

The 8th Asian Conference on Geosynthetics (GeoAsia8)
10 - 13 June 2025 | Brisbane Convention & Exhibition Centre

Day 1
Tuesday, 10 June 2025

Room	Boulevard Auditorium			
Session	Opening Ceremony			
08:30	Acknowledgement to Country & Conference Opening Ceremony			
Session	Fumio Tatsuoka Lecture Chairperson: Amir Shahkolahi			
09:00	Studies and Practices of Geosynthetic Reinforced Soil (GRS) Abutments and Integrated Bridge Systems Chao Xu Session sponsored by Maccaferri			
Room	Exhibition Hall			
10:00	Morning Tea Sponsored by Geoquest			
Room	Boulevard Auditorium	Boulevard B1	Boulevard B2	Boulevard B3
Session	Un-conference: Sustainable/Green Geosynthetic Engineering	Properties & Testing	Soil-geosynthetic interaction	Embankments
	Moderator: Chungsik Yoo, Yoshihisa Miyata	Chairperson: Jabulile Msiza	Chairperson: Jie Han	Chairperson: Chris Lawson
10:30	Sustainable/Green Geosynthetic Engineering: Applications in MSE Walls and Sponge Cities Nelson Chou Low-Carbon and Resilient Sustainable Engineering Ellen Pai	The promise and liabilities of Strain Hardening Modulus (SHM) Testing Samuel Allen	Masking Effects of Overlaying Aggregates on Geotextile Drainage Layers Bowe Yu	Numerical study of the dynamic response of stone column and geosynthetic encased stone column in liquefiable sands Mingchang Ji
10:50		Geosynthetic Clay Liners, why hydraulic conductivity (k-value) is the wrong value for a tender Henning Ehrenberg	Modified Coir geotextile-Soil interaction through interface shear tests Divya P.V	Numerical modelling of railway embankment resting on soft soil reinforced with granular columns in different arrangements Anandha Raj Lenin Kumar
11:00				
11:10		GCL Internal Shear Strength and Testing: Challenges and Misunderstandings Amir Shahkolahi	Influence of cyclic load on accumulated pullout displacement and pullout stiffness of geogrid embedded in ground Charan Kameri, Kenji Watanabe	Response of Railway GRS Bridge Abutment under Freight Trains Kunjan Saikia
11:30		Further Understanding of GCL Brittle Shear Behaviour under High Confining Stress Hossein Ghiasinejad	Quantifying the effects of geogrid tensile stiffness on permanent deformation and resilient modulus in unbound granular materials. Ziheng Wang	Comparative 3D Numerical Analysis of Reinforced Granular Piles for Enhancing Embankment Performance on Soft Soils: Evaluating Ordinary, Encased, and Basal-Reinforced Configurations Shaïd Yousuf

