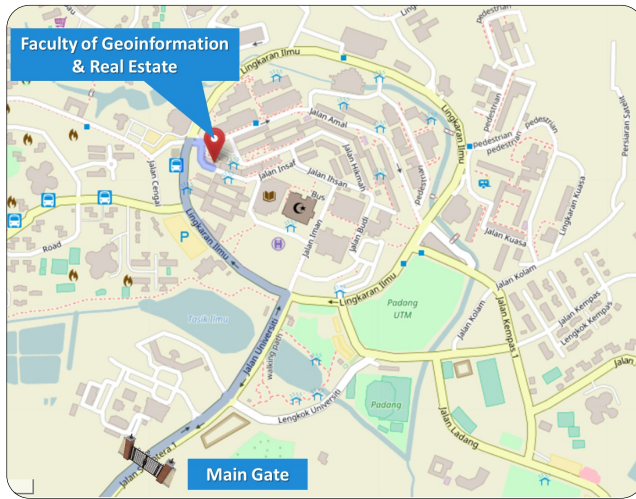


LOCATION:



Coordinate:

1° 33' 36.5" N, 103° 38' 08.3" E

We suggest nearby accommodations:

Scholar's Inn UTM

Reservation: +607 553 5197, +607 553 6695

Website: <http://www.utm.my/scholars-inn/>

Pulai Springs Resort

Reservation: +607 521 2121

Website: <http://www.pulaisprings.com/>

Rose Cottage Hotel, Taman Universiti

Reservation: +607-521 1366

Website: <http://www.rosecottagehotel.com/>

Hotel Austin Paradise, Taman Pulai Utama

Reservation: 07-562 6222 / 016-723 6222

Website: <http://www.hotelaustinparadise.com/>

FOR REGISTRATION AND ADDITIONAL INFORMATION:

CONTACT PERSON

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UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Geomatics Innovation
Research Group



GEO TROPIK
Centre of Tropical Geoengineering



GTS Global-trak Systems

FACULTY OF GEOINFORMATION AND REAL ESTATE

UNIVERSITI TEKNOLOGI MALAYSIA

81310 UTM, JOHOR

TRAINING WORKSHOP:

GPS GROUND CONTROL POINT FOR UAV MAPPING

Free-trial UTM
CTP software.



Training workshop by
university experts,
industry & practitioner.

Date: 29th - 30th August 2017

Venue: Seminar Room 1, FGHT, UTM

CONTENT

The aim of this training workshop is to provide comprehensive understanding on the establishment of Ground Control Point (GCP) for Unmanned Aerial Vehicle (UAV) mapping.

Uniqueness of this training workshop is to combine expertise in GPS and UAV from university, industry and practitioner that will give broad exposure on the subject matters to each participant.

The training workshop will cover simple lectures and practices, yet exciting topics on GPS observation techniques, coordinates transformation & map projection as well as UAV mapping. In addition, participants will experience interesting hands-on labs on GPS and UAV data processing. Finally, each participant will enjoy a fruitful discussion and throw questions on the related subject.

At the end of this workshop, it is expected that each participant ready to practice knowledge from this training in a real situation.

DAY 1	TENTATIVE
08:30 – 09:00 AM	REGISTRATION
09:00 – 09:15 AM	WELCOMING ADDRESS
09:15 -10:15 AM	INTRODUCTION TO GPS
	1 GPS overview
	2 GPS observation techniques
	2.1 Code-based measurement: Navigation solution and DGPS.
	2.2 Carrier phase measurement: Static, Fast static, RTK & Network-RTK.
10:15 -10:30 AM	Break
10:30 -11:30 AM	COORDINATE SYSTEM
	1 Geodetic coordinate system: WGS84 or GDM2000?
	2 Map projection: Cassini or RSO?
11:30 – 01:00 PM	UNMANNED AERIAL VEHICLE (UAV)
	1 Introduction to UAV
	2 UAV flight planning
	3 UAV image processing requirements
01:00 – 02:00 PM	Lunch Break
	PRACTICAL
02:00 – 03:30 PM	1 Practical 1: GPS observation of GCP for UAV
03:30 – 05:00 PM	2 Practical 2: UAV observation
DAY 2	TENTATIVE
08:00 – 09:00 AM	HANDS-ON LABS
09:00 – 09:30 AM	1 Lab 1: GPS Data processing with Trimble Business Centre (TBC) software
(Break)	1.1 GPS baseline & network processing for reference stations
09:30 – 10:30 AM	1.2 GCP processing & checking
	1.3 Coordinate transformation (UTM CTP software)
10.30 – 01.00 PM	2 Lab 2: UAV Data Processing
	2.1 Aerial photo preparation
	2.2 Geo-referencing
	2.3 Generating orthophoto & DEM
01.00 – 2.00 PM	Lunch Break
02.00 – 03.00 PM	DISCUSSION AND Q&A SESSION – PART 1
03.00 – 03.15 PM	Break
03.15 – 04.15 PM	DISCUSSION AND Q&A SESSION – PART 2
04.15 – 05.00 PM	CLOSING CEREMONY

REGISTRATION FORM

Title: Prof/Dr/Sr/Mr/Mrs/Miss

First/Given Name:

.....

Surname/Last name:

.....

Company:

.....

Email:

.....

Phone:

.....

Payment Options:

CIMB Bank Berhad - UTMSPACE account 8601518228 .

Cheque - Pay to UTMSPACE.

* Please email this registration form and prove of payment (bank slip/deposit slip, etc.) to gpsuavwshop@gmail.com

Registration Fees : RM 1200/person (dateline 1st July 2017).

Student Registration : RM 800/student (dateline 1st July 2017).

Kindly be informed to all participants:

* Fees does not include accommodation.

* Refreshment and lunches will be provided.

* Free 2 months trial UTM Coordinate Transformation Program (CTP) software.

* Training workshop certificate will be provided.

* We encourage each participant to bring your own laptop.

* Limited to 40 participants.