GEOSPATIAL DRIVEN IMPACTS

Underground, Land & Sea to Sky



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



Delivering sustainable solutions for the built environment



Managing water resources with



Delivering solutions for an expanding Asian UAV ecosystem

BOOK YOUR CONFERENCE PASS TODAY!

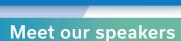
Book your place at the most comprehensive Geo Connect Asia Conference to date, with half day to full two day passes options now available.

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

Learn from more than 80 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 100 companies at the colocated shows.

CPD points available



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 Halim

Deputy for Facilities and Infrastructure

Nusantara Capital Authority



Gerry Ong

Honorary President / Climate Change &
Sustainability Work Group Leader

ASFANFI AG



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 SheppardRegional 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

Industry Addresses & Fireside Chats

Key Opinion Leaders

Leading Keynotes

Countries

Speakers From

Wednesda	y 6 th March	Thursday 7 th March		
Exhibition 9:00 am – 7:00 pm		Exhibition 9:00 am – 5:00 pm		
Trimble. Trimble Club 10.30 am – 4.30 pm		Trimble. Trimble Club 2:00 pm - 5:00 pm		
Tech Talk 10:30 am – 5:00 pm		Tech Talk 10:30 am – 4:30 pm		
UNCREWED	/ Innovation Theatre 1:00 am – 4:00 pm	DRONES & UAV Innovation Theatre 10:30 am - 3:30 pm		
(U) COMMECT	l underground connect 1:45 am – 12:45 pm	Digital underground connect 10:00 am - 1:00 pm		
GEO CONNECT Main Conference				
Equatorial Theatre 9:00 am - 4:30 pm Canopy Theatre 10:30 am - 4:30 pm		Equatorial Theatre 10:30 am - 4:00 pm	Canopy Theatre 10.30 am – 5:00 pm	

The Conferences are being staged in two main theatres (Canopy and Equatorial) inside the main exhibition hall on Level 1 (street level) of Sands Expo & Convention Centre, Singapore.

Why should you attend?

DISCOVER

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

UNDERSTAND

From drone applications, mapping & surveying solutions to satellite and underground mapping, GCA24, DCA24, MHA24 & D&UA24 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.

Wednesday 6th March

Equatorial TheatreSands Expo Convention Centre

Time	Programme
9:00 am	Opening Ceremony
10:00 am	Keynote Address: Everybody is someplace: using location information to serve our communities Scott Simmons Chief Standards Officer Open Geospatial Consortium
10:15 am GEO CONNECT Asia 2024	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. Discussion points include: What is the ideal model for health provision at a city and countrywide level? Mapping tools for the planning of public health service provision Predicting service needs by age and location Monitoring and tracing health issues and formulating response plans Moderator Ng Siau Yong Director, GeoSpatial and Data & Chief Data Officer Singapore Land Authority James Lewis Head of Geospatial Health Security Agency, United Kingdom Ministry of Health Analytics Division, Planning Ministry of Health Singapore
11:00 am	Tea Break
11:20 am	Keynote Address ©reehill Peter Sasi Vice President - Asia Pacific Greehill
11:35 am GEO CONNECT Asia 2024	Nature based solutions for future urban development 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. The session investigates the key ingredients in the development of successful neighbourhoods and how to create a sustainable living environment. Key questions include: • how do the needs of citizens vary in cities with differing economic conditions? • how can the divide be bridged? • what are the key considerations for creating a cleaner urban environment? • how to plan and budget for a greener city landscape? Moderator Prof Tang Hao Assistant Professor - Department of Geography Centre for Nature-based Climate Solutions National University of Singapore Singapore Peter Sasi Vice President - Asia Pacific Asia Pacific Profesient - Asia Pacif
12:15 pm	Networking Luncheon
1:30 pm	Keynote Address Senior Director of Sales and Distribution, APAC Trimble

Wednesday 6th March

Equatorial TheatreSands Expo Convention Centre

1:45 pm



The promise of AI in construction technology: Industry transforming or a big fat fallacy?

The ongoing digital transformation of the construction industry enters a new phase as machine learning and Al based applications offer pathways to tangible productivity improvements.....right?

Explore tangible examples of where these technologies are gradually making an impact, and what they might deliver as we look forward to the future.

Trimble



Moderator Jakub Wachocki Adjunct Professor - Digital Strategy, Innovation & Technology Leadership Taylor's University



Vicki Lau Geospatial and Earth Observation Leader, East Asia Arup



Siti Norman Director Digital, Singapore Turner & Townsend



John Whitehead Senior Director of Sales and Distribution, APAC Trimble

2:25 pm

Networking Break

2:45 pm

Accelerating global change and the role of daily revisit





3:00 pm

Geospatial in space-value focused applications



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.

