WEDNESDAY 17 FEBRUARY 2016
Swinburne University of Technology, Room AMDC301, AMDC Building, Burwood Road, Hawthorn, VIC 3122

This 1-day seminar provides practical information and knowledge sharing on design and construction of sustainable land development including civil design aspects, water sensitive urban design and use of recycled materials that could save the cost of land development. The speakers are from an excellent mix of practicing engineers, road authorities, academics and researchers. Some of the speakers are:

- **RECYCLED MATERIALS IN PAVEMENT CONSTRUCTION** - Bruce Howden, Manager Market Development, Sustainability Victoria
- **VICROADS NEW INTEGRATED SPECIFICATION ON RECYCLED MATERIALS** - Sven Scheppokat, Vicroads
- **DOWNER LOW CO₂ ASPHALT: INCORPORATING TONER AND RECYCLED TYRE RUBBER INTO ASPHALT** - Jerry Tan, Downer EDI
- **TYRES IN CRUMBED RUBBER ASPHALT** - Didier Bodin, Senior Research Scientist - Australian Road Research Board
- **THE BENEFITS OF USING RECYCLED MATERIALS IN CIVIL INFRASTRUCTURE APPLICATIONS: MELBOURNE INTERNATIONAL AUTOMOTIVE TERMINAL** - Mitchell McGarry, Leighton Construction
- **RESEARCH AT SWINBURNE ON RECYCLED CONSTRUCTION AND DEMOLITION MATERIALS IN PAVEMENT BASES/SUBBASES** - Arul Arulrajah, Alireza Mohammadinia, Ehsan Yaghoubi and Tabassom Afshar - Swinburne University of Technology
- **USE OF RECYCLED GLASS FOR PIPELINE EMBEDMENT** - Kevin Dawson, Yarra Valley Water
- **EARTHWORK, DRAINAGE BACKFILL MATERIALS, GEOTECHNICAL ENGINEERING PROPERTIES** - Stephen Darmawan, Principal Engineer, Geotesta Pty Ltd
- **LAND SUBDIVISION AND LAND DEVELOPMENT - SMART CIVIL DESIGN ASPECTS** - John Yalden, Civil Design Manager, Taylors Pty Ltd
- **WSUD - DESIGN AND CONSTRUCTION ASPECTS** - Chris Beardshaw, Director of Afflux Pty Ltd and VP of Stormwater Victoria
- **STORMWATER HARVESTING – STANDARDS, REGULATIONS, AND INDUSTRY PRACTICE** - Iouri Vaisman, Director of IVWater Pty Ltd
# REGISTRATION FORM

**SEMINAR - SUSTAINABLE LAND DEVELOPMENT, CIVIL DESIGN ASPECTS AND RECYCLED MATERIALS**

**When:** Wednesday, 17th February, 2016  
**Time:** 8.45am, for a 9:00am start, until 3.30pm  
**Where:** Swinburne University of Technology, Room AMDC301, AMDC Building, Burwood Road, Hawthorn, VIC 3122  
**RSVP:** Thursday, 11 February 2016, 17:00  
**Cost:** $220.00 (lunch and coffee breaks provided)

**Further information:**  
Should you require further information, please contact:  
Marike on (03) 95628808 or by email vic@geotesta.com.au FAX (03) 95629098

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**Cancellation Policy:** Please note refunds cannot be made unless notification is received in writing no less than three working days prior to the event. Substitutions can be made at anytime without penalty.
SUSTAINABLE LAND DEVELOPMENT, CIVIL DESIGN ASPECTS AND RECYCLED MATERIALS

Wednesday 17th February, 2016
Swinburne University of Technology, Room AMDC301, AMDC Building, Burwood Road, Hawthorn, VIC 3122

8.45 to 9.00  Registration
9.00 to 9.10  Opening Remarks - Arul Arulrajah, Professor of Geotechnical Engineering, Swinburne University of Technology

Session 1  Recycled Materials in Pavements
Chair: Arul Arulrajah, Professor of Geotechnical Engineering, Swinburne University of Technology
9.10 to 9.30  Recycled materials in pavement construction - Bruce Howden, Manager Market Development, Sustainability Victoria
9.30 to 9.50  VicRoads new integrated specification on recycled materials - Sven Scheppokat, VicRoads
9.50 to 10.10  Downer Low CO₂ Asphalt: Incorporating Toner and Recycled Tyre Rubber into asphalt - Jerry Tan, Downer EDI

10.10 to 10.40  Break - Refreshments Served in the Foyer

Session 2  Recycled Materials in Pavements and Civil Infrastructure
Chair: Nicola Thom, Project Lead-Market Development, Sustainability Victoria
10.40 to 11.00  Tyres in crumbled rubber asphalt - Didier Bodin, Senior Research Scientist - Australian Road Research Board
11.00 to 11.20  The benefits of using recycled materials in civil infrastructure applications: Melbourne International Automotive terminal - Mitchell McGarry, Leighton Construction
11.20 to 11.55  Research at Swinburne on recycled construction and demolition materials in pavement bases/subbases - Arul Arulrajah, Alireza Mohammadinia, Ehsan Yaghoubi and Tabassom Afshar - Swinburne University of Technology
11.55 to 12.15  Use of recycled glass for pipeline embedment - Kevin Dawson, Yarra Valley Water

12.15 to 1.20  Break - Lunch Served in the Foyer

Session 3  Residential Subdivisions, Civil Design, Stormwater Drainage and WSUD
Chair: Robert Evans, Swinburne University of Technology
1.20 to 1.40  Earthwork, drainage Backfill materials, Geotechnical engineering properties - Stephen Darmawan, Principal Engineer, Geotesta Pty Ltd
1.40 to 2.00  Land Subdivision and land development - smart civil design aspects – John Yalden, Civil Design Manager, Taylors Pty Ltd
2.20 to 2.40  WSUD - Design and Construction Aspects - Chris Beardshaw, Director of Afflux Pty Ltd and VP of Stormwater Victoria
2.40 to 3.00  Stormwater Harvesting – Standards, Regulations, and Industry Practice - Iouri Vaisman, Director of IVWater Pty Ltd

3.00 to 3.10  Closing Remarks: Stephen Darmawan, Geotesta Pty Ltd
3.10 to 3.40  Break - Refreshments Served in the Foyer
3.40 to 4.30  Swinburne Laboratory Tours