



Speaker: Prof. Dr. Rosli Saad
Honorary Professor (USM)
Founder of Global GeoExperts
With >37 years in geophysics Prof.
has worked with professional
bodies including JMG, GAMUDA,
JKR and Geotropik. Having worked
closely with international
organisations such as Guideline
Geo and Geomative, Prof. also
contributed his expertise to global
projects in the Philippines,
Indonesia and Saudi Arabia.



Trainer: Assoc. Prof. Dr.
Nordiana Mohd Muztaza
(USM)
12 years experience in
Geophysics and research
interest in near surface,
geothermal, landslide, slope
stability, mineral and
groundwater exploration.

Introduction

Universiti Sains Malaysia (USM) is the only university in Malaysia that offers geophysics course (BSc, MSc and PhD). Hence, geophysics group, School of Physics will conduct a series of GEOPHYSICAL WORKSHOP throughout 2023/24 to elevate the geophysics standard in Malaysia and globally. The series of workshop will cover geophysical methods that are mostly applied in engineering and environmental issues. The first workshop will focus on seismic refraction. Method such as GPR, 2-D resistivity, Induced Polarization (IP), Self-Potential (SP), Multichannel Analysis of Surface Waves (MASW) and Remote Sensing will be conducted in the subsequent series.

GEOPHYSICS WORKSHOP SIRI 1: SEISMIC REFRACTION METHOD

Focusing on seismic refraction (P and S-waves) for engineering and environmental issues, this workshop will cover seismic waves characteristic, applications, survey plan, data acquisition, processing (SeisOpt@2D) and interpretation.

Objective

- To explain the theory and application of seismic refraction in engineering and environmental.
- To demonstrate the procedure of seismic refraction data acquisition
- To demonstrate in how to choose the first pick wave on seismic data processing and interpretation

CPD APPLIED



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School of Physics, USM

WORKSHOP INFORMATION

Date & time : 11th March 2023 (8:30 am – 5:00 pm) and
12th March 2023 (8.30 am– 12 pm)

Venue : Conference room, School of Physics, USM

Fee : RM 400 (standard participant),
RM 300 (Student)

Payment methods :

(1) Bank Draft/ Cheque (Company)/ Local Order (LO)/ Purchase Order (PO) – Payable to USAINS Holding Sdn. Bhd.

(2) Online Banking [(Electronic Fund Transfer (EFT) / Telegraphic Transfer (TT)]:

Account Name : USAINS Holding Sdn. Bhd.

Bank Name : AmBank (M) Berhad.

BAccount Number : 888 – 100 – 985 – 0380.

Swift Code : ARBKMYKL.

Please upload proof of transfer/payment.



Register here



WHO SHOULD JOIN?

- Practitioner, Academician, Geophysicist, Geologist, Geoscientist, Engineer, Contractor, Consultant, Postgraduate and Undergraduate student

TENTATIVE WORKSHOP

Date	Time	Activity	Venue
11 March 2023 (Saturday)	8:00 AM	Registration	Conference room, SOP
	9:00 AM	Briefing about the workshop	Conference room, SOP
	9.15 AM	Technical talk	Conference room, SOP
	10:00 AM	Coffee break	Conference room, SOP
	10:30 AM	Technical talk	Conference room, SOP
	12:30 PM	Lunch break	Conference room, SOP
	2:30 PM	Practical: Seismic refraction data acquisition	Padang Minden, USM
	5:00 PM	Day 1 - End	
12-03-2023 (Sunday)	8:00 AM	Registration	Conference room, SOP
	8:30 AM	Software training: Processing	Conference room, SOP
	10:00 AM	Coffee break	Conference room, SOP
	10:30 AM	Continue processing	Conference room, SOP
	11:30 AM	Data interpretation	Conference room, SOP
	12:00 PM	Lunch break Day 2 - End	Conference room, SOP

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