11:50	Applications in MSE Walls and Sponge Cities Nelson Chou	Long-term creep estimation of HDPE geogrid using temperature-accelerated stress relaxation techniques Rawiwan Eakintumas	BGM Interface shear strength at elevated temperatures, including field observations Ryan Hackney	Full-scale experiment and numerical studies of a geosynthetic reinforced pile-supported embankment Yining Hu
12:10		Prediction of Pore Size Characteristics of Needle-Punched Nonwoven Geotextiles Under Laterally Constrained Condition Keyi Li	Effect of interface temperature on soil-reinforcement interaction performance based on pullout tests Huaxin Han	Recommendations on the application of graph-analytical method of pile settlement calculation taking into account pile breakout and slippage Anastasiia Almakaeva
Room	A2	Exhibition Hall		
12:30	IGS Premium Corporate Members meeting (by invite only)	Lunch Break		
Room	Boulevard Auditorium	Boulevard B1	Boulevard B2	Boulevard B3
Session	Barrier Systems of the Future: Innovation, Sustainability, and Emerging Challenges. Keynote & Plenary	Stabilization	Innovative Uses of Geosynthetic Reinforced Fill	Installation of geosynthetics in challenging applications and environments
13:30	From Waste to Watts: Geosynthetics as catalysts in the Energy Transition Malek Bouazza	Kazakhstan’s experience in the use of geosynthetic materials in road construction Bagdat Teltayev	Innovative Uses of Geosynthetic Reinforced Fill Chris Lawson, Chew Soon Hoe, John Walter Cowland	Installation of geosynthetics in challenging applications and environments Eric Blond, Jonathan Shamrock, Jabulile Msiza
14:15	From Waste to Watts: Geosynthetics as catalysts in the Energy Transition Malek Bouazza, John Schiers, Daniel Gibbs, Marc Amsberg, Sivakumar Babu GI			
Room	Exhibition Hall			
15:00	Afternoon Tea			
Room	Boulevard Auditorium	Boulevard B1	Boulevard B2	Boulevard B3
Session	Speed Consulting: Landfills & Dams	Slopes & Walls	Transportation	Hydraulics
	Moderator: Siamak Paulson	Chairperson: Chungsik Yoo	Chairperson: Chaminda Gallage	
15:30	Speed Consulting: Landfills & Dams, Q&A with keynote speakers and experts Moderator: Siamak Paulson Session sponsored by GeoQ	Effect of Various Reinforcing Measures on Geosynthetic-reinforced Embankment and Foundation Systems for Mitigating Reverse Fault-induced Hazards Chun-Wei Wu	Impact of base and subgrade stabilization with geotextiles in pavements using accelerated pavement testing Gino Sicha Flores	Challenges and Solutions of Utilizing Geotextile Tubes on Marine Clay Seabed for Land Reclamation: Malacca Case Study Jun Yuen Tan
15:50		Drainage Performance and Safety Analysis of Geogrid-Reinforced Vertical Retaining Walls Using Modified Soft Rock Residual Soil under Rainfall Conditions Yimin Wang	Study on the stiffening behavior of geogrid on unpaved roads under repeated loading Chih Chun Chien	Performance of Sludge-Filled Geotextile Tubes to Overcome Muddy Coastal Abrasion Nastiti Tiasundari
16:10		Choice on reinforcement stiffness for numerical modeling of GRS abutments under working stress conditions Jialong Deng	Experimental study on geosynthetic-reinforced expansive subgrade under varying swell pressures in flexible pavements Sundaram Srivastava	Increasing Dune System Resilience and Effectiveness in Open Coast Conditions with Geotextiles Simon Restall

16:30		Comparing the seismic responses of single and two-tiered reinforced soil slopes Ya Meng	Sustainable pavement solution for soft & expansive soils – South Station Road, Ipswich (case study) Amar Singh	Case Study- Application of Geotextile tube in the construction of Reclamation Dyke in Eco-sensitive zone. Dola Roychowdhury
16:50	Q&A with keynote speakers and experts Moderator: Siamak Paulson Sponsored by GeoQ	Utilization of a Mechanically Stabilized Earth Embankment with Wrap-around Facing as Slope Stabilization for a Collapsed Road within a Geothermal Power Plant in Leyte, Philippines Roy Anthony Luna	Proper bond rates of asphalt Geosynthetics to achieve optimal shear bond strength Amir Shahkolahi	Geotextile Tube Installation at Deep Waters using Innovative Methods Chew Soon Hoe
17:10		Numerical assessment of the seismic behaviour of mechanically stabilised earth structures Rolando Orense	Investigations on cracking characteristics of geosynthetic-reinforced asphalt using DIC Ashray Saxena	Application of geosynthetic tube for marine engineering: From design to construction of tube dam for bored pile drilling onshore beach rocky slopes Hoai Do Mai Thu
Room	Boulevard Auditorium			
Session	Diversity, Equity and Inclusion Session			
	Moderator: Laura Carbone			
17:30	Beneath the Hard Hat: Real Lives, Real Barriers, Real Change Shine Salur Moderator: Laura Carbone (IGS Secretary General, Chair of the IGS Diversity Committee) By IGS Diversity, Equity and Inclusion (DEI) Committee			
Room	Boulevard Auditorium			
Session	Welcome Reception sponsored by TRI Australasia 18:15 - 19:30			

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Day 2
Wednesday, 11 June 2025

