



# ONE DAY COURSE ON LIDAR TECHNOLOGY AND ITS APPLICATIONS IN ENGINEERING

by **Gs. Trudy R Ganendra**

***REGISTER NOW!!***  
***LIMITED TO 120 SEATS ONLY!!***

**CLOSING DATE : 19 JUNE 2024**

**DATE : 26 JUNE 2024 (WEDNESDAY)**

**PLATFORM :PHYSICAL**

**PHYSICAL - AUDITORIUM MALAKOFF, GROUND FLOOR,  
WISMA IEM, PETALING JAYA.**

**TIME : 9.00 A.M. - 5.30 P.M.**

**CPD HOURS : 07 HOURS**

**CPD REF NUMBER : IEM24/HQ/107/C**

Email : [shamalah@iem.org.my](mailto:shamalah@iem.org.my)  
Tel : 03-78900133

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.



# SPEAKER

## Gs. Trudy R Ganendra



Gs. Trudy R. Ganendra graduated from the University of Cambridge in 1997 with a Masters of Engineering degree, and in 1999, obtained a Master of Science in Environmental Engineering from Imperial College London. In 2001, she was appointed as the Director of Ground Data Solutions R&D Sdn. Bhd. (GDS), a Malaysian-owned LiDAR survey and mapping service provider. GDS has been providing accurate, cost-efficient mapping and mapping products to a broad range of clients since 1991, including developers, planners, and designers throughout Southeast Asia. GDS is the only local service provider of airborne LiDAR and digital imagery surveys in Malaysia: it owns its own LiDAR systems, is involved in research and development of said technology, and is a direct operator with a proven track record of more than 30 years in the industry in Malaysia and Southeast Asia. She is responsible for the day-to-day activities of GDS in both business and operational capacities. Her business responsibilities encompass corporate policies, financial analysis and strategic relations. The operational aspects involve bidding, planning and execution as well as reporting and client liaison. To date, she has successfully executed 121 LiDAR projects.

## SYNOPSIS

LiDAR surveying is being increasingly used worldwide for its accurate, cost effective, and fast acquisition of topographical and imagery data. It provides high resolution 3D data of large swaths of landscape at rates of dozens of square kilometers per hour, which can then be used create numerous products that are useful for many engineering, environmental, natural resource, and infrastructure applications. The technology has been in use in Malaysia since 1989, and its users have benefited from its many cost, accuracy, and speed advantages. As LiDAR technology continues to advance, more exciting developments in the near future will be seen. LiDAR technologies and markets are rapidly evolving, it allows us to capture information about a site, object or landscape that can be represented in a highly visual way – a point cloud map, 3D mesh or model that we can analyse to understand and estimate various conditions and characteristics of the survey site. Despite its power, poor understanding of LiDAR and its data can lead to inferior analyses and utilization, and oftentimes the full potential of the data is unrealized. There are numerous nuances in the management and utilization of LiDAR data that changes depending on the quality and resolution of the data, as well as the specific applications that it's being used for This talk will highlight to attendees the latest LiDAR technology and how it can be used effectively by all the professionals will be explain.



# PROGRAM OUTLINE

Time	Itinerary
8.30am - 9.00am	Registration & Breakfast
9.00am - 9.05am	Welcome address by Session Chairman
9.05am - 10.30am	Session 1 - LiDAR Technology
10.30am - 10.45am	Morning tea break
10.45 am - 12.00noon	Session 2 : Software for LiDAR Data Processing
12.00noon - 1.00pm	Session 3 : Preparing a LiDAR Request for proposal
1.00pm - 2.00pm	Lunch Break
2.00m - 2.15pm	Session 4 : Matching LiDAR Data
2.15pm - 3.00pm	Session 5 : LiDAR Applications for Engineer
3.00pm - 4.45pm	Session 6 : Hands-on Practical using Global Mapper
4.45pm - 5.00pm	Tea Break
5.00pm - 5.30pm	Q&A and Wrap Up
5.30pm	End of Session



# REGISTRATION FORM

ONE DAY COURSE ON LiDAR TECHNOLOGY AND ITS APPLICATIONS IN ENGINEERING (PHYSICAL)

26 JUNE 2024 (WEDNESDAY)

Email : shamalah@iem.org.my Tel : 03-78900133

## REGISTRATION FEE'S (subject to 8% SST)

	ONLINE FEE (RM)	NORMAL FEE (via email / walk in) (RM)
IEM Student Members	150.00	200.00
IEM Graduate Members	250.00	300.00
IEM Corporate Members	400.00	450.00
Non-IEM Members (None of the Above)	800.00	900.00

No	Name(s)	Membership No.	Grade	Fee (RM)

**"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion".  
IEM SHALL NOT be responsible for any direct or consequential losses".**

**For further details, kindly contact:  
The Institution of Engineers, Malaysia  
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor  
Tel: 603-78900133**

**Email : shamalah@iem.org.my**



# REGISTRATION FORM

Cash RM -----

Cheque no. \_\_\_\_\_ for the amount of RM \_\_\_\_\_ (non refundable)  
payable to "The Institution of Engineers, Malaysia" and crossed as a/c  
payee only

**FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch (whichever available).**

**For ONLINE REGISTRATIONS, please note that payment MUST be made BEFORE the closing date. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.**

NAME	
ORGANIZATION	
DESIGNATION	
MAILING ADDRESS	
CONTACT NO (OFFICE)	
HANDPHONE NO	
E-MAIL	

SIGNATURE -----

STAMP -----



# ADVERTISEMENT BOOKING FORM

ONE DAY COURSE ON LIDAR TECHNOLOGY AND ITS APPLICATIONS IN ENGINEERING (PHYSICAL)  
26 JUNE 2024 (WEDNESDAY)

Email : shamalah@iem.org.my Tel : 03-78900133

Chairman, WOMEN ENGINEERS SECTION, (WES),

We would like to place an advertisement in the EVENT BOOKLET of ONE DAY COURSE ON LIDAR TECHNOLOGY AND ITS APPLICATIONS IN ENGINEERING (PHYSICAL) (26 JUNE 2024) as indicated below and attach herewith

cheque no. .... for the sum of RM ..... made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA"  
being our booking fees:-

Tick (✓)	Location	Adv rate	Complimentary Participant Seat	Promotion Table @ Registration Foyer Only
	Outside Back Page (Colour)	RM 6,000.00	3 seats	1 table 2 chairs
	Inside Front Page (Colour)	RM 4,500.00	2 seats	1 table 2 chairs
	Inside Back Page (Colour)	RM 4,500.00	2 seats	1 table 2 chairs
	Inside Run of Page (Colour)	RM 2,500.00	1 seats	nil

## PAYMENT DETAILS

Account Name : THE INSTITUTION OF ENGINEERS, MALAYSIA

- Account Number : 232-303-911-0
- Bank Name : UNITED OVERSEAS BANK (UOB)
- Bank Address : NO 2-6, JALAN TENGAH, 46200 PETALING JAYA, SELANGOR
- Swift Code : UOVBMK1025
- Email Address for Receiving Remittance Advise : finance@iem.org.my/shamalah@iem.org.my

## CONTACT INFO

<b>Contact Name:</b>				
<b>Organisation:</b>				
<b>Designation</b>				
<b>Mailing Address:</b>				
<b>Contact Nos.:</b>	<b>Tel:</b>		<b>Fax:</b>	
<b>Contact Num</b>				
<b>E-mail:</b>				