The session explores:

- The leading vertical markets across Asia where the EO industry is making an impact
- The tangible benefits of investing in the best available data
- The technologies and operational tools available to put to work





Moderator Muthu Muthukumar Managing Editor Geoawesomeness



Ady Saptadi Ruchiatan President AFLAG (ASEAN Federation of Land Surveying and Geomatics)



Prof Fuan Tsai
Professor
Center for Space and Remote Sensing



Dr Sukij Skawsang Specialist Geo-Informatics GISTDA



Wade Larson Senior Vice-President, Business Development Earth Daily Analytics

Thursday 7th March

Equatorial TheatreSands Expo Convention Centre

Time	Programme					
10:35 am	Keynote Address Siu Min Lee					
	Viasat* Regional Director Business Development (APAC) Viasat					
10:50 am	Harmonising operational procedures: Converging paths toward standardisation					
DRONES & UNCREWED Asia 2024	From multiple starting points there is a convergence of pathways towards standardising operational procedures for safe and secure UAV flights.					
	 The session looks to explore the following: What services are expected to drive demand? How are individual authorities setting priorities and building capacity? How is international co-operation assisting in build a regional and global standards framework? What are the barriers to progress? What infrastructure and technology is needed in order to meet this common standards? 					
	 How can common standards drive interoperability and embrace new technology solutions? Viasat***\(\)					
	Moderator Sia Kheng Yok Chief Executive Association of Aerospace Industries (Singapore) Captain Illyaquila Fateen Ismail Assistant Director - Flight Operations Division Civil Aviation Authority of Malaysia Teo Shiqi Head (Unmanned Aircraft Systems), Unmanned Systems Policy and Regulations Division Civil Aviation Authority of Singapore					
	Siu Min Lee Regional Director Business Development (APAC) Viasat Mudzakkir Hatta Chief Executive Officer Malaysia Aerodyne Group					
11:30 am	Presentation					
11:45 am	Going global: how the Asia Pacific region is leading the way in autonomous aviation					
DRONES & UNCREWED Asia 2024	Advanced air mobility (AAM) is set to transform many sectors – from humanitarian aid and logistics to telecoms and agriculture. And the pace of change is fast.					
	Join regional experts for a discussion on the innovative work taking place right here in Singapore that is supporting the adoption of drones and uncrewed air vehicles across the globe. Discover how these companies are scaling from incubation to commercialisation to meet the growing market demand.					
	Moderator Mark ter Hove Senior Manager AAM/UAM Viasat Siu Min Lee Regional Director Business Development (APAC) Viasat Yun Yuan Tay Head of Asia Pacific Skyports					
	Ryan Lee Chief Executive Officer Heron Airbridge					
12:25 pm	Networking Luncheon					
2:00 pm	Keynote Address					

Thursday 7th March

Equatorial TheatreSands Expo Convention Centre

2:15 pm



Living on the edge: Building capacity and sharing to manage natural disasters

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.



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



Colonel Norazlin Binti Pamuji Deputy Director Defence Geospatial Division, Department of Survey and Mapping Malaysia





Rudolph Peralta Senior Engineer Senior GIS Analyst Philippines



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

2:55 pm



Geospatial drivers in speeding up the decarbonisation agenda

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.

The session seeks to explore the role and practicalities of introducing new technologies to answer pressing questions.



Moderator Mr Syed Mubarak Vice Chariman and Head of ESG Work Group Smart Cities Network ASEAN





Mr Puguh Sarwanto
Lead Specialist Innovation
Geomatic
PT Pertamina Hulu Energi

Wednesday 6th March

Canopy TheatreSands Expo Convention Centre

Time	Programme
10:30 am	Presentation Chan Yue Chun Head of Spatial Data Office, Development Bureau The Government of the Hong Kong Special Administrative Region
10:40 am	Presentation Sascha Tegtmeyer Chief Digital Officer Head of Division Spatial Competence Center, Agency for Geoinformation and Surveying
10:50 am	Presentation Jiri Ctyroky Director, Spatial Information Section Prague Institute of Planning and Development
11:00 am GEO CONNECT Asia 2024	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. Discussion points include: What are the benefits of using digital twins for city planning & management? How can digital twins be integrated into other smart city technologies? Can digital twins able to support for sustainable city solutions and help reduce carbon emissions? Are digital twins able to support interaction with the communities they look to serve? How do evolving technologies offer new opportunities? Moderator Dr Victor Khoo Director Survey and Geomatics Division Singapore Land Authority Thomson Lai Managing Director, Digital AECOM Chan Yue Chun Head of Spatial Data Office, Development Chan Yue Chun Head of Spatial Data Office, Development Bureau The Government of the Hong Kong Special Administrative Region
11:45 am	Building sustainable futures with digital underground twins
D <u></u> :CONNECT	Cities, asset owners, and construction firms are increasingly leveraging digital underground twins for the planning and development of space and infrastructure above and below the surface. In this session, we will delve into prominent initiatives aimed at mapping the underground, and learn how these data are used to optimize the use of space, streamline construction projects, and mitigate risks. Moderator Chong Yoke Sim Principal Director, Business Development Accenture Design & Engineering Land Transport Authority Vicky Chan Land Surveyor Lands Department Hong Kong
12:45 pm	Networking Luncheon

