

IGM NEWS



Advance Geoscience,
Advance the Nation

The electronic newsletter of the Institute of Geology Malaysia

January-March 2023

For IGM members only

Vol 3, Issue 4

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ABOUT IGM

Institute of Geology Malaysia, also known as IGM, was officially registered with the Malaysian Registrar of Societies in 1989 (PPM-003-14-11031989). Its establishment was in response to the urgent need for a single body to regulate the profession of geology in Malaysia. The seal of IGM portrays a hammer flanked by silhouette maps of Peninsular Malaysia and East Malaysia. The seal depicts the basic tool of the field geologist and thus symbolizes the role of the geologist in Malaysia. The objectives of IGM are as follows:

1. To provide a central organization for geologists in the form of a learned and scientific institute for geology and to provide for the definition of, and qualification for, the various branches of the profession of the geological sciences.
2. To promote friendly interaction amongst geologists and to hold meetings for readings and discussions of matters relating to geology and their various arts and sciences connected therewith.
3. To regulate and uphold the dignity, standing and reputation of the profession of geology.
4. To promote and advance the knowledge, study and practice of geology and the various arts and sciences connected therewith.
5. To assist, advise and cooperate with government departments and other private or public bodies in an honorary capacity on questions relating to the science of geology and policy in respect of land and earth resource utilisation and all other matters connected therewith.

IGM COUNCIL 2022/23

IGM Council for 2022/2023 as elected at the 31st Annual General Meeting on 10 June 2022 are as follow:

President

P.Geol. Gs. Abd. Rasid Jaapar F.I.G.M., FGS, MIGRSM

Vice-President

P.Geol. Dr. Abdullah Sulaiman F.I.G.M.

Secretary

P.Geol. Gs. Wan Md. Nizam Wan Isa F.I.G.M., MIGRSM

Treasurer

P.Geol. Ahmad Nizam Hasan F.I.G.M.

Council Members (2 years)

P.Geol. Abdul Rahim Harun M.I.G.M

P.Geol. Dr. Zuhar Zahir Tuan Harith M.I.G.M

P.Geol. Tuan Rusli Tuan Mohamed M.I.G.M

Y.M Raja Abdul Halim Raja Muda M.I.G.M

Council Members (1 year)

P.Geol. Dr. Ahmad Farid Abu Bakar M.I.G.M.

P.Geol. Sanatul Salwa Hassan M.I.G.M.

P.Geol. Dr. Rohayu Che Omar M.I.G.M.

P.Geol. Yip Foo Weng F.I.G.M (Co-opted)

IGM CHAPTER, TECHNICAL COMMITTEE & WORKING COMMITTEE

The Council of Institute of Geology Malaysia (IGM) for 2022/2023 at the 1st Council Meeting held on 15th July 2022, has decided on the appointment of Chairs for IGM Chapters, Technical Committee and Working Committee in accordance with Article VI, Clause 15 of IGM Constitution as follow:

IGM CHAPTER

IGM Sabah Chapter

*Chairperson: P.Geol. Alexander Yan Sze Wah
F.I.G.M.*

IGM Sarawak Chapter

*Chairperson: P.Geol. Dr. Richard Mani Banda
F.I.G.M.*

TECHNICAL COMMITTEE

Technical Committee on Mineral Resources,
Mining & Quarrying

Chairperson: P.Geol. Yip Foo Weng F.I.G.M.

