

# GEOSPATIAL DRIVEN IMPACTS

## Underground, Land & Sea to Sky

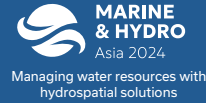


# GEO CONNECT

## Asia 2024

Wednesday 6th & Thursday 7th March  
Sands Expo & Convention Centre, Singapore

co-located with



## BOOK YOUR CONFERENCE PASS TODAY!

Book your place at the most comprehensive Geo Connect Asia Conference to date, with half day to full two day passes options now available.

Select the sessions of specific interest to you, from geospatial to hydrospatial to UAV and digital construction solutions.

Learn from more than 60 industry leaders and fellow delegates about how they are responding to daily challenges and planning future scenarios.

Combine your attendance at the conference with break-out sessions to engage with more than 120 companies at the co-located shows.

## Meet our speakers

Our speakers represent a well seasoned group of experts looking to advance and share knowledge both in their own fields but across sectors.

With the focus on Geospatial Driven Impacts and a series of panel based discussions your in person attendance promises a unique experience to both learn and ask searching questions.

Join us live in Singapore on the 6th & 7th March.



**Silvia Hilam**  
Deputy of Utilities and Infrastructure  
Nusantara National Capital  
Authority



**Gerry Ong**  
Honorary President / Climate Change &  
Sustainability Work Group Leader  
ASEANFLAG



**Chong Yoke Sim**  
Principal Director,  
Business Development  
Accenture



**Saiful Nizam Mustafa**  
Head of Geomatics  
Petronas Carigali



**John Whitehead**  
Senior Director of Sales and  
Distribution, APAC  
Trimble



**Talia Sheppard**  
Regional Director Strategic  
Sales & Marketing, MEI  
Fugro



**Chan Yue Chun**  
Head of Spatial Data Office,  
Development Bureau  
The Government of the Hong Kong  
Special Administrative Region



**Sang Ho Yun**  
Director  
Earth Observatory of Singapore  
- Remote Sensing Lab (EOS-RS)



**Bushra Afreen**  
Chief Heat Officer Dhaka  
Arsht-Rock



**Stefan Hrabar**  
Chief Executive Officer and  
Co-founder  
Emesent



**Vicki Lau**  
Geospatial and Earth Observation  
Leader, East Asia  
Arup



**Eugene Seah**  
Chief Operating Officer Singapore  
Operations, Senior Director,  
Group CEO's Office & Special Projects  
Meinhardt Group

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# EVENTS AT A GLANCE

## Conference Overview

**100+** 

Industry Addresses  
& Fireside Chats

**80+** 








Key Opinion Leaders

**30+** 

Leading Keynotes

**20+** 

Countries In-person  
Speakers

Wednesday 6 <sup>th</sup> March		Thursday 7 <sup>th</sup> March	
<b>Exhibition</b> 9:00 am – 7:00 pm		<b>Exhibition</b> 9:00 am – 5:00 pm	
 <b>Trimble Club</b> 10.30 am to 4.30 pm		 <b>Trimble Club</b> 2:00 pm - 5:00 pm	
<b>Tech Talks</b> 10:30 am - 5:00 pm		<b>Tech Talks</b> 10:30 am to 4:30 pm	
 <b>UAV Innovation Theatre</b> 11:00 am - 4:00 pm	 <b>UAV Innovation Theatre</b> 10:30 am - 3:30 pm		
 <b>Digital underground connect</b> 11:30 am - 12:30 pm	 <b>Digital underground connect</b> 10:00 am - 1:00 pm		
 <b>Geo CONNECT Asia 2024 Main Conference</b>			
<b>Equatorial Theatre</b> 9:00 am – 4:00 pm	<b>Canopy Theatre</b> 10:30 am – 4:30 pm	<b>Equatorial Theatre</b> 10:30 am – 4:00 pm	<b>Canopy Theatre</b> 10.30 am – 4:00 pm

## Why you should attend?

### DISCOVER

An exhibition led event of with demonstrations of how the geospatial and location intelligence world offer insight and solutions.

### UNDERSTAND

From drone applications and mapping & surveying solutions to satellite and underground mapping, GCA24, DCA24 & DA24 has the **full range of applications** for key government agencies and enterprises

### LEARN & ENGAGE

The associated conferences and tech talks bring together **more than 100 professionals** at the frontline of government and enterprise.