Wednesday 6th March

Canopy Theatre Sands Expo Convention Centre

2:00 pm

Keynote Address: Five project collaboration challenges and how to fix them today

As projects become more complex, project teams must look to standardise and automate processes, configure them to specific project requirements, and capture all required data to help improve collaboration. A lack of effective collaboration can result in increased errors, rework, costs, potential litigation, and project delays. In this session, Josh Bartlett, Sales Director at Oracle, will discuss five major collaboration challenges and how project teams can overcome barriers that hinder teamwork to ensure successful project delivery.

ORACLE



2:15 pm

Understanding the value of effective collaboration in construction



Join this panel discussion with industry experts on why collaboration is so important in construction and understanding the value of effective collaboration for successful construction projects, including avoiding expensive rework and duplicate work, improving safety, and keeping budgets on-target and within budget. This session will also highlight real-world examples of successful collaboration in the construction industry.

ORACLE



Moderator Vanessa Tang 2nd Vice President



Ashley Nugawela
Director for Solution Consulting
Oracle



Jacob Hoare
Lead Consultant, Digital Information
Management - Asia





Yve Xu
Deputy Director, Digital Built
Environment DBE Department
JTC Singapore

3:00 pm

Networking Break

3:20 pm

Presentation

AECOM

3:30 pm

Implementing a digital city: challenges, solutions, and lessons learned



Join us for an insightful panel discussion delving into the real-world journey of implementing digital city projects in Asia. Our esteemed panelists from Hong Kong Lands Department (LandsD), Singapore Land Authority (SLA) and AECOM will share their practical experiences, offering a comprehensive exploration of the challenges encountered, innovative solutions devised, and invaluable lessons gleaned throughout the implementation of projects such as Hong Kong 3D Digital Map and Underground Utilities Information System. From navigating technological complexities to overcoming regulatory hurdles and defining overall governance frameworks, this discussion promises to illuminate the intricacies as well as the benefits of digital city implementation and inspire actionable insights for future endeavors.

AECOM

Thursday 7th March

Canopy Theatre Sands Expo Convention Centre

Time	Programme				
10.30 am	Keynote Address Per Stefan Hrabar Chief Executive Officer and Co-founder Emesent				
10:45 am DIGITAL CONSTRUCTION Assa 2024	Mitigating risks to critical infrastructure assets 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 & satellite surveillance and data acquisition programmes. Key questions include: How projects should be designed with automated inspection programmes in view? What are the latest monitoring technologies available and how can these be integrated into existing maintenance programmes? How is the workflow best managed to ensure on time and on budget maintenance? What are the skill sets required for the seamless phasing in of new solutions? How can improvements in monitoring capabilities assist in extending the lifecycle of individual assets? **Pemesent** **Pong Shao Hui** Associate Head of Pillar of the Engineering Product Development Private Sector Network United Nations **Shane Shi** Managing Director HSC Pipeline Engineering				
11.30 am	Presentation				
11:45 am DIGITAL CONSTRUCTION Asia 2024	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 The session looks to discuss: Planning for roles for new technologies including Al and Quantum computing. The impact of digital twins and visualisation in enabling the execution of large-scale projects Ways of executing data exchange between multiple stakeholders and how to incorporate ever changing technologies and applications. Creating the right framework, synergies, and matching skills to facilitate the introduction of new technologies. Tran Phuc Minh Khoi Vice Director of Digital Transformation Center Portcoast Consultant Corporation Tran Phuc Minh Khoi Vice Director of Digital Transformation Center Portcoast Consultant Corporation Donny Darmawan Australasia Geospatial and Earth Observation Leader Arup Silvia Halim Deputy for Facilities and Infrastructure Nusantara Capital Authority Dr Eugene Seah Chief Operating Officer Singapore Operations, Senior Director, Group CEO's Office & Special Projects Meinhardt Group				
12:30 pm	Networking Luncheon				
1:30 pm	Keynote Address Dr Muh Aris Marfai Head of Indonesian Geospasial Information Agency BIG				

Thursday 7th March

Canopy Theatre Sands Expo Convention Centre

1:45 pm



Creating a domain for the hydrospatial world: building consistent data to best manage competing interests

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.