Technical Committee on Hydrogeology
& Groundwater Resources

*Chairperson: P.Geol. Nizarulikram Ab. Rahim
F.I.G.M.*

Technical Committee on Environmental
& Engineering Geology

*Chairperson: Y.M. Raja Abdul Halim Raja Muda,
M.I.G.M*

Technical Committee on Geophysics

*Chairperson: P.Geol. Dr. Zuhar Zahir Tuan Harith,
M.I.G.M.*

Technical Committee on Coastal and Marine
Geology

*Chairperson: P.Geol. Dr Nor Bakhiah Baharim
M.I.G.M*

Technical Committee on Petroleum Geology

*Chairperson: P.Geol. Sanatul Salwa Hasan
M.I.G.M.*

Technical Committee on Disaster Risk Reduction

*Chairperson: Dr. Khamarrul Azahari Bin Razak
M.I.G.M.*

Technical Committee on GIS & Geotechnology

*Chairperson: P.Geol. Dr. Rohayu Che Omar
M.I.G.M.*

Technical Committee on Geoheritage &
Geotourism

Chairperson: P.Geol. Dr Tanot Unjah M.I.G.M.

WORKING COMMITTEE

Working Committee on Promotion and Out-
reach

*Chairperson: P.Geol. Gs. Abd. Rasid Jaapar
F.I.G.M., FGS, MIGRSM*

Working Committee on Membership

*Chairperson: P.Geol. Dr. Abdullah Sulaiman,
F.I.G.M.*

Working Committee on Website & Admin

*Chairperson: P.Geol. Gs. Wan Md. Nizam Wan
Isa F.I.G.M., MIGRSM*

Working Committee on Finance

*Chairperson: P.Geol. Ahmad Nizam Hasan
F.I.G.M.*

Working Committee on Continuous Profession-
al Development (CPD) Coordination

*Chairperson: P.Geol. Abdul Rahim Harun
M.I.G.M*

Working Committee on Early Career Geologists

*Chairperson: Mohamad Faruq Syahmi Md Ari-
pin M.I.G.M.*

Working Committee on Women in Geology

Chairperson: Dr. Siti Sarah Ab Rahman M.I.G.M.

Working Committee on Publications

*Chairperson: P.Geol. Dr. Ahmad Farid Bin Abu
Bakar M.I.G.M.*

Working Committee for Geological Manual

*Chairperson: P.Geol. Tuan Rusli Tuan Mohamed
M.I.G.M*

IGM-GSM JOINT COMMITTEE

Climate Change Adaptation -

P.Geol. Prof Joy J Pereira F.I.G.M

Geoscience Education -

P.Geol. Dr. Ahmad Farid Bin Abu Bakar M.I.G.M.

IGM SECRETARIAT

Madam Sarah Farhanah Binti Borhanudin

All members who want to contribute through any Chapters, Technical Committees or Working Committee, please contact the respective chairperson.

PRESIDENT'S MESSAGE



P.Geol. Gs. ABD RASID JAAPAR
IGM PRESIDENT

Assalamualaikum wbt.

Happy New Year 2023. Wishing all IGM members for successful and prosperous year 2023.

On behalf of IGM leadership and council, I would like to express my condolences to the victims and their family in related to Batang Kali landslide tragedy.

IGM has started an initiative in promoting geology to government agencies as well as to public. For 2023, Geoscience Week will be organized in Sarawak by IGM Sarawak Branch between 8 and 14 May 2023. IGM together with other geological related organization may organize Annual Geologists' Nite for this year 2023.

Trust there will be bright years ahead for geologists for year 2023.

Thank you.

P.Geol. Gs. ABD RASID BIN JAAPAR F.I.G.M. FGS MIGRSM
President 2022/23

EDITOR'S MESSAGE



P.Geol. Dr. AHMAD FARID ABU BAKAR
IGM NEWS EDITOR

Assalamualaikum wbt.

All praises for Allah SWT. All blessings and salutations upon our beloved Prophet Muhammad SAW and his family and companions. I hope this newsletter finds you well!

IGM NEWS responsible for disseminating information and recent news related to IGM activities as well as IGM response toward certain issues in our nation. Our publication team always aware our responsibility to share and disseminate trustworthy information for the IGM members respectively.

IGM NEWS strongly supports IGM initiatives on outreach and promotion programs to relevant federal and state government agencies as well as the Malaysian public. Hence, IGM NEWS will promote IGM activities and documenting the activities for IGM members.