### VARIETY

The show combines some of the **world's largest companies** with some of the **newest start-ups**. Size is no restriction on ideas and opportunities.

### KNOWLEDGE SHARE

The industry talks about both **tech and pragmatic solutions**.  
With the majority of the participants represented directly from their HQs, you will quickly have access to the next wave of development in the industry.

Time	Programme
9:00 am	<b>Opening Ceremony</b>
10:00 am	<b>Keynote Address : Everybody is someplace : using location information to serve our communities</b>
10:15 am	<p><b>The diagnostics of location in improving life quality</b></p> <p> In the understanding that each individual has a right to the provision of basic medical services any changes in population numbers and age profiles have a profound impact in planning for future needs.</p> <p><b>Discussion points include:</b></p> <ul style="list-style-type: none"> <li>• What is the ideal model for health provision at a city and countrywide level?</li> <li>• Mapping tools for the planning of public health service provision</li> <li>• Predicting service needs by age and location</li> <li>• Monitoring and tracing health issues and formulating response plans</li> </ul>
11:20 am	<p><b>Keynote Address</b></p> <p></p>
11:35 am	<p><b>Nature based solutions for improved urban living</b></p> <p> The ever expanding urban footprint across Asia demands greater attention to the needs of resident populations and to ensure an attractive environment to lure new businesses.</p> <p>The session investigates the key ingredients in the development of successful neighbourhoods and how to create a sustainable living environment.</p> <p><b>Key questions include:</b></p> <ul style="list-style-type: none"> <li>• How do the needs of citizens vary in cities with differing economic conditions?</li> <li>• How can the divide be bridged?</li> <li>• What are the key considerations for creating a cleaner urban environment?</li> <li>• How to plan and budget for a greener city landscape?</li> </ul> <p></p>
1:30 pm	<p><b>Keynote Address</b></p> <p></p>
1:45 pm	<p><b>The promise of AI in construction technology: Industry transforming or a big fat fallacy?</b></p> <p> The ongoing digital transformation of the construction industry enters a new phase as machine learning and AI based applications offer pathways to tangible productivity improvements.....right?</p> <p>Explore tangible examples of where these technologies are gradually making an impact, and what they might deliver as we look forward to the future.</p> <p></p>
2:45 pm	<p><b>Accelerating global change and the role of daily revisit</b></p> <p></p>
3:00 pm	<p><b>Geospatial in space-value focused applications</b></p> <p> The application of space based technologies is providing countries, cities, industries and non-profit with prospective access to more regularly available and accurate essential data. The geospatial industry can harness the opportunity through cross co-operation in policy-making and the sharing of data. The session identifies key new technologies, which are making the change and winning applications which are providing tangible benefits.</p> <p><b>The session explores:</b></p> <ul style="list-style-type: none"> <li>• The leading vertical markets across Asia where the EO industry is making an impact</li> <li>• The tangible benefits of investing in the best available data</li> <li>• The technologies and operational tools available to put to work</li> </ul> <p></p>

Time	Programme
10:35 am	<b>Keynote Address</b>
10:50 am	<p><b>Harmonising operational procedures: Converging paths toward standardisation</b></p> <p> From multiple starting points there is a convergence of pathways towards standardising operational procedures for safe and secure UAV flights.</p> <p><b>The session looks to explore the following:</b></p> <ul style="list-style-type: none"> <li>• What services are expected to drive demand?</li> <li>• How are individual authorities setting priorities and building capacity?</li> <li>• How is international co-operation assisting in build a regional and global standards framework?</li> <li>• What are the barriers to progress?</li> <li>• What infrastructure and technology is needed in order to meet this common standards?</li> <li>• How can common standards drive interoperability and embrace new technology solutions?</li> </ul>
11:45 am	<p><b>Session curated by Viasat</b></p> <p> </p>
2:15 pm	<p><b>Living on the edge: Building capacity and sharing to manage natural disasters</b></p> <p> Natural disasters including those caused by climate change have no respect for borders. With its strong marine based economies and its dependence on agriculture Asia is vulnerable to shifts in the ecosystem. Vulnerability to localised flooding is a universal challenge. Planning for worst case scenarios is becoming increasingly important. By identifying, sourcing and sharing the growing amount of information between agencies and countries there is room for optimism even in the most challenging of circumstances.</p>
3:15 pm	<p><b>Energy: Geospatial drivers in speeding up the decarbonisation agenda</b></p> <p> The pressure for organisations to meet their carbon reduction obligations is driving the market for improved data collection across the energy sector. From emissions monitoring to optimising pipeline infrastructure the industry is expected to deliver on SDG promises. New technologies offer to deliver the requisite efficiencies, including drones, uncrewed autonomous solutions for remote surveying and remote sensing.</p> <p>The session seeks to explore the role and practicalities of introducing new technologies to answer pressing questions.</p>
3:55 pm	<b>Closing</b>