Room	Boulevard Auditorium			
Session	Keynote Session			
	Chairperson: Liza Du Preez			
08:30	Smart Use of Geosynthetics in Tunnelling – from theory to practice Chungsik Yoo Sponsored by Axter Australia			
09:15	Use of geosynthetics to prevent soft subgrade instability and fluidisation under cyclic loading with special reference to railways Buddhima Indraratna Sponsored by Solmax Geosynthetics Asia Sdn. Bhd.			
Room	Exhibition Hall			
Session	Morning Tea			
Room	Boulevard Auditorium	Boulevard B1	Boulevard B2	Boulevard B3
Session	Un-conference: Mining and Tailings Theme in collaboration with QTG	Hydraulics	Transportation	Slopes & Embankments
	Moderator: Edoardo Zannoni, Kathy Tehrani	Chairperson: Brendan Swifte, Simonne Eldridge	Chairperson: Bagdat Teltayev	
10:30	Un-conference: Mining and Tailings In collaboration with Queensland Tailings Group (QTG) Moderators: Edoardo Zannoni, Kathy Tehrani Speakers & Panelists Kerry Rowe, Fady Badran Abdelaal, Rowan Cossins, Attila Marta	Geosynthetic-reinforced soil check dams: case study and numerical simulation Chaicharn Thongthanawat	Effectiveness of a Geocomposite-PVD system in preventing subgrade instability and fluidisation under cyclic loading Andy Warwick	Calibration of Resistance Factor for the Rupture Limit State of Geosynthetic Reinforced Soil Walls Considering Combined Installation Damage and Creep Yoshihisa Miyata
10:50		Flexible Geotextile Sand Container System to Mitigate Foreshore Erosion: A Case Study in Cocos Islands, Australia Mohd Anas Adanan	Enhanced Rail Track Performance Using Recycled Rubber and Mining Waste Yujie Qi	Serviceability limits for basal reinforced embankments spanning circular voids. Abid Ali
11:10		Channel protection using geosynthetic cellular confinement Sanat Pokharel, Marc Breault	Experimental study on dynamic properties of geocell reinforced crushed stone composites Zhijie Wang	Numerical investigation on the influence of the geogrid length on the load transfer mechanism in stabilized granular layer. Nagashruthi Shivakumar
11:30		Liquefaction Mitigation for LNG Storage Tanks: Design and Implementation of Sand Compaction Piles Luna Xie	High strength geogrid for embankments on soft soils: a case study in Western Australia Darrel Cheong	Evaluation of extent of earthquake damage to geogrid reinforced soil walls by the settlement of backfill surface Jiro Kuwano
11:50		The use of cusped sheet geocomposite in low-risk rural landfill capping applications Cory Dogger	Optimizing Rail Track Performance Through the Use of Recycled Rubber Energy- Absorbing Grids Suwan Udana De Silva Hettiyahandi	Numerical analyses of reinforced embankment foundation systems subjected to reverse faulting Emerson Edwige Michel