Thank You

P.Geol. Dr. AHMAD FARID BIN ABU BAKAR M.I.G.M.

Chairperson

Working Committee on Publications

Dear members of IGM,

In Malaysia, Geologist is a Professional and governed by the Geologist Act (Act 689, 2008) together with Code of Professional Conduct.

Under the Code of Professional Conduct clearly stated the following:

A. Professional Ethics

A Geologist shall act towards other professionals with courtesy and good faith, and shall not intentionally injure the reputation or business of another professional.

B. Duties to the public and environment

1. A Geologist shall only issue or make public statements that are truthful and factual based on scientific evidence and technical opinions that are founded upon his or her competence and knowledge of the facts in the subject matter.
2. A Geologist shall not make statements that may mislead or deceive members of the public or any public body or cause harm to the public.

Therefore, Institute of Geology Malaysia (IGM) as professional organization would like to remind all members to adhere to the above Code of Professional Conduct.

All members need to be more responsible professionally in giving press statements or opinion on matter related to public and professional interests including the recent Batang Kali Landslide incident.

Thank you.

P.Geol. Gs. ABD RASID JAAPAR F.I.G.M., FGS, MIGRSM

President 2022/23.

BATANG KALI LANDSLIDE : A NATIONAL TRAGEDY

A massive landslide has occurred at Father's Organic Farm campsite near Gohtong Jaya in Batang Kali, Pahang on Dec 16 2022. This landslide is the 23rd landslide reported nationwide in 2022 and can be considered as the worst ever tragedy in that particular year. According to the Special Malaysia Disaster Assistance and Rescue Team (SMART) , the Batang Kali landslide is the Malaysia's second worst disaster in terms of fatalities, after the Highland Towers condominium collapse in 1993 which claimed 48 lives. Thirty-one people were killed in the 2.30am incident but 61 survived after tonnes of earth came crashing down on the farm campsite. It is estimated that the failed embankment slope was about 70m tall, and that the landslide affected a stretch that was about 500m long.

Geologists believed that the disaster may have stemmed from delayed earthfall borne of overly wet soil. Preliminary assumption from Mr Abd Rasid Jaapar, indicates that the landslide happened in Father's Organic Farm campsite can be called as 'delayed deep-seated landslide' or rather slope failure. Heavy rain that took place a few days earlier slowly dissipate into the ground and flow underground. "That's why the failure only occurred after few days of rainfall," told Mr Rasid. "All hillside have potential for disaster to occur but not all hillslope is dangerous and not all hillslope pose risk to any activities or development at foot slope," added Rasid. According to the Minerals and Geoscience Department (JMG) director-general, Hisamuddin Termidi, the slope in the landslide tragedy is not listed as a critical slope under the JMG's monitoring. He added that JMG's critical slope monitoring scope is focused on settlement areas and natural slopes, and does not overlap with other stakeholders .



The landslide triggered a caution to the tourist attraction area that prone to the geohazard nationwide. One of the suggestion that the authority need to make sure the private campsites or other tourist attraction provider to undergo stringent inspection and evaluation if it is located near areas that were prone to landslides or other hazard. These area need to be inspected the local council and certified by a Professional Geologist for their safety against landslide hazard and others. This tragedy is a lesson to be learnt and should be avoided by effective safety procedure implementation. Institute of Geology Malaysia president Mr. Abd Rasid Jaafar suggested that the camping or glamping sites should be registered with the relevant authorities to ensure a safe experience for visitors. This would ensure the authorities could monitor activities in the area while also making sure that the site was in a safe location.

To date, Malaysia has a history of fatal landslides. In 1993, 48 people were killed when the Highland Towers apartment block collapsed in a landslide in Selangor. In 1995, 20 people were killed when a landslide sent vehicles into a ravine. And in 1996, 44 people were killed after a mudflow struck their rural village.