## Meet our speakers



**Ng Siau Yong**  
Director, GeoSpatial and Data & Chief Data Officer  
Singapore Land Authority



**Victor Khoo**  
Director, Survey & Geomatics  
Singapore Land Authority



**Wan Chantavilasvong**  
Advisor  
Regional Laboratory on Urban Governance for Health and Well-Being



**Fuan Tsai**  
Professor  
Center for Space and Remote Sensing Research, National Central University



**Elena Boni**  
Urban Development & Sustainability Specialist  
UNICEF




**Eranda Gunathilaka**  
Chair for commission 4 (on hydrography)  
International Federation of Surveyors (FIG)









**Scott Simmons**  
Chief Standards Officer  
Open Geospatial Consortium



**Professor Dr. Muh Aris Marfai**  
Head of Indonesian Geospatial Information Agency  
BIG

Time	Programme
10:35 am	<b>Keynote Address</b>
10:50 am 	<p><b>Taking urban digital twins to the next level: optimisation, integration &amp; future possibilities</b></p> <p>Urban digital twins provide a critical planning and support platform for future development. As demand grows for specific applications the sharing of data raises concerns of security and privacy. The session looks into best practices and how digital twins are positioned to address ever more complex challenges.</p> <p><b>Discussion points include:</b></p> <ul style="list-style-type: none"> <li>• What are the benefits of using digital twins for city planning &amp; management?</li> <li>• How can digital twins be integrated into other smart city technologies?</li> <li>• Can digital twins provide support for sustainable city solutions and help reduce carbon emissions?</li> <li>• Are digital twins able to support interaction with the communities they look to serve?</li> <li>• How do evolving technologies offer new opportunities?</li> </ul>
11:50 am 	<p><b>Building sustainable futures with digital underground twins</b></p> <p>In an era where the imperative for sustainable development takes centre stage, the subsurface presents remarkable potential. Yet, beneath its promise lie many unknowns that could impede realisation of that potential. Returning for its third appearance at Geo Connect Asia , and with a full day's programme, the Digital Underground Connect Expert Stage invites you to explore the impact of comprehensive digital twins of the underground. Encompassing diverse facets such as transportation infrastructure, utility networks and geotechnical information, these twins are becoming a transformative force in shaping a liveable and sustainable future.</p> <p>Through real-world examples and insightful discussions led by our panel of global experts, the expert stage uncovers the pivotal role that digital underground twins play in propelling us toward a more sustainable and resilient tomorrow. From enhancing the quality of urban life to revitalising ageing infrastructure and facilitating the seamless transition between energy sources, these digital replicas of the subterranean world have the potential to revolutionise the landscape of capital projects.</p> <p>Join us as we delve into discussions on digital twin governance, cutting-edge technologies, and best practices necessary for developing and effectively utilising these digital twins.</p>
2:00 pm	<b>Five project collaboration challenges and how to fix them today</b>
2:15 pm 	<b>Understanding the value of effective collaboration in construction</b>
3:30 pm 	<b>Panel Discussion: Construction + AI</b>

