



MELBOURNE & BRISBANE WITH BOYD RAMSEY

2020 GEOMEMBRANE WORKSHOP SERIES

MARCH 2020

ACIGS is pleased to announce two days of lectures focused on Geomembranes. The event is held in Melbourne & Brisbane, with Boyd Ramsey as the keynote lecturer. Delegates can attend either or both days of each workshop.

DAY 1

DESIGNING, SPECIFYING & CONSTRUCTING WITH GEOMEMBRANES

MORNING SESSIONS

Session 1

Geomembranes – A Broad Overview of All Geomembrane Types
Manufacturing – How PE Geomembranes are manufactured, Where, Raw Materials, Production Batching
Material Properties – Key material properties, Importance of Density, Industry references & Terminology & Test Methods
Interactive Panel Discussion

Session 2

Materials Conformance Testing – Industry references, Manufacturing QC, Assurance Testing, Sampling Options and Strategies
Materials Range – Thickness, Surface Finishes, Colors, Multi-Layer Materials, Advanced formulations & Alternative Materials
Interactive Panel Discussion

AFTERNOON SESSIONS

Session 3

Case Study – Geomembrane Protection
Design – A Overview of GCL's
Designing with Geomembranes – An Overview
Case Study - Wrinkles & Bridging
Industry Practice – Construction Quality Control
Case Study - White Conductive Geomembrane

Session 4

Construction Quality Control – Construction Methods, Test methods, CQC & CQA Strategies, Integrity Surveys, Third party Oversight, Documentation
Case Study – White Conductive Geomembrane at a US Mine Site In-Service performance
Interactive Panel Discussion
Close

DAY 2

ADVANCED WORKSHOP GEOMEMBRANE DURABILITY

MORNING SESSIONS

Session 1

Conventional Approach to Durability – Characterising Durability, Why PE degrades, How Degradation is Resisted, Classical Models, Index Tests.
New Material Trends – Bi-Modal Materials, High Temperature Performance, Low Permeability, Chemical Resistance & Strain Resistance
Interactive Panel Discussion

Session 2

Emerging Durability Testing Themes
Testing Durations and Project Implications
Predicting OIT Retention
Thin Film Durability Testing
Stress Crack Test – Strain Hardening as a Viable Alternative
OIT Test Methods – Issues with Multi-Layer Materials and ASTM Test Method Revisions
Case Study – Application Specific Material Formulations, What's Not Captured on a Specifications Sheet
Interactive Panel Discussion

AFTERNOON SESSIONS

Session 3

Case Study - Success & Failures with Durability Tests
PFAS Materials – Current State of Practice
Characterising Materials – Index tests, Accelerated Aging Options, How to Characterize Different HDPE Materials, Complex Project requirements
Interactive Panel Discussion

Session 4

Case Study – Conductive Geotextiles
Project Specific Material Selection – Candidate Material Assessment and Ranking, and Test Strategies to confirm the required performance
Interactive Panel Discussion
Close

MELBOURNE

When: 16th & 17th March 8:00 AM - 4:00 PM
Location: Engineers Australia, Level 31,
600 Bourke Street, Melbourne, VIC
Contact: events@acigs.org

EVENT FEE(S):

1 Day Pass \$ 190.00
2 Day Pass \$ 325.00

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BRISBANE

When: 19th & 20th March 8:00 AM - 4:00 PM
Location: Engineers Australia, Level 9,
340 Adelaide Street, Brisbane, QLD
Contact: events@acigs.org

EVENT FEE(S):

1 Day Pass \$ 190.00
2 Day Pass \$ 325.00

Did you know that all students get free membership to the International Geosynthetics Society?



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Confirmed Speakers Key-Note Speaker Boyd Ramsey



Boyd Ramsey

Boyd has worked in the geosynthetics industry for over three decades, working primarily in the environmental containment and waste disposal industries. He has a long history as an employee of GSE Environmental LLC, now Solmax. He is an elected member of the Council of the International Geosynthetics Society, the co-chair of the IGS Technical Committee on Barriers and is the Secretary Treasurer of the IGS Foundation. He is a past chairman of several industry organizations including the Geosynthetic Materials Association and Geosynthetic Institute and has participated in many other industry trade groups. He is currently an independent consultant with a global client portfolio and is active in the Australasian geosynthetics marketplace.

Additionally, Boyd is supported with a number of Australasian and International subject experts

Adam Maskal	Solmax	John Scheirs	Excelplas
Alex Gersch	Layfield	José Miguel Muñoz Gomez	Sotrafa
Amir Shahkolahi	Global Synthetics	Juan Riveros	Senversa
Attila Marta	Red Earth Engineering	Lis Boczek	ATC Williams
Christian Lisle	GreenTec Consulting	Luke Adams	Tonkin & Taylor
Darren Webb	Golder Associates	Marc Amstberg	Atarfil
Eric Blond	EB Consultant	Sean Ryan	Geofabrics
Glenn Gillan	Geofabrics	Siamak Paulson	Golder Associates
Graham Fairhead	Fabtech Australia		

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