BOG, IGM & MyGEO ON-SITE VISIT TO BATANG KALI LANDSLIDE

Representatives from BOG, IGM & myGEO have conducted a site visit to Batang Kali landslide tragedy on 22nd of December 2022. This visit purposely to have a direct on-site observation about the tragedy happened and in the same time capturing an in-sight perspective about the terrible tragedy.



XVII GEOSEA CONGRESS 2022

The 17th Regional Geoscience Congress of Southeast Asia 2022 (GEOSEA XVII), in conjunction with the 34th National Geoscience Conference (NGC) and SERIES 2022, concluded on October 20, 2022. The congress was a success in terms of providing a platform for distinguished academics, researchers from the government and industrial sectors, as well as postgraduate students, to exchange ideas and present the state of research and development in their field. More than 90 scientific papers have been presented in oral sessions, while 30 posters have been displayed in two special sessions. Many exciting activities, such as booth exhibitions and field excursions in Langkawi, have been organized and attended by the participants.

Congratulations to all who make this event happened!

Thanks to the hardworking committee members!

'Advance Geoscience, Advance ASEAN'





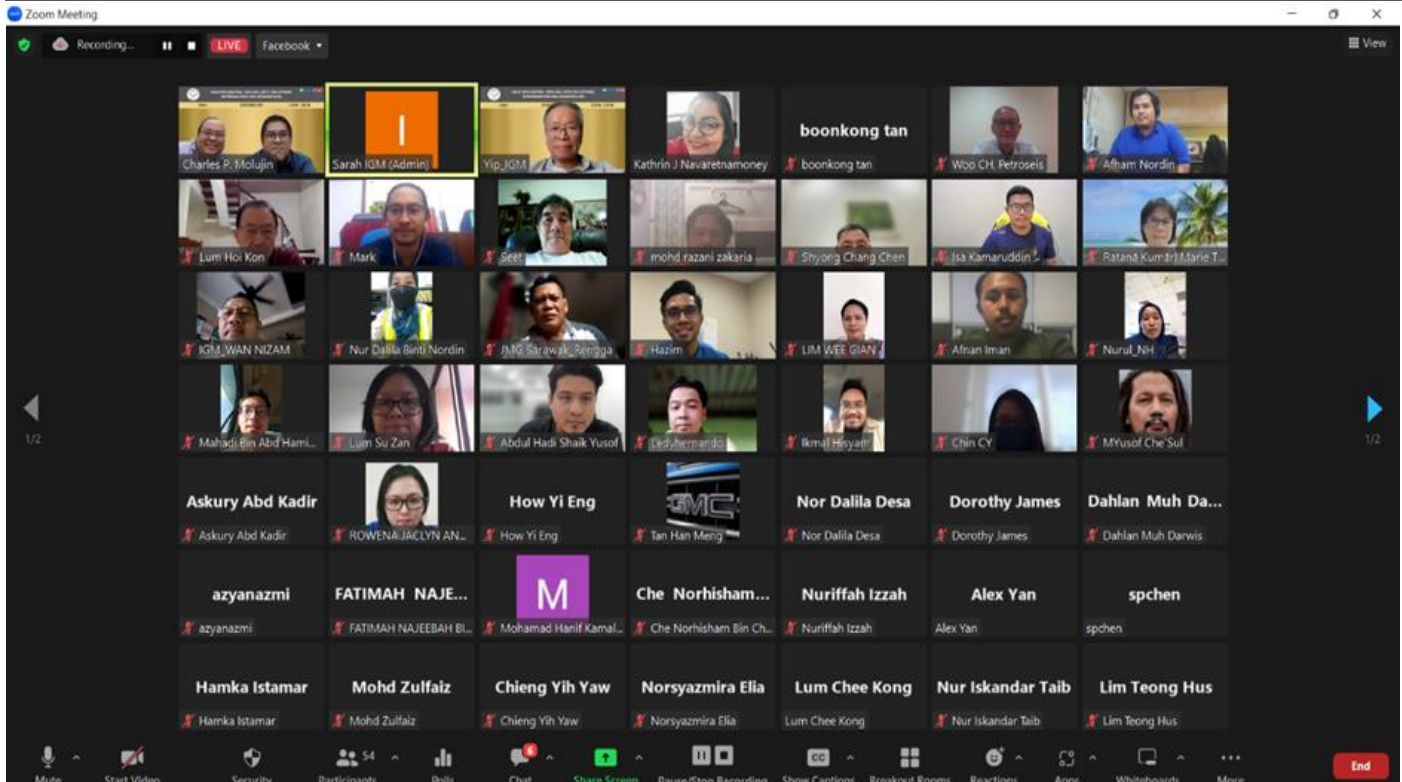
ACTIVITY CONDUCTED BY IGM (OCTOBER – DECEMBER 2022)

