


# TENTATIVE



# NGC 2019



***“Geosciences  
for the Earth  
Sustainability”***

**NATIONAL GEOSCIENCE  
CONFERENCE 2019  
(NGC 2019)**

1<sup>st</sup> – 3<sup>rd</sup> October 2019  
The Palace Hotel,  
Kota Kinabalu, Sabah

Jointly organised by:



**UMS**  
UNIVERSITI MALAYSIA SABAH





## PROGRAM TENTATIVE

### WORKSHOP SCHEDULE

#### WORKSHOP 1

30 <sup>th</sup> September 2019 (Monday) - Ballroom	
Workshop on Importance of Geosciences on Sustainable Development <i>Session Chair: Assoc. Prof. Dr. Rodeano Roslee, PGeol.</i>	
08:00 – 08:30	Registration
08:30 – 08:45	Welcoming speech
08:45 – 09:15	Invited Speaker 1: <b>Geologists Act – How It Will Affect Us</b> YBhg. Dato' Yunus Bin Abdul Razak, PGeol. (Presiden Lembaga Geologi Malaysia)(BOG)
09:15 – 09:45	Invited Speaker 2: <b>'Why Does Geology Matter for Sustainable Development? And the Roles of Learned and Professional Organisations'</b> Mr. Abd. Rasid Jaapar, PGeol. (Presiden Persatuan Geologi Malaysia)(GSM)
09:45 – 10:15	Invited Speaker 3: <b>JMG Role in Sustainable Development and People Well-Being: Sabah Context</b> Dr. Frederick Francis Tating (Department of Mineral and Geoscience Sabah)
10:15 – 10:30	<b>Q&amp;A Session</b>
10:30 – 11:00	Tea/Coffee Break
11:00 – 11:30	Invited Speaker 4: <b>Geoscience and the Changing Climate</b> Prof. Dr. Joy Jacqueline Pereira (Universiti Kebangsaan Malaysia)
11:30 – 12:00	Invited Speaker 5: <b>Natural Hazards in Malaysia – Why Geologists are Needed</b> Prof. Dr. Felix Tongkul (Universiti Malaysia Sabah)
12:00 – 12:30	Invited Speaker 6: <b>Geoscience Inputs for the Proposed Guideline on Vulnerability Assessment and Risk Index for Critical Infrastructures</b> YBhg. Dato' Zakaria Mohamad, PGeol. (Presiden Institut Geologi Malaysia)(IGM)
12:30 – 12:45	<b>Q&amp;A Session</b>
12:45 – 14:00	Lunch
14:00 – 15:30	Discussion Session <b>Moderator: YBhg. Dato' Zakaria Mohamad, Mr. Abd. Rasid Jaapar and Dr. Frederick Francis Tating</b>
15:30 – 16:00	Tea/Coffee Break
16:00 – 16:30	Conclusion





## WORKSHOP 2

**1<sup>st</sup> October 2019 (Tuesday) – Conference Room 1**

**Workshop on Disaster Risk Reduction (DRR)**

**Session Chair: Prof. Dr. Joy Jacqueline Pereira**

14:00 – 14:15	<b>Enhancing Resilience to Geohazards through Communication: Key Principles and Approaches</b> Dr. Alan Thompson (Cuesta Consulting Limited, United Kingdom)
14:15 – 14:30	<b>Earth Observation and Geospatial Technology</b> Dr. Khamarrul Azahari Razak (Universiti Teknologi Malaysia)
14:30 – 14:45	<b>Debris Flow and Sediment-Related Disaster in Malaysia: A Perspective within DRR Framework</b> YBhg. Dato' Zakaria Mohamad, PGeol. (Presiden Institut Geologi Malaysia)(IGM)
14:45 – 15:00	<b>Q&amp;A Session</b>
15:00 – 15:15	Tea/Coffee Break and Poster Presentation
15:15 – 15:30	<b>Disaster Risk Resilient: Reflecting on Some Landslide Disasters in Malaysia</b> Dr. Lim Choun Sian (Universiti Kebangsaan Malaysia)
15:30 – 15:45	<b>The Importance of Geological Input in Geohazards Risk Reduction</b> Dr. Frederick Francis Tating (Department of Mineral and Geoscience Sabah)
15:45 – 16:00	<b>Pengecaman Geobahaya Tanah Runtuh Pendam di Tanah Tinggi Tropika: Beberapa Contoh dari Cameron Highland dan Kundasang Malaysia</b> Assoc. Prof. Dr. Tajul Anuar Jamaluddin (Universiti Kebangsaan Malaysia)
16:00 – 16:15	<b>Greening the Slope: Public Works Department of Malaysia (JKR) Experience towards Sustainable Development</b> Nicholas Jacob (Department of Mineral and Geoscience Selangor)
16:15 – 16:30	<b>Q&amp;A Session</b>
16:30 – 16:45	<b>Disaster Resilient Cities: Forecasting Multi-hazards for Kuala Lumpur</b> Dr. Nurfashareena Mohamad (Universiti Kebangsaan Malaysia)
16:45 – 17:00	<b>Landslide Susceptibility Analysis of Kuala Lumpur</b> Elanni Md Affandi (Universiti Kebangsaan Malaysia)
17:00 – 17:15	<b>Application of Multiple Geoscience Approach in Geohazards Assessment of Problematic Urban Highway Section in Kuala Lumpur</b> Abd Rasid Jaapar (President of Geological Society of Malaysia)
17:15 – 17:30	<b>Tsunami Induced Deposit in Semantan Formation around Jerantut Pahang: A New Perspective</b> Askury Abdul Kadir (Geological Society of Malaysia)
17:30 – 18:00	<b>Q&amp;A Session</b> Discussion / Conclusion