Moderator Scott Simmons Chief Standards Officer Open Geospatial Consortium



Dinda Mazeda Environmental Engineer Boskalis



Dr Muh Aris Marfai Head of Indonesian Geospasial Information Agency BIG



Dr Eranda GunathilakaChair for Commission 4 on hydrography
International Federation of Surveyors



Denis Hains Member of Seabed 2030 Strategic Advisory Group H2i

2:30 pm

The Nippon Foundation-GEBCO, seabed 2030 project status and way forward



Mr Denis Hains Member of Seabed 2030 Strategic Advisory Group

2:45 pm

Applying new technologies to build a hydrospatial universe



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 hydrospatial dynamics between land and the ocean opportunities abound for the latest technologies to assist in the gathering of essential information to improve decision-making.

From satellite and drones to ROVs and autonomous vehicles mapping based solutions can now be supported by Al and robotics to track changes and predict future behaviour.



Moderator
Dr Kelvin Tang
Universiti Teknologi Malaysia UTM
Senior Lecturer, Faculty of Built
Environment and Surveying



Dr Nguyen Danh ThaoProfessor, Department of Port and Coastal Engineering
Ho Chi Minh City University of Technology



Dr Talia Sherrard Regional Director Strategic Sales & Marketing, MEI Fugro



M Faishal B Abd Rafar Head of Corporate Strategy & Commercial Spatialworks Sdn Bhd

3:25 pm

Tea Break

3:40 pm

Closing Plenary - Mainstreaming Geospatial: Harnessing Geospatial Innovation for Healthcare, Community, and Sustainable Development

Geospatial data and technology has the potential to revolutionize various sectors, with healthcare, social and sustainability taking a transformative leap. This panel discussion explores the strategies, challenges, and opportunities for making geospatial data and technology more mainstream and pervasive in these domains, ultimately enhancing the quality of life for citizens and promoting sustainable development.

The discussion will delve into the following key areas:

- 1. Healthcare: Investigating the potential applications of geospatial in managing public health and healthcare delivery. How can geospatial contribute to better understanding of healthcare needs, optimize resource allocation, and improve health outcomes?
- 2. Social/Community Development: Examining the role of geospatial in community development, engagement, and the provision of social services. How can geospatial be leveraged to improve access to essential services, enhance social cohesion, and promote an inclusive community?
- 3. Sustainability: Exploring the intersection of geospatial with sustainability initiatives, including environmental conservation, biodiversity protection, and enhancing the resilience of our land and marine spaces. How can geospatial better support sustainable development and climate resilience efforts?



Co-host
Colin Low
Chief Executive
Singapore Land Authority



Co-host
David Foo
Chief Executive
Maritime and Port Authority
of Singapore



Dr Cheong Wei Yang Vice Provost Strategic Research Partnerships Provost Office, Singapore Management University



AProf Gan Wee Hoe Chief Executive Officer SingHealth Community Hospitals





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!



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 to guarantee free admission.

Please note a \$\$55 admission fee applies for registrations after 23 February unless you have an invitation code.

For sponsorship & participation options please contact:

Ms Boo Mei Shyan

- meishyan.boo@montgomerygroup.com
- +65 9880 4126

Ms Sarah Nadhirah

- sarah.nadhirah@montgomerygroup.com
- +65 8380 3811

Ms Cindy Chua

- cindy.chua@montgomerygroup.com
- +65 8298 9699

Disclaimer:

Applications for additional industry CPD points continues at time of writing.

CPD Points Confirmed

SISV: 10 points for 2 days conference | SPM: 4 points for 2 days conference | RICS: 3 hours

CONFERENCE PRICING

Conference Pass

Published					
2 Days	1 Day	1/2 Day	Academia	Student	
SGD 995	SGD 525	SGD 275	SGD 525	SGD 315	

Note: Singapore-based registrations are subject to 9% GST

Inviting policy makers, operators and planners from government & leading industries

- Agriculture & Forestry
- Border Control
- Building & Construction
- Disaster & Emergency
- Defence & Intelligence
- Healthcare
- Infrastructure
- Manufacturing
- Mining
- Maritime & Ports
- Oil & Gas
- Smart Cities
- Road & Rail
- Utilities & Renewables
- · Transportation & Logistics

Who should attend?

- Agents & distributors
- Architects
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- CEOs / Directors / Business
- Owners / senior management GIS Specialists
- Consultants

- Data Analysts
- Department Heads
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- Engineers / Technicians
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- Venture Capitalists / Investors

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Ticket entitlements:



Lunch



1/2 day pass







2 days pass





- Agenda corrected as of 22 February 2024, subject to changes.
- For the latest updates and Conference Sponsorship Opportunities please email Cindy.Chua@montgomerygroup.com