NO	DATE	TITLE / TOPICS	SPEAKERS	NO. OF PARTICIPANTS & PLATFORM	COMMENTS FROM PARTICIPANTS
1	19 December 2022	Visit to Hospital Kuala Lumpur MRT Station	-	13 participants	Good exposure and knowledge
2	30 December 2022	Gold Exploration: Drilling, Data Collections, Interrogations and Geomodelling	P.Geol. Mr. Nathan Achuk P.Geol. Mr. Charles P. Molujin P.Geol. Mr. Yip Foo Weng	99 participants Platform: Zoom	More event like this needed

IGM COLLABORATED TECHNICAL TALK (OCTOBER – DECEMBER 2022)

NO	DATE	TITLE / TOPICS	SPEAKERS
1	16 November 2022	Geological Assessment on Rock Slope and Limestone Hill (GSM)	P.Geol. Philip Tiong Chong Ngu
2	14 December 2022	Perkembangan Potensi Pembangunan Sumber Nadir Bumi dan Peluang Pekerjaan di Malaysia (UKM)	Dato' Sia Hok Kiang Encik Abdul Hadi bin Abdul Rahman (JMG)
3	14 December 2022	Advances in Geophysics Webinar - Series 04: UKM Geophysics: Past, Present and Future (GSM)	Associate Professor Ts. Dr Mohd Hariri Arifin
4	21 December 2022	Ground Evaluation & Earthworks Design for Train Depot in Hilly Area	Mr. Vigneshwaran Karunanidee Pn. Nur Amanina Mazlan
5	22 December 2022	Geoscience for Building Disaster Resilience (SEADPRI Forum with GSM and IGM)	P.Geol. Professor Joy Jacqueline Pereira P.Geol. Dr. Lim Choun Sian, P.Geol. Mr. Ahmad Nizam bin Hasan P.Geol. Mr. Abd Rasid Jaapar P.Geol. Ms. Azianti Asmari

Gold Exploration - Drilling, Data Collections, Interrogations and Geomodelling



TOPIC 1

Speaker: Mr. Nathan Achuk

Drilling in Gold Exploration - Best Practices

A drilling program is the most expensive and critical stage of gold exploration often in the last phase. Drilling results will impact on the exploration relating to making a commercial decision. The responsibility to design and execute a drilling program is assumed by the project geologist. It entails, firstly, making decision on targets, drillhole orientations and depths, and then selection of a suitable drilling method. Monitoring QAQC protocols, addressing environmental concerns, ensuring safety and health, enforcing standard operating procedures and proper sampling are the prerequisites. All these activities are often under budgetary constraints and thus, best practices apply.

TOPIC 2

Speaker: Mr. Charles P. Molujin

Drilling in Gold Exploration-Data Collections, Interrogations and Geomodelling

Exploration drilling is always the riskiest phase in the gold mining business. It can derail a project or make a project. The post drilling activities are critical to ensure the integrity of data and interpretations are made based on accurate information making the data gathering process post drilling a very critical stage. Key activities are QAQC sampling protocol and submission, core logging, drilling database management, interpreting, and evaluating drilling data assays results. All these details will then use to synthesize resource-reserve modelling and calculation, as well as for mine operation support.