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## CONFERENCE SCHEDULE

30 <sup>th</sup> September 2019 (Monday): PRE REGISTRATION	
Time : 14:30 – 16:30	
Venue : The Palace Hotel (Level 6)	
1 <sup>st</sup> October 2019 (Tuesday)	
08:00 – 09:00	Registration
09:00 – 09:30	Opening Ceremony (Ballroom)
<i>Session Chair: Mdm. Melissa Sharmah Gilbert</i>	
09:30 – 10:00	Keynote Speech 1: (Ballroom) <b>Tsunami Hazard in Sabah – Way Forward</b> Prof. Dr. Felix Tongkul (Universiti Malaysia Sabah)
10:00 – 10:30	Tea/Coffee Break and Poster Presentation
<i>Session Chair: Mdm. Melissa Sharmah Gilbert</i>	
10:30 – 11:00	Keynote Speech 2: (Ballroom) <b>Geoscience for Building Disaster Resilience</b> Prof. Dr. Joy Jacqueline Pereira (Universiti Kebangsaan Malaysia)
11:00 – 12:00	Parallel Sessions
12:00 – 14:00	Lunch
14:00 – 15:00	Parallel Sessions
15:00 – 15:30	Tea/Coffee Break and Poster Presentation
15:30 – 18:00	Parallel Sessions
19:00	Welcoming Dinner (Ballroom)
2 <sup>nd</sup> October 2019 (Wednesday)	
<i>Session Chair: Mdm. Melissa Sharmah Gilbert</i>	
09:00 – 09:20	Keynote Speech 1: (Ballroom) <b>Conservation Geology: From Knowledge to Society</b> YBhg. Prof. Emeritus Dato' Dr. Ibrahim Komoo (Universiti Kebangsaan Malaysia)
09:20 – 09:40	Keynote Speech 2: (Ballroom) <b>Nickel Mining and Its Environmental Impact</b> Prof. Dr. Muhammad Nurdin (Universitas Halu Oleo)
09:40 – 10:00	Tea/Coffee Break and Poster Presentation
10:00 – 12:30	Parallel sessions
12:30 – 14:00	Lunch
14:00 – 15:00	Parallel Sessions
15:00 – 15:30	Tea/Coffee Break and Poster Presentation
15:30 – 17:00	Parallel Sessions
17:00 – 17:30	Closing ceremony (Ballroom)





## PARALLEL SESSIONS

### ALL SESSIONS

1 <sup>st</sup> October 2019 (Tuesday)			
SESSION	CATEGORY	TIME	VENUE
1A	Hydrogeology, Environmental Geology & Geochemistry	11:00–12:00	Ballroom
1B	Applied Techniques in Geoscience	11:00–12:00	Conference Room 3
1C	Disaster Risk Reduction, Engineering Geology & Rock Mechanics	11:00–12:00	Conference Room 4
2A	Applied Techniques in Geoscience	14:00–15:00	Conference Room 3
2B	Petroleum Geology, Sedimentology & Paleontology	14:00–15:00	Conference Room 4
3A	Hydrogeology, Environmental Geology & Geochemistry	15:30–18:00	Conference Room 3
3B	Petroleum Geology, Sedimentology & Paleontology	15:30–18:00	Conference Room 4
2 <sup>nd</sup> October 2019 (Wednesday)			
4A	<ul style="list-style-type: none"> <li>• Tectonic &amp; Structural Geology</li> <li>• Mining &amp; Quarry</li> <li>• Applied Techniques in Geoscience</li> </ul>	10:00–12:30	Ballroom
4B	Disaster Risk Reduction, Engineering Geology & Rock Mechanics	10:00–12:30	Conference Room 3
4C	<ul style="list-style-type: none"> <li>• Petroleum Geology, Sedimentology &amp; Paleontology</li> <li>• Conservation Geology, Geoarchaeology, &amp; Geotourism</li> </ul>	10:00–12:30	Conference Room 4
5A	Applied Techniques in Geoscience	14:00–15:00	Ballroom
5B	Hydrogeology, Environmental Geology & Geochemistry	14:00–15:00	Conference Room 3
5C	Petroleum Geology, Sedimentology & Paleontology	14:00–15:00	Conference Room 4
6A	Applied Techniques in Geoscience	15:30–17:00	Ballroom
6B	Hydrogeology, Environmental Geology & Geochemistry	15:30–17:00	Conference Room 3
6C	<ul style="list-style-type: none"> <li>• Petroleum Geology, Sedimentology &amp; Paleontology</li> <li>• Hydrogeology, Environmental Geology &amp; Geochemistry</li> </ul>	15:30–17:00	Conference Room 4