12:10		Design of geosynthetics for erosion control using RUSLE equation Matteo Lelli, Gianluca Spadaro, Ratnakar Mahajan		Long-term performance of the embedded mechanically stabilized earth abutment in Anhui – A case study Binli Zuo
Room	Boulevard Auditorium	Exhibition Hall		
12:30	IGS TCB Meeting	Lunch Break		
Room	Boulevard Auditorium	Boulevard B1	Boulevard B2	Boulevard B3
Session	Technical Session: Specifying and Constructing barriers for longevity by IGS Technical Committee for Barriers (TCB) and Hydraulics (TCH)	China Session	India Session	Technical Session: Mitigation of Seismic Hazards by IGS Technical Committee for Reinforcement (TCR)
		Chairperson: Huabei Liu	Chairperson: Sivakumar GL Babu	Chairperson: Yoshihisa Miyata, Yewei Zheng
13:30	Technical Session: Specifying and Constructing barriers for longevity by IGS Technical Committee for Barriers (TCB) and Hydraulics (TCH) Speakers and Panelists: Kerry Rowe Fady Abdelal Jabulile Msiza Jonathan Shamrock Eric Blond Amir Shahkolahi Henning Ehrenberg Hossien Ghiasinejad Topics: - GCL hydraulic conductivity and long term performance - GCL internal shear strength - Separation geotextile chemical compatibility - Designing and constructing for a forever chemical - PFAS - Stress crack resistance of geomembranes	Geosynthetic Products in China	Four decades of Geosynthetics in India (manufacturing, codes, and guidelines) Dola Roychowdhury	Numerical study of the dynamic response of stone column and geosynthetic encased stone column in liquefiable sands Mingchang Ji
13:35				Liquefaction instability mitigation with geosynthetics in the world's highest observation wheel project in Dubai Gianluca Spadaro, Ratnakar Mahajan, Matteo Lelli
13:40				Seismic response of wrapped-face geosynthetic reinforced soil (GRS) wall comprising marginal backfill material Mihretab Madamo
13:45		Application of Geosynthetics in High-Speed Railway Engineering in China	Evolution of state of practice & applications of Geosynthetics in India. Vivek Kapadia	Evaluation of extent of earthquake damage to geogrid reinforced soil walls by the settlement of backfill surface Jiro Kuwano
13:50				Technical Session: Mitigation of Seismic Hazards By IGS Technical Committee for Reinforcement (TCR)
14:00				
14:30		Application of Geosynthetics in Mining Engineering in China	Geosynthetics and sustainability Sivakumar Babu GL	
Room	Exhibition Hall			
15:00	Afternoon Tea			

Room	Boulevard Auditorium	Boulevard B1	Boulevard B2	Boulevard B3
Session	Speed Consulting: Containment systems in Energy and Mining Sector	Landfills	Sustainability	Transportation
	Moderator: Liza Du Preez, Graham Fairhead	Chairperson: Jonathan Shamrock	Chairperson: Nelson Chou	Chairperson: Huabei Liu
15:30	What and who is FGI Brian Fraser Mining MSE tailings wall case study Ragavendra Pavan	MSE wall structure with liner system for landfill vertical expansion in Sydney, Australia Gary Schmertmann	Sustainable design of civil engineering works - opportunity and threat for geosynthetics Tom Sangster	Innovative Methods of Using Tyre-Derived Aggregates for Railway Ballast- A Critical Review Yujie Qi
15:50	Flexible GMB's in Mining Applications Liza Du Preez Protecting process and produced water with flexible geomembranes Brian Fraser Mining case study Pau Climent	Heat mitigation in compacted clay liners in municipal solid waste landfills Vivi Anggraini	Geosynthetic - a sustainable construction material Gary Ng	Performance of Instrumented full-scale pavement sections on soft subgrade stabilised with geogrid/geocomposite Chaminda Gallage
16:10	Properties and applications Fady Badran Abdelaal Factory fabricated liner systems for tanks in mining applications Andrew Kingston	Multilayered geosynthetic composite application in landfill cappings - Cava De' Tirreni case study Gianluca Spadaro	On the Response of Geobags Filled by Rubber Crumbs Under Rockfall Loads Masoud Kavandi, Gholamhosein Tavakoli Mehrjardi	Ballast stabilisation to improve the performance of the rail track Amir Shahkolahi
16:30	Factory fabricated liner systems for tanks in mining applications. Alex Gersch Above ground Tank liner systems Ron Mackenzie Tailings closure on soft subgrade	Active geocomposites as a Sustainable solution for PFAS contamination on landfills Gus Martins	Climate resistance of GCL-reinforced sealing systems based on lysimeter testing Henning Ehrenberg	Evaluating the Impact of Geosynthetics on Unpaved Road Performance: A Small-Scale Cyclic Plate Loading Approach Jiacheng Qiu
16:50	Panel Discussion Moderators: Liza Du Preez, Graham Fairhead	Forensic investigation of landfill cell left dormant for 4 years Christian Lisle	Advancing environmental resilience with innovative nature-based geo-construction solutions Intan Nor Zuliana Baharuddin	An empirical model for the design of geogrid and geocomposite stabilized and reinforced unpaved roads Nur Saleehah Raeza
17:10		Investigation of installed unconfined Geosynthetic Clay Liner on a piggyback liner Md Abdur Rouf	Beneficial Use of Dredged Marine Sediments as Backfill In Reinforced Soil Systems Vandana Sreedharan	Ground Improvement Works using Prefabricated Vertical Drains for Reinforced Soil Wall system for Interchange cum Road Over Bridge at Kandla, Gujarat, India Harsh Raval, Saurabh Vyas, Premal Shah
Room	Emporium Hotel Terrace Bar		(Offsite) Young member social event	
18:00	(Invite Only) IGS Corporate Member Reception		(Offsite) Young member social event (18:00 - 18:30)	