FUTURE SEMINAR & WEBINAR (JANUARY-MARCH 2023)

NO	MONTH	PROPOSED DATE	TOPICS / THEMES	SPEAKERS / INSTRUCTORS
1	JANUARY	6 January 2023	Webinar: Magnetic Survey for Mineral Deposits - Drone (UAV) vs Ground	P.Geol. Woo Chaw Hong P.Geol. Jamaludin Bin Othman P.Geol. Yip Foo Weng (Moderator)
2	JANUARY	25 January 2023	MAGICO Webinar Series January (Join organized with MARE)	Dr, Effi Helmy Dr. Felix Gross
3	MARCH	TBC	Virtual Forum Women/Youth	TBC
4	MARCH	14-15 March 2023	Sequence Biostratigraphy Workshop	Dr Robert J Morley

TBC: To Be Confirmed

CPD WEBINAR & SEMINAR APPROVED BY BOG (2022)

NO	PROGRAM NAME	DATE	CONDUCTED BY	CREDIT POINT
1	Workshop on Geological Terrain Mapping	22 - 24 February 2022	IGM	3
2	Seminar On Coastal and Marine Geology: Deep Seabed Mining: Perspectives from A Developing Nation	9 March 2022	IGM	2
3	Virtual Earth Day & Geologist Day Celebration	21 April 2022	IGM, BOG	1
4	Survival Skills & Safety Course	10 - 11 June 2022	IGM	3
5	Geology of Malaysia Bootcamp	24 - 25 June 2022	IGM	3
6	Geoheritage and Geopark Virtual Forum (Geohazard as a Geosite in Geopark: Case of Asia Pacific)	30 June 2022	IGM	1
7	Field Trip: Miocene Carbonate Subis Limestone, Niah, Sarawak	15 July 2022	IGM	3
8	Exposure on Debris Flow Disaster in Bentong, Pahang	26 - 27 July 2022	IGM	3
9	Rockfall Assessment and Mitigation: Some Case Studies from Southeast Asia	19 September 2022	IGM	1
10	Malaysian Tin Placer Industry Rejuvenation & Optimising Placer Mineral Resource and Ore Reserve	30 September 2022	IGM	1
11	Forum Terbuka - Fahami Bencana Geologi Berangkai: Banjir Puing bukan Banjir Biasa	12 August 2022	IGM	1
12	Geoheritage and Geopark Virtual Forum (Geotourism: Practices and Approaches in the Asia Pacific Region)	24 November 2022	IGM	1
13	Visit to Hospital Kuala Lumpur MRT Station	19 December 2022	IGM	TBC
14	Webinar: Gold Exploration - Drilling, Data Collections, Interrogations and Geomodelling	30 December 2022	IGM	TBC

TBC: To Be Confirmed

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Email this form and your advertisement in editable format to Working Committee on Publications, Institute of Geology Malaysia (email: secretary@igm.org.my)



BECOME A MEMBER TODAY!

IGM has five classes of membership and they are Fellows, Members, Licentiates, Associates and Graduate Members. Fellows, Members and Licentiates are corporate members of IGM. Members of IGM are elected or transferred to various classes of membership based on their qualification and experience as specified by the Council. Fellows, Members and Licentiates shall be Corporate Members of the Institute. Corporate Members of the Institute shall use the abbreviations corresponding to the respective class of membership as follows :

Fellow F.I.G.M

Member M.I.G.M

Licentiate L.I.G.M.

WE WELCOME ASSOCIATE MEMBERS!

Associate Members of IGM shall be a person who has a diploma or degree in any professional discipline other than geology. He or she has demonstrated a keen interest in geology and has worked in projects or areas which required input by geologists. An Associate Member have full benefit except to vote and holding office in the council of IGM.