### NGC2019 SESSION 1A

Time	ID	Paper Title	Presenter
11:00–11:15	A070	Combined of In Tank Aeration and Ozonation Groundwater Treatment System In Kg Melai, Tasik Chini, Pekan, Pahang	Ismail Tawnie
11:15–11:30	A072	Groundwater Quality Assessment In Small Island Aquifer, Mabul Island, Sabah	Azrul Normi Idris
11:30–11:45	A073	Using The Down The Borehole Camera Technology For Groundwater Inspection In Selangor, Malaysia	Mohd Khairul Nizar Shamsuddin
11:45–12:00	A097	Groundwater Hydrogeochemistry Assessment In Langat River Basin, Malaysia	Anuar Sefie

### NGC2019 SESSION 1B

Time	ID	Paper Title	Presenter
11:00–11:15	A050	Geothermal Studies In Clay Dominated Area Using 2-D Resistivity Imaging Method	Nuraisyah Samsudin
11:15–11:30	A009	Crustal Modelling Along The Port Dickson –Kuala Rompin Transect	Previna Arumugam
11:30–11:45	A014	Geothermal Exploration Using 2d Resistivity Imaging and Geomagnetic Method In North Sumatera, Indonesia	Muhammad Kadri
11:45–12:00	A060	The Application of The Persistent Scatterer (PS) and Small Baseline (SBAS) Interferometry Techniques To Detect Surface Deformation In Penang Island With Palsar Data	Kazeem Rauff

### NGC2019 SESSION 1C

Time	ID	Paper Title	Presenter
11:00–11:15	A068	Historical Earthquake Catalogue Data For Seismic Hazard Assessments In Peninsular Malaysia	Meldi Suhatri
11:15–11:30	A069	Case Studies and Record For Induced Ground Deformation Caused By Retaining Wall Installation	Frankie Cheah
11:30–11:45	A081	Spatial Statistical Analysis of Earthquakes In Sabah, Malaysia	Mohamad Bin Abd Manap
11:45–12:00	A108	Integration of GIS-Based MUSLE Model For Flood Disaster Assessment in Kota Belud Area, Sabah, Malaysia	Rodeano Roslee

### NGC2019 SESSION 2A

Time	ID	Paper Title	Presenter
14:00–14:15	A071	Calibration of In-Situ Pressuremeter Test Using Numerical Simulation: A Case Study Of Kenny Hill Formation	Mohd Faiz Mohammad Zaki
14:15–14:30	A074	Enhancement of Peat Soil Properties By Applying Electrokinetic Stabilization (EKS) Method At Parit Parit Kuari, Johor, West Malaysia	Abdul Wahab
14:30–14:45	A083	Development of A 3D Geological Model For Kuala Lumpur (3DKL)	Qalam Rosle
14:45–15:00	A079	Hybrid Approach for Enhanced Seismic Imaging using Inversion and Imaging in Malaysian Carbonate	Yasir Bashir





### NGC2019 SESSION 2B

Time	ID	Paper Title	Presenter
14:00–14:15	A033	Lithofacies of The Jurassic-Cretaceous Continental Deposit Along Jerantut-Maran Road In Jerantut, Central Pahang	Azyan Syahira Azmi
14:15–14:30	A052	Petrographic & Petrophysical Properties of Turbidite Sandstones of West Crocker Formation, Sabah	Nurul Syahidatul Balqis Haidzir
14:30–14:45	A022	Facies Analysis of The Pedawan Formation In Kota Padawan - Siburan Area, Kuching, Sarawak	Nur Marina Samsudin
14:45–15:00	A124	The Continental Shelf Beyond 200 Nautical Miles: Overview of Exploration And Exploitation of Its Natural Resources	Mazlan Madon

