



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



# Day 1, Tuesday, 15 Oct 2024

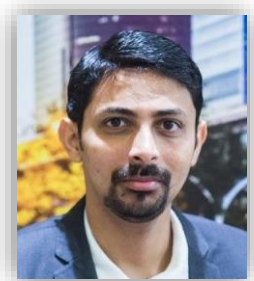
Venue: Lifelong Learning Institute, Level 1, Event Hall 1-2  
11 Eunos Road 8, Singapore 408601

Time: 10.45am to 11.00am

# Leveraging AWS Cloud to Drive Positive Social Impact Through Geospatial Innovation

The proliferation of satellites and billions of mobile and IoT devices capturing location data continuously resulted in an exponential growth of geospatial data. This data deluge poses a significant challenge for organizations looking to harness the value of this information and create impactful applications for their citizens.

In this session, we will explore how the city of Barcelona combined data from diverse sources, including Geospatial data and leveraged AI/ML technologies on the AWS cloud, to establish Low Emission Zones (LEZs) that improved air quality and achieved a healthier, more sustainable environment for its citizens. We will also showcase how the integration of health data on Geospatial platforms can help detect and prevent the spread of pandemics.



Mr Sapan Kumar

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

Time: 11.00am to 11.15am

# Combating Climate Change with Geospatial AI and Machine Learning

This engaging session introduces what geospatial machine learning and AI is to any technical or non-technical professionals in the GIS and surveyor world. We will explore case studies of how powerful software infrastructure and machine learning is being used today to create models that help us better understand our natural world, finance natural restoration projects and mitigate climate risks.



Mr Johann Wah

Co-Founder  
Nika.eco



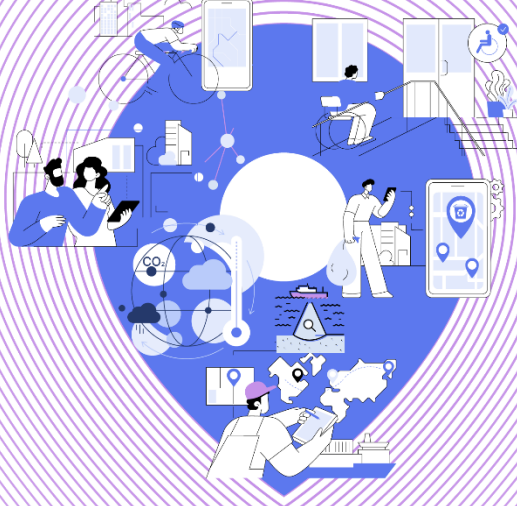


## Lunch Break

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



Regional Business Manager  
Leica Geosystems



## Day 2, Wednesday, 16 Oct 2024

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

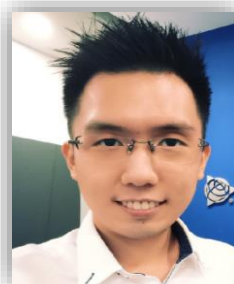
Time: 12.30pm to 1.30pm

## 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)





# Day 2, Wednesday, 16 Oct 2024

Venue: SMU Campus, SOE/SCIS2 Seminar Room 4-1 (Level 4)  
Level 4, 90 Stamford Road, Singapore 178903

Time: 2.00pm to 5.00pm

# Building Web-Enabled Geospatial Analytics Applications with Shiny

Web-enabled geospatial analytics applications are increasingly used by geospatial practitioners to democratize data and analytics. These applications extend the usability of existing datasets, allowing even casual analysts to explore data and perform advanced geospatial analyses without writing a single line of code. Traditionally, building a web application required at least intermediate knowledge of HTML, CSS, and JavaScript. However, with Shiny - a tool for creating web applications using R or Python - geospatial analysts can now build web-enabled geospatial analytics apps without prior experience in these languages.

This workshop aims to:

- introduce the fundamental principles and methods of the Shiny package,
- provide hands-on experience in building web-enabled geospatial analytics applications with Shiny, and
- discuss options for offline and online hosting of Shiny apps.

Speaker:



Dr Kam. Tin Seong

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](mailto: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)



Venue: Kallang → Marina