For the full list of benefits and membership rates, please visit :
www.igm.org.my

**THE
INSTITUTE OF GEOLOGY
MALAYSIA**





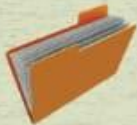
FLOWCHART: APPLICATION FOR MEMBERSHIP (GRADUATE/MEMBER/ASSOCIATE/LICENTIATES)



APPLICANT TO:
 DOWNLOAD APPLICATION FORM FROM IGM WEBSITE
www.igm.org.my
 FILL THE APPLICATION FORM

FEE : RM70 / RM90
 (Entrance + Class Fee)

Entrance : RM50.00
 Graduate : RM20.00
 Member : RM40.00
 Licentiates : RM40.00
 Associate : RM40.00



1) SUBMIT THE APPLICATION FORM TOGETHER WITH RELEVANT DOCUMENTS
 VIA EMAIL: secretary@igm.org.my
 2) SUBMIT RECEIPT OF PAYMENT VIA WEBSITE AT www.igm.org.my
 "DEPOSIT NOTIFICATION FORM"

SECRETARIAT TO COMPILE AND CHECK

Not complete

RE-APPLICATION

Complete

SUBMISSION TO IGM MEMBERSHIP COMMITTEE



Notify to applicant

DECISION BY THE COUNCIL

Accepted on condition

Approved

TREASURER:
 1. CONFIRM THE PAYMENT
 2. ISSUE THE RECEIPT

Not complete

Complete

WEBMASTER ANNOUNCED LIST OF NEW MEMBERS IN WEBSITE



SECRETARIAT NOTIFY THE NEW APPLICANT VIA EMAIL
 (NOTIFICATION EMAIL)

*Please refer to "New Member Action" below.



Notes:

Member can apply for membership e-card via email at secretary@igm.org.my or request via website at www.igm.org.my (annually renew)

COMPLETE REGISTRATION
 INSTITUTE OF GEOLOGY MALAYSIA

Constitution of The Institute of Geology Malaysia

NEW MEMBER ACTION:

1. After received registration notification, member can register to website at www.igm.org.my -> my account -> Don't have an account
2. Upon website registration, you will received a verification email. Please verify the email.



Message

Your account has been created and a verification link has been sent to the email address you entered. Note that you must verify the account by selecting the verification link when you get the email and then an administrator will activate your account before you can login.

Message

Your email address has been verified. Once an administrator approves your account you will be notified by email and you can login to the site.

3. Once notified, you can login to website for any information provided.



MyGeo

**COMING
SOON**



**GEOSCIENCE
WEEK 2023**

KUCHING, SARAWAK

20 – 26 FEBRUARY 2023

**FORUM WITH STAKEHOLDERS &
GOVERNMENT AGENCIES**

**SEMINAR ON GEOLOGY OF
SARAWAK**

GEOLOGICAL EXCURSION

CARBONATE FIELDTRIP



14TH ASIAN REGIONAL CONFERENCE OF IAEG

KOTA KINABALU, MALAYSIA

26 FEB - 3 MAR 2024

**Coming
Soon**

Engineering Geology Role in Disaster Risk Management

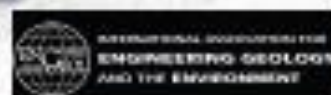
FIRST ANNOUNCEMENT

Sub - Theme

- Site Characterisation/Lab Testing and Problematic Grounds
- Geohazards (Landslides, Earthquakes, etc.)
- Engineering Geology in Wet Tropical Terrains
- Tunnelling for Infrastructures and Underground Facilities
- Marine Engineering Geology for Offshore Field Developments (Offshore Geohazards)
- New Technology in Engineering Geology (Renewable Energy)

Proposed Activities

- Oral & Poster Presentation
- Workshop & Short Courses
- YEG Activity
- IAEG Asian Country Meeting
- Field Excursion





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Views expressed in this publication are not necessarily those officially representing the Institute of Geology Malaysia except where expressly stated.

INSTITUTE OF GEOLOGY MALAYSIA

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