

**25 March 2021**

**8 April 2021**

**15 July 2021**

**Geoscience Webinar Series by UTP and UMT**

A series of online webinars that cover various topic on Geoscience has been conducted by the Universiti Teknologi Petronas (UTP) and Universiti Malaysia Terengganu. The webinar series aimed to provide insightful and latest findings within geoscience field to students and public. The webinar series kick off in March 2021 with the talk by Dr. Abdul Halim (UTP) on the Introduction on Seismic Data Processing. The talk has been attended by undergraduates and postgraduate students from UMT. The attendees were exposed on the technical processes in seismic data analysis. The second and third session of the webinar series took place in April 2021. A talk on micropaleontology theme have been presented by Dr. Wan Nurzalia and Dr. Fatin Izzati from UMT. This time around attendees of the webinars were exposed to the application of micropaleontology study in predicting the future and understanding the past changes of planet Earth. The attendees were undergraduate, postgraduate, industrial partner (Mineral and Geoscience Department of Malaysia) and faculty members from UTP and UMT. Finally, a talk by Gs. Dr. Muhammad Hafeez on the Electromagnetic Method for Investigating Antarctica Ice-sheet Stability ended the webinar series in July 2021. The talk was very successful with attendance from students and faculty members from UTP and UMT.

**Online Webinar Series 1/21: Geoscience**

**25 March 2021**

**Introduction  
Seismic Data  
Processing**



**SPEAKER**

**Dr Abdul Halim Abdul Latiff**

Dr Abdul Halim is currently leading the Centre for Subsurface Imaging (CSI), an oil and gas industry-oriented research centre in Universiti Teknologi PETRONAS (UTP). He obtained his MEng, MSc and Doctorate from Imperial College London, UTP and Universiti Sains Malaysia (USM) respectively with special interest in seismic technology and deep-earth seismology. His main area of expertise is in seismic processing and imaging, both for active and passive seismic (including earthquake seismology).



## Online Webinar Series 2/21: Geoscience

8 April 2021

# Benthic Foraminifera in Paleoenvironmental Studies



**SPEAKER**

### Dr Wan Nurzalia Wan Saelan

Dr Wan Nurzalia is a senior lecturer under Marine Science Department in Universiti Malaysia Terengganu (UMT). She obtained her BSc, MSc and Doctorate from KUSTEM, UMT and University of Vienna, Austria respectively with special interest in benthic foraminifera depth coenocline and taphonomy. Her main area of expertise is in marine science and micropalaeontology.



## Online Webinar Series 3/21: Geoscience

8 April 2021

# Holocene Sea Level: What Happened Along Our Coast for the Last 10kya



**SPEAKER**

### Dr Fatin Izzati Minhat

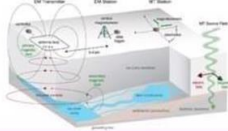
Dr Fatin is a lecturer under Marine Science Department in Universiti Malaysia Terengganu (UMT). She obtained her BSc, MSc and Doctorate from Universiti Sains Malaysia and UMT respectively with special research interest in application of benthic foraminifera as indicators of sea level changes in Malaysia. Her main area of expertise is in marine science and micropalaeontology.



## Online Webinar Series 5/21: Geoscience

15 July 2021

# Electromagnetic method for Investigating Antarctic Ice-Sheet Stability



**SPEAKER**

### Gs. Dr. Muhammad Hafeez Jeofry

Gs. Dr. Muhammad Hafeez Jeofry is a lecturer of Marine Geoscience at the Faculty of Science and Marine Environment, Universiti Malaysia Terengganu. He was conferred a PhD in Earth Science and Engineering from Imperial College London, UK in 2019. Currently, his research centres on the ocean, geology and glaciological interactions using geophysical and remote sensing methods to comprehend localised marine geological continental margin processes and polar ice-sheet instability.



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Mute all Unmute all

### Marine Source

Most energy source

- Air guns
  - Creates a shock wave surrounding an air bubble in the water.
- Sparker
  - Similar to one created by an explosive source but with some control and much less hazard

Shock wave produced by rapidly compressing the water molecules in the vicinity of the source

Wave spread out and travels through the sediment and rock underlying the water column