigen since 2008, working across a wide-ranging portfolio including; landscape, urban design, architectural, furniture, signage, civil and infrastructure projects. Alex has also worked in Vancouver and on several high-profile projects across North America. Now based in Adelaide, Alex is involved with many regional and national projects.