

## Location Map of GPS Lands Training Centre



© 2015 One Map

\*Take SBS Bus 410G from Bishan Bus Interchange;  
Alight at Raffles Junior College Bus Stop.

\*Alternatively, the nearest MRT Station would be  
Marymount Station (about 5 mins walk from MRT  
Station to GPS Lands Training Centre.)

## Enrolment Information:

### Training Venue

No 35 Jalan Pemimpin #05-02,  
Wedge Mount Industrial Building,  
Singapore 577176  
Tel: (65) 6354 5950  
Fax: (65) 6354 5949

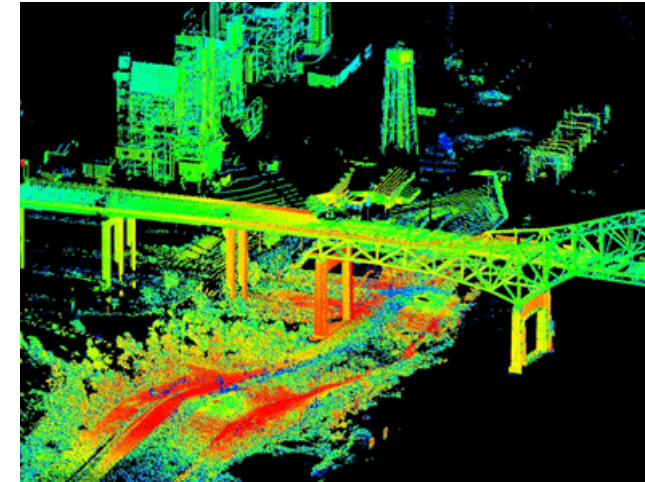


### Enquiries

Contact: Ms Grace Yap ([sales@gpslands.com](mailto:sales@gpslands.com)) / Mr Dickson Tan  
([dickson.tan@gpslands.com](mailto:dickson.tan@gpslands.com))

Tel:(65) 6354 5950  
Fax: (65) 6354 5949

# From Scans to Deliverables: A Surveyor's Perspective



Conducted by:



# About the Course

The course will focus on Scanning technology, data collection, processing and simple modelling, and examples of Land surveying applications. A combination of lectures and hands-on demonstrations of the hardware used as well as data processing procedures.

## Benefits to You:

- Acquire a better understanding of laser scanning technologies
- Know what a point cloud is and how to manage it
- Up close and personal with a terrestrial laser scanner as well as a handheld scanner
- Witness first-hand how the scan data are processed and knowing the strengths and weaknesses of each different workflows
- Acquire possible ideas of how the scan data can be utilized to create "content-rich" deliverables

## Lecture Outlines:

### General Topics:

1. What is laser scanning? What are point clouds?
2. Comparing traditional data capture methods to scanning
3. Introduction to the hardware
  - Terrestrial laser scanner (Static)
  - GeoSlam (Mobile)
4. Hardware live demonstration
5. Software registration demonstration
6. Discussions of possible deliverables (with software demo)
  - Dimensions extraction
  - Floor plans and sections plans creation
  - Volume Calculation, Contours Generation
  - Feature extraction
  - Digital Terrain Models / TIN Models (Triangulations)
  - Meshing
  - Comparison to design (Change Detection)
7. Creating 3D models from point cloud
  - Fitting shapes to point cloud (Realworks)
  - Introduction of Undet for SketchUp

## Course Duration:

- 4 hours session (From 2pm to 6pm)
- **Minimum No. Of Paxs (4) (On demand)**

## Course Fee:

- **S\$350 Per Pax (S\$374.50 after GST)**

## APPLICATION FORM

Please Select		<b>FROM SCANS TO DELIVERABLES: A SURVEYOR'S PERSPECTIVE</b>
<b>A) PERSONAL PARTICULARS</b>		
Name (as in NRIC/Work Pass):		
NRIC/FIN No.:	Date of Birth:	Sex: Male / Female
Nationality:	Mobile No.:	
Email:		
Address (as in NRIC):		

<b>B) EMPLOYMENT PARTICULARS</b>	
} u %o v Ç [ • E u W	
} u %o v Ç [ • Ć • • W	
Tel No.:	Fax No.:
Email:	
Position:	

<b>C) REGISTRATION / PAYMENT</b>		
Course Fee	Course Fee \$350 ( After GST \$374.50)	Applicant's Signature
		Date:
SPONSORED BY COMPANY	YES / NO	Employer's Signature
<b>NOTES:</b> <ul style="list-style-type: none"> <li>Full payment must be made before commencement of course.</li> <li>Cheque should be made payable to "<b>GPS Lands (Singapore) Pte Ltd</b>"</li> </ul>		Name Date: Company Stamp:

### FOR OFFICIAL USE ONLY

Commencing Date:	Course Batch #:
Cheque No.:	Amount:

**\*\*NOTE: GPS Lands reserves the rights to cancel or postpone the Course.**