

A headshot of Dr. Robert M. Wachter, a middle-aged man with short brown hair, smiling. He is wearing a dark suit jacket over a blue and white striped shirt. The background is dark and out of focus.



Day 1, Tuesday, 15 Oct 2024

Venue: Lifelong Learning Institute, Level 1, Event Hall 1-2
11 Eunos Road 8, Singapore 408601

Time: 9.45am to 9.55am

Industry Keynote by

Mr David Foo

Assistant Chief Executive (Operations and Ops-Tech) /

Chief Data Officer

Maritime and Port Authority of Singapore (MPA)



Time: 9.55am to 10.15am

Morning Refreshments

Time: 10.15am to 10.30am

Harnessing Geospatial Analytics for Social Impact

Over the past two decades, real-world cases have demonstrated the powerful potential of Geospatial Data and Analytics in tackling a wide range of social and environmental challenges, including poverty, inequality, epidemiology and public health, climate change, and human rights. Despite their proven utility, a critical challenge remains: How can we cultivate social awareness and ensure that our geospatial analytics initiatives truly serve the public good and advance social justice? In this presentation, I will share actionable insights and best practices for embedding these values into the mentoring of future management practitioners.



Dr. Kam Tin Seong

Associate Professor of Information
Systems (Practice), School of
Computing and Information
Systems, SMU



Venue: Lifelong Learning Institute, Level 1, Event Hall 1-2
11 Eunos Road 8, Singapore 408601

In this presentation, SingHealth will provide further insights into the background and context of the Living Asset Map project and how geospatial technology has facilitated its development.



Ms Adeline Kwan
Assistant Director, Office of
Community Engagement
and Education
SingHealth Community Hospitals

This session highlights how organizations globally are leveraging GIS technology to address risks and challenges related to climate change and environmental issues. We will explore the impact of the Sustainable Development Goals (SDGs) on various organizations and demonstrate how GIS has been crucial in advancing these goals. Additionally, the session will feature examples of how GIS is being used to foster social good and drive positive change.



Day 1, Tuesday, 15 Oct 2024

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Time: 11.00am to 6.00pm

Unlocking Insights with Aerial Mapping: Tools and Techniques

An increasing need for precise geographic information is driving the rapid expansion of aerial imagery and LiDAR data use across various industries. New applications are emerging through a combination of advancements in sensor technology and processing techniques (including AI) to derive information from the datasets. Aerial imagery, captured by drones, planes, or satellites, provides high-resolution visual data, offering detailed insights for applications including urban planning, environmental monitoring, and disaster response. LiDAR (Light Detection and Ranging) technology uses laser pulses to create precise 3D models of the built environment including buildings, terrain, vegetation and the ground underneath.

This workshop presented by SLA, Woolpert, ESRI, Leica and Bentley will describe the differences between imagery and LiDAR sensors, explain how aerial mapping data is collected and processed along with applications and insights that can be gained from the data.



Mr Ricky Thomson
Aerial Mapping
Production Manager
Woolpert



Ms Maziana Muhamad
Mapping Account Manager
Woolpert



Mr Brian Connolly
Senior Solution
Engineer, Reality,
Imagery and
Remote Sensing
Esri - Denver,
Colorado, USA
ESRI



Ms Liezel Dizon
Business Development
Manager – APAC , Reality,
Imagery and Remote Sensing
Esri Inc, Singapore



Ms Maylen
Yee-Cabalan
Manager, Solution
Engineering (SEA)
Bentley

Time	Program
1.30pm	Registration
2.00pm	Welcome Remarks
2.10pm	Introduction by Attendees
2.30pm	Introduction to OGC and OGC Forums (Scott Simmons)
2.50pm	Short presentations on the use of Standards in Singapore
3.40pm	Tea and Networking
4.00pm	Discussion on geospatial priorities for Singapore and final thoughts from attendees
5.00pm	Adjourn

GEOSPATIAL FOR GOOD

Enriching Minds, Empowering Lives



Day 2, Wednesday, 16 Oct 2024

Venue: Revenue House, Level 13
55 Newton Road, Singapore 307987

Time: 10.00am to 11.00am

Harness the Power of Geospatial Data on the AWS Cloud to Build Inclusive and Climate-Resilient Cities

In this interactive session, we will explore the power of the AWS cloud in automating geospatial data workflows. We will discuss leveraging AWS services to automate geospatial data processing, enrich and analyze data assets, and gain deeper insights. We will dive into the integration of advanced technologies, such as AI and generative AI, into applications to unlock the full potential of Geospatial data.