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Day 3
Thursday, 12 June 2025

Room	Boulevard Auditorium			
Session	Keynote Session			
	Chairperson: Jonathan Shamrock			
08:30	Geosynthetic technologies for resilient road networks Yoshihisa Miyata <i>Session sponsored by Global Synthetics</i>			
09:15	Reflections of short- and long- term performance of BGMs in barrier systems Kerry Rowe, Fady Badran Abdelaal <i>Session sponsored by Geoquest</i>			
Room	Exhibition Hall			
10:00	Morning Tea			
Room	Boulevard Auditorium	Boulevard B1	Boulevard B2	Boulevard B3
Session	Un-conference: Quality and Testing Leveraging ASTM International Standards in a Meaningful Way in collaboration with ASTM Technical Committee D35-Geosynthetics	Walls/Slopes/Embankments	Mining	Transportation
	Moderator: Sam Allen, Eric Blond	Chairperson: Sivakumar Babu	Chairperson: Jong Hao Su	
10:30	Un-conference: Quality and Testing ASTM D35-Geosynthetics Leveraging ASTM International Standards in a Meaningful Way In collaboration with ASTM Technical Committee D35-Geosynthetics. Moderators: Samuel Allen, Eric Blond Speakers & Panelists: Samuel Allen, Eric Blond, Warren Hornsey, Siamak Paulson, Graham Fairhead Topics: > CQA - What are we not measuring? What are we missing? > Contracting/Installation: What we have right. What we have wrong > Ongoing Conversations about Destructive Seam Testing	Hybrid solutions: mechanically stabilized earth (MSE) walls and slopes supported by improved ground Mark Morales	Inverted barriers in tailings storage facilities: lessons learnt Edoardo Zannoni	Field scale test of base Course reinforcement method using geosynthetics Kenichi Sato
10:50		Geosynthetic Seismic Isolation Concept for Reinforced Soil Walls Yoshihisa Miyata	High-temperature resistant HDPE geomembrane aging study for acidic mine waste containment Dan Jones	A critical bearing capacity assessment under BR470 of the contribution of geosynthetic reinforcement to temporary working platforms using numerical methods Abid Ali
11:10		Assessing the effectiveness of composite soil reinforcement Askar Zhussupbekov	The essence of material compatibility in advanced barrier systems of existing TSFs Vernita Govender, Edoardo Zannoni	Effectiveness of Geogrid Reinforced for Paved and Unpaved Pavement Sections Ratnakar Mahajan, Matteo Lelli
11:30		Seismic response of wrapped-face geosynthetic reinforced soil (GRS) wall comprising marginal backfill material Mihretab Madamo, Omkar Tiwari, Arindam Dey	Should geomembrane lined ponds/dams be covered with a ballast layer? Jonathan Shamrock	Unveiling the Role of Enhanced Lateral Drainage in Moisture-Sensitive Subgrade Stabilization: Insights, a Decade on from the Montana Project. Gary Matthews, Barry Kok
11:50		Case study: a 13-meter high single berm reinforced soil slope with wicking reinforced geotextile at the Nanning pumped storage substation in Guangxi, China Jingying Chu	Development of a High Performance Geosynthetic Drainage Net Alex Gersch	Performance evaluation of Triaxial Geogrid-Reinforced C&D Waste and Quarry Aggregate for the Base and Subbase Layers of Flexible Pavements Barmavath Shiva Prasad, Balunaini Umashankar