### NGC2019 SESSION 3A

Time	ID	Paper Title	Presenter
15:30–15:45	A135	Characterization and Potential Industrial Application of Gypsum Rich Waste	Kamar Shah Ariffin
15:45–16:00	A018	Geophysical Survey and Lineament Study For Groundwater Exploration At Pulau Mengalum, Sabah	Mohd Hariri Arifin
16:00–16:15	A030	Geochemistry of Granites In Gua Musang	Nor Shahida Shafiee
16:15–16:30	A047	Comparative Evaluation of Microwave Assisted Acid Digestion and Li-Borate Fusion Method For Determination of Rees In Malaysian Monazite Using ICP-MS	Sheikh Abdul Rezan
16:30–16:45	A061	Hydrogeochemical Characteristics of Groundwater In Coastal Zone of Terengganu River Basin	Nor Bakhiah Baharim
16:45–17:00	A065	Zircon U-Pb and Hf Isotope Constraints on The Neogene Semporna Peninsula Volcanic Rocks and Its Tectonic Implications	Elvaene James
17:00–17:15	A076	Carboniferous Ammonoids from the Kubang Pasu Formation, Hutan Aji, Perlis	Meor Hakif Amir Hassan
17:15–17:30	A084	Major And Trace Elemental Analysis of The Belata Black Shales In Peninsular Malaysia	Esther Boateng Owusu
17:30–17:45	A090	Study of Ouw Natural Clay-Tio <sub>2</sub> Composites Synthesis Method For Application To Linear Alkylbenzene Sulfonat Surfactant Degradation Reactions	Catherina Bijang
17:45–18:00	A094	Evaluation of Water Physicochemical Parameters on Acid Mine Drainage Impact Surrounding Tasik Puteri Area, Terengganu	Fatihah Azmi

### NGC2019 SESSION 3B

Time	ID	Paper Title	Presenter
15:30–15:45	A107	Litho- and Biostratigraphy of The 'Black Shale' Facies (Chert Unit) Of The Semanggol Formation At Kampung Kubu Gajah (N Perak, Peninsular Malaysia)	Nurliyana Hamdan
15:45–16:00	A121	Sequence Stratigraphic Interpretation For Delineation of Hydrocarbon Sand In A Shallow Gas-Prone Reservoir, West Baram Delta, Sarawak, Malaysia	Najmuddin Abdul Rahim





16:00–16:15	A008	Lessons From Deep 2d Seismic Over Central Luconia Province, Offshore Sarawak	Siti Nur Fathiyah Jamaludin
16:15–16:30	A010	Multiple-Seismic Attributes Efficiency For Seismic Sequence Stratigraphy Interpretation	Abd Al-Salam Abduh Saeed Almasgari
16:30–16:45	A011	New Insights Into The Sedimentology of The Kenny Hill Formation, Peninsular Malaysia	Thomas J.H. Dodd
16:45–17:00	A015	Deep Marine Paleogene Sedimentary Sequences of West Sabah: Contemporary Opinions and Ambiguities	Muhammad Jamil
17:00–17:15	A021	The Sedimentology And Depositional Environment of The Late Jurassic - Cretaceous Pedawan Formation, Serian Area, West Sarawak	Najiatus Najla Mohamad
17:15–17:30	A096	Evaluating The Stratigraphic Trapping Mechanism In X-Block, Penyu Basin	Nik Nur Anis Amalina Nik Mohd Hassan
17:30–17:45	A105	West Crocker Subdivisions: West Crocker, East Crocker, North Crocker & South Crocker Formations	Nurul Syahidatul Balqis Haidzir
17:45–18:00	A048	Sedimentology of Turbidites-Bearing Pedawan Formation (Jurassic-Cretaceous), Sarawak. Observation From Outcrops In Batu Kawa Area	Syazwan Afiq Shaharuddin

#### NGC2019 SESSION 4A

Time	ID	Paper Title	Presenter
10:00–10:15	A006	Crustal Thickness And Velocity Structure of Kota Kinabalu Region	Abdul Halim Abdul Latiff
10:15–10:30	A012	The Jalan Wangsa Thrust In Eastern Kuala Lumpur; A Marker For A Major Crustal Boundary Between The Leading Edge of The Sibumasu Block and The Sukhothai Arc?	A. Graham Leslie
10:30–10:45	A130	Palaeo-Channel Morphology and Distributions in The Straits of Malacca During The Last Glacial Maximum	Abdullah Sulaiman