Government agencies and organizations can harness these cloud-powered capabilities to develop better urban planning solutions, create more inclusive communities, and build climate resilience. We will examine real-world case studies that showcase the transformative impact of cloud-based Geospatial solutions on its citizens.



Mr Sapan Kumar

AWS Smart Cities
Leader, ASEAN
Amazon Web Services
(AWS)

Time: 11.30am to 12.30pm

From Blueprint to Greencubes: Role of Geospatial technology in Social Transformation



Mr Faheem Khan

President
Hexagon Geosystems



Mr Daryl Lim

Regional Business Manager
Leica Geosystems

Join this session to explore how geospatial technology is revolutionizing society by leveraging accurate spatial data to enhance decision-making in urban planning, disaster management, and infrastructure development. Discover how geospatial technology promotes sustainability and drives positive change across various industries and sectors!



Day 2, Wednesday, 16 Oct 2024

Venue: Revenue House, Level 13
55 Newton Road, Singapore 307987

Time: 12.30pm to 1.30pm

Lunch Break

Time: 1.30pm to 3.30pm

Transforming Reality Capture Data Into Actionable Information

Point cloud classification and feature extraction are the critical building blocks of nearly every reality capture solution. Streamlined workflows incorporating artificial intelligence (AI) makes it faster and easier to produce useful, actionable information from large volumes of data to address real-world problems. Various use cases for public safety and risk mitigation will be discussed including AI inspections of road conditions, road asset monitoring, and railway clearance analysis.



Mr Benjamin Lim

Regional Technical
Sales Manager
Trimble

Time: 9.30am to 2.00pm

GeoAdventure – Navigating the World of Geospatial Intelligence & Technology

This engaging session introduces the fascinating world of geospatial technology to students and new professionals to the geospatial industry. We will explore what is geospatial technology , how it empowers us in our daily lives, as well as the current geospatial industry landscape. There will also be a fun activity where you will use geospatial tools to discover and appreciate how geospatial technology influences the way we navigate and understand our environment.



Mr Jonathan Goh

Geospatial Manager,
GeoSpatial Policy & Engagement
Singapore Land Authority (SLA)

Associate Professor of Information
Systems (Practice), School of
Computing and Information
Systems, SMU



For enquiry and registration, please email to geospace-sea@mpa.gov.sg

Don't miss this opportunity to explore the challenges and innovations in collecting geospatial data at sea!

Don't miss this opportunity to explore how marine geospatial insights are revolutionising maritime operations and shaping the future of our oceans!

Mr Ng Siau Yong
Director, GeoSpatial and Data
& Chief Data Officer
Singapore Land Authority
(SLA)



Day 3, Thursday, 17 Oct 2024

Venue: Kallang → Marina

Time: 5.00pm to 7.30pm

Limit at 20 pax
Registration is confirmed upon organiser's email confirmation.

Empowering Active Mobility with MOVE&JOY app

Join us for a scenic evening bike ride from Kallang to Marina!

Learn how Singapore #1 active mobility lifestyle app utilize OneMap and location-based services to empower active and micro mobility users and local business. Meet the team behind this homegrown startup and experience a scenic ride from Kallang to Marina while utilizing the app. Win a prize at the end of ride in a special pop-quiz.

Time	Program
5.00pm	Safety briefing at Stadium MRT, Exit A (Sign-up required, no walk-ins)
5.30pm	Bike Collection
6.30pm	End at Bayfront with Pop-quiz Group Photo at the Big Chair
7.00pm	End of Activity

