



Ranau,
2016

2018 International Short Course on Earthquake Source & Hazard

This comprehensive short course is specially designed for you to prepare for

EXPECTING THE UNEXPECTED

Earthquake Awareness – Expecting The Unexpected



Swiss Garden & Residences
Hotel, Kuala Lumpur



24th – 25th September 2018
0830 - 1730

Subsurface response during and after earthquake is essentially required for working out rational estimation of seismic forces likely to act on the foundation and the structure. Subsurface material demonstrates a complex three dimensional response to earthquakes and seismic loading. The criteria is needed as an input in designing practice which should be covered in Standard Building Code of Practice.

Seismic Hazard Map is a tools for planning and to determine Peak Ground Acceleration as a results from the earthquake activity to maintain the sustainability of the structure. Earthquakes are not fully predictable, so the best practice is to always be prepared with the unexpected. Malaysia is not spared. It is bound to the regional seismicity effect and susceptible to local earthquake tremor.

This comprehensive short course on earthquake will be delivered by the key personnels and experts that developed Indonesian Seismic Hazard Map 2017 through data collected for the past 100 years. It is our hope that this invaluable information can help us to develop Malaysia comprehensive seismic hazard map incorporated with other regional countries in South East Asia.

Objectives

- To provide an exposure and awareness to geotechnical earthquake source & hazard in local region for future development planning.
- To deliver fundamentals of seismic hazard mapping relevant to geotechnical earthquake source & hazard.
- To comprehend the behaviour of base rock and soil structures during earthquakes.
- To introduce modelling elements of preparation for seismic hazard mapping.

Organised by:



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

GEO TropiK
Centre of Tropical Geoengineering
"EXPLORING TROPICAL GROUND"

Registration Fee

Professionals:
 RM 1500
USD 400

Students:
 RM 600
USD 150

(The fee includes notes & material, lunch & refreshment and certificate of attendance)

In collaboration with:





“speakers’ spotlight”



PROF. DR. PHIL R. CUMMINS
Professor of Natural Hazards,
Australian National University,
(Seismologist)

Topic: Interdisciplinary/International Collaboration
in Earthquake Research and Education to Support
the Development of the Indonesian Seismic Hazard
Map



PROF. IR. DR. MASYHUR IRSYAM
President Indonesian Society for Geotechnical Engineering
and Chairman Team for Updating of Seismic Hazard Maps of
Indonesia 2010 and 2017
(Earthquake Geotechnics)

Topic: Development of seismic source and hazard
maps of Indonesia 2017



PROF. DR. SRI WIDIYANTORO
Dean of Mining and Petroleum Engineering,
Bandung Institute of Technology
(Geophysics)

Topic: Hypocenter Relocation Using a 3D
Seismic Velocity Model Derived from
Tomography: A Case Study for the Sunda Arc



DR. ASRURIFAK ARCHAUL
Institut Sains & Teknologi Nasional (ISTN), Jakarta,
Indonesia
(PSHA Expert)

Topic: Determination Seismic Parameters and
Source Models for Input Seismic Hazard Analysis
to Develop Seismic Hazard Map



PROF. IR. DR. RAMLI NAZIR
Deputy Director,
Centre of Tropical Geoengineering (GEOTROPIK),
Universiti Teknologi Malaysia (UTM)
(Geotechnical Expert)

Topic: Soil Liquefaction Phenomena Due To Earthquake



DR. DANNY HILMAN NATAWIDJAJA
Earthquake Geology & Active Tectonics,
Research Centre Geotechnology,
Indonesian Institute of Sciences (LIPI)
(Geologist)

Topic: Earthquake Geology and Active
Tectonics of Indonesia – Malaysia Region



IR. LUTFI FAIZAL
National Center for Earthquake Studies,
Research Institute of Housing & Human Settlements,
Ministry of Public Works & Housing, Indonesia
(Indonesia SHM Coordinator)

Topic: The Overview Of Indonesian Strategy For
Reducing Of Earthquake Hazard Impact



DR. IRWAN MEILANO
Fakultas Ilmu dan Teknologi Kebumian,
Bandung Institute of Technology
(Geodesy & Volcanologist)

Topic: New insights on the seismic hazard in the
Southeast Asia inferred from GPS observation



DR. WAHYU TRIYOSO
Geophysics Engineering Department
FTTM-ITB Bandung
(Seismologist)

Topic: Earthquake Catalog, Background
Seismicity, and Earthquake Probability &
Seismic Hazard Function



DR. MOHD FIRDAUS MD. DAN@AZLAN
National Fellow,
Centre of Tropical Geoengineering (GEOTROPIK),
Universiti Teknologi Malaysia (UTM).
(Geologist)

To confirm your registration, please complete this confirm

Name : _____
NRIC/Passport No.: _____
Title: _____
Organisation : _____
Address: _____
H/phone: _____
Fax: _____
Email: _____

Authorised Signature: _____

Name: _____
Date : _____
Designation : _____

Mode of Payment-----

A. Cheque or Bank Draft

Cheque No./Bank Draft No. : _____ Bank/Branch: _____

All crossed cheque/bank draft should be made payable to Account Name: UTMSPACE

Account Number: 8601518228 | Bank Name : CIMB ISLAMIC BANK BERHAD | Swift Code : CIBBMYKL

B. Cash

For Further Information, Please Contact:
GEOTROPIK Secretariat

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