Time	Programme
10.30 am	<p><b>Keynote Address</b></p> <p> emesent</p>
10:45 am	<p> <b>Mitigating risks to critical infrastructure assets</b></p> <p>The capital costs associated with new infrastructure projects demands a rigorous approach towards long term maintenance and monitoring . These considerations need to be factored in during the initial construction phase, especially with regard to automating inspection procedures; these can include built in sensors, visual inspection systems drone &amp; satellite surveillance and data acquisition programmes.</p> <p><b>Key questions include:</b></p> <ul style="list-style-type: none"> <li>• How projects should be designed with automated inspection programmes in view?</li> <li>• What are the latest monitoring technologies available and how can these be integrated into existing maintenance programmes?</li> <li>• How is the workflow best managed to ensure on time and on budget maintenance?</li> <li>• What are the skill sets required for the seamless phasing in of new solutions?</li> <li>• How can improvements in monitoring capabilities assist in extending the lifecycle of individual assets?</li> </ul> <p> emesent</p>
11:45 am	<p> <b>Mastering the processes in critical infrastructure planning</b></p> <p>From road and rail to ports and airports large projects demand assiduous attention to cost control and seamless workflow integration between multiple parties. With a fast flow of new technologies looking to fast forward the digitalisation agenda</p> <p><b>The session looks to discuss:</b></p> <ul style="list-style-type: none"> <li>• Planning for roles for new technologies including AI and Quantum computing.</li> <li>• The impact of digital twins and visualisation in enabling the execution of large-scale projects</li> <li>• Ways of executing data exchange between multiple stakeholders and how to incorporate ever changing technologies and applications.</li> <li>• Creating the right framework, synergies, and matching skills to facilitate the introduction of new technologies.</li> </ul>
1:45 pm	<p> <b>Marine &amp; Hydrography: Creating a domain for the hydrosatial world: building consistent data to best manage competing interests</b></p> <p>The coastal waters of Southeast Asia and nearby seas are attracting increasing interest as climate driven changes converge with issues of sustainability and competing activities. Environmental concerns relating to agricultural outputs, plastic waste, mangroves, coral reefs and the complexities of mapping the shoreline edge require clarity in defining territorial waters. The session looks into the dividing lines between government agency responsibilities, commercial interests and those of environmental protection and opportunities to develop best practice for the benefit of all parties.</p>
3:00 pm	<p> <b>Applying new technologies to build a hydrosatial universe</b></p> <p>From the sky to the surface, and below, the options for collecting marine data is growing by leaps and bounds. In the search for better understanding the hydrosatial dynamics between land and the ocean opportunities abound for the latest technologies to assist in the gathering of essential information to improve decision-making.</p> <p>From satellite and drones to ROVs and autonomous vehicles mapping based solutions can now be supported by AI and robotics to track changes and predict future behaviour.</p>
3:40 pm	<p><b>Keynote Closing</b></p>

# GCA 2024 is more than a series of Conferences!

Come and meet leading companies from the world of the geospatial, remote sensing, digital construction and more!



Scan here to view our full list of exhibitors!

If you register as a delegate, admission to the exhibition is free.

Should you only plan to visit the show, please register at [www.GeoConnectAsia.com/Register](http://www.GeoConnectAsia.com/Register) to guarantee free admission.

Please note a S\$55 admission fee applies for registrations after 12 February unless you have an invitation code.

For information on exhibiting, please contact:

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**Ms Sarah Nadhirah**

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## CONFERENCE PRICING

### Conference Pass

	Super early bird	Early bird	Published
	6 Nov - 12 Jan	13 Jan - 12 Feb	13 Feb - 7 Mar
<b>2 Days</b>	SGD 735	SGD 895	SGD 995
<b>1 Day</b>	SGD 525	SGD 525	SGD 525
<b>1/2 Day</b>	SGD 315	SGD 315	SGD 315
<b>Academia</b>	SGD 525	SGD 525	SGD 525
<b>Student</b>	SGD 315	SGD 315	SGD 315

Note: Singapore-based registrations are subject to 9%

### OPEN FOR REGISTRATION

Register for Your Conference Pass today

#### Ticket entitlements:



Lunch

**1/2 day pass**



**1 day pass**



**2 days pass**



- All times listed in the Agenda are in Singapore time (GMT+8).
- For the latest updates and Conference Sponsorship Opportunities please email [rupert.owen@montgomerygroup.com](mailto:rupert.owen@montgomerygroup.com)

**Disclaimer:** Application in progress for CPD points