12:10	> Electrical Leak Location > Time dependency of planar flow / responsive specifications > Testing Tools: Accelerated Durability / Fingerprinting / Estimating <i>Session sponsored by Terra Firma Laboratories</i>	Strength and stiffness of sands reinforced with modified geocells Aarya Krishna	Surface Drainage Restoration In Mine Reclamation Using Geosynthetics Cementitious Composite Mat, GCCM Lim Chong	
Room	Boulevard Auditorium	Exhibition Hall		
12:30	Asian Regional Committee Meeting (by invite only)	Lunch Break		
Room	Boulevard Auditorium	Boulevard B1	Boulevard B2	Boulevard B3
Session	IGS Corporate case study competition	Durability	Reinforcement	Filteration/Drainage
	Chairperson: Laura Carbone	Chairperson: Colin Lim	Chairperson: Askar Zhussupbekov	Chairperson: Vivi Anggraini
13:30	IGS Corporate case study competition Chair: Laura Carbone	25 years of experience with a lysimeter system with geosynthetic clay liners Henning Ehrenberg	Investigating the dual role of geocells in slope stabilization: Reinforcement and fascia Sureka Sekar, Arindam Dey	Drainage performance of slope installed with wicking geotextile in seasonal frozen areas Chuang Lin
13:50		Durability of Geotextile Material Exposed to 6-year UV Exposure Yun Mei Lim	Design and Construction Challenges of Cellular Confinement Systems for Landfill Slopes and Ponds Roger Britto	Designing with Geosynthetics in Roads Subjected to Freeze-Thaw Cycles: A Critical Review Berjees Anisa Ikra, Cheng Lin
14:10		Assessment of High-Density Polyethylene Geomembrane Durability Immersed in Mine Tailings Solutions at Elevated Temperatures Siamak Paulson	Performances of PET-based geogrids installed in high-alkalinity environment Gianluca Spadaro	Innovative geotextiles with moisture management for resilient roadway Stephen It Seen Teh
14:30		Evaluation of the mechanical properties of HDPE geomembranes exposed for 15 years Sergio Luiz Da Costa Junior	Liquefaction response of geogrid-reinforced sands Saikumar Allam	Research on the Control Effect of Water Migration in Fine-grained Soil Subgrade Driven by the Matric Potential of Wicking geotextile Pengju Tang
Room	Exhibition Hall			
15:00	Afternoon Tea			

Room	Boulevard Auditorium	Boulevard B1	Boulevard B2	Boulevard B3
Session	Speed Consulting: Transportation theme (Roads & Railways)	Dams & Coastal	Containment systems	Soft Soils & Vertical Drains
	Moderator: Amir Shahkolahi	Chairperson: Yewei Zheng	Chairperson: Liza Du Preez	Chairperson: Andy Warwick
15:30	Speed Consulting Transportation and Infrastructure (Roads, Railways, Slopes, Walls, Embankments), Q&A with keynote speakers and experts. Moderators: Amir Shahkolahi	Using Geotextile Filters in Dam Embankment Construction Jonathan Shamrock	Challenging Environmental Containment for Large Crude Oil Tank Storage Facility Alex Gersch	Geotextile Reinforced Sludge Pond Capping Tony Tong
15:50		Geosynthetics Application for Dam Reservoir Capacity Rebuilding – A Pilot Project Dola Roychowdhury	Performance of Bituminous Geomembrane Seams Exposed to Tensile Stress and to Elevated Temperature Eric Blond	Predictive Models for Metro Station Settlement During Twin-Tunneling: Leveraging Machine Learning and Soil Rheological Properties Victoria Rud, Lyubov Ermoshina
16:10		Evaluating the Extent and Impact of Saltwater Intrusion on Polyacrylamide-Treated Coastal Earth Embankment Soil Minhaz Mohammad Shahriar	Performance Enhancement of Bituminous Geomembranes: Technical Innovations and Solutions Mukula Hettihewage	Consolidation analysis and optimisation of On-site spacing of PVD in Soft Clay deposit. Vivek Kapadia
16:30		Incomat for Coastal Pipeline Protection Samir Kremer Sehnem	Managing LFG risk with geosynthetic products Alex De Guzman	Interaction effect of piles and prefabricated vertical drains in soft clay Sachini Dissanayake
16:50		Advantages of Geomembrane Faced Rockfill Dams over Concrete and Asphalt Faced Rockfill Dams John Cowland	The ongoing journey of geosynthetics and sustainable remediation within Oceania Chris Nivison-Smith	Development and performance testing of biodegradable vertical drain modified with PLA/PBAT composite Zhen Zhang
17:10		Use of geosynthetic reinforced structure for debris dam Zoe Lin, Henry Sie	Environmental and economic analysis of the use of high-strength geomembranes in MSW landfills: Innovative perspective Elvira Carreras Torres	Liquefaction instability mitigation with geosynthetics in the world's highest observation wheel project in Dubai Gianluca Spadaro, Ratnakar Mahajan, Matteo Lelli
Room	The Star Brisbane			
18:30	GeoAsia8 Conference Dinner sponsored by GeoQ Location: The Star, Brisbane 18:30 - 22:30			

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Day 4
Friday, 13 June 2025

Room	Boulevard Auditorium			
Session	Keynote Session			
	Chairperson: Graham Fairhead			
08:30	Geosynthetics applications with sustainable design and construction Chew Soon Hoe <i>Session sponsored by Geosource</i>			
09:15	Use of cellular confinement to improve the performance of roads and railways on soft subgrades Jie Han <i>Session sponsored by Geofabrics Australasia</i>			
Room	Exhibition Hall			
10:00	Morning Tea			
Room	Boulevard Auditorium	Boulevard B1	Boulevard B2	Boulevard B3
Session	Technical Session: Mitigating Moisture Damage in Pavements and Embankments by IGS Technical Committee for Stabilisation (TCS)	Innovation	Containment Systems	Hydraulics
	Moderator: Amir Shahkolahi	Chairperson: Eric Blond	Chairperson: Hossein Ghiasinejad	Chairperson: Ryan Hackney
10:30	Mitigating Moisture Damage in Pavements and Embankments Jie Han, Sivakumar Babu GL, Barry Kok	Robust, Non-Invasive, Instrumentation of Geosynthetics Using Novel Electrical Sensing Trigg Sharp	Evaluation of the Durability of HDPE Geomembranes Through Aging Tests from Nominal to High Performance Grade Chin-Tai Lin	Utilization of Non-Woven Double-Layered Geotextile Tubes as a Temporary Cofferdam for the Construction of a Giant Sea Wall in Indonesia Yasinta Yati Nur Anbya, Abdul Aziz Avicenna
10:50		Innovative geofabric-geogrid composite for use in embankments in cold regions environment Earl Marvin De Guzman	Enhancing Polyethylene Geomembrane Performance: Tackling Weld Quality, Installation Challenges, and Durability Risks Eduardo Carreras Torres	Investigation of the Critical Tearing Strength of Inlet Port Design Jinyu Deng
11:10		Study on Ease of Penetration of Prefabricated Vertical Drain through Geotextile Tubes Jun Ming Soh	Analysis of Surface Temperatures and Expansion Behavior in HDPE and LLDPE Geomembranes with Different Surfaces in Field Applications Ana Laura Cassini Souza Bernardinelli	Advancing Erosion Control with Virgin HDPE Mesh for Superior Durability in Hybrid Engineering Systems Sanjay Charati
11:30		Enhancing geotechnical properties of peat using industrial byproducts: a comprehensive experimental and numerical study Afnan Ahmad, Vivi Anggraini	Welding Parameters. The Importance and Impact they Have Clinton Van Zyl	Seepage model test on restored embankment using geocell reinforcement technique Shintaro Miyamoto
11:50		GeoKonec: Enhancing Geosynthetics Design and Knowledge Sharing for Consultants Benjamin Lewis	Performance of colored HDPE geomembranes exposed to tropical climate Colin Lim	Lateral loading tests of buried pipes with geocell-reinforcement against uplift Taishi Nagatani
12:10		PVC geomembranes, a reliable and sustainable alternative in hydraulic structures Mukula Hettihewage	Design and application of special purpose membrane in canal embankments with clayey soils Vivek Kapadia	A case study of debris flow early warning system Gianluca Maestroni
Room	Boulevard Auditorium			
Session	Conference Closing Ceremony 12:30 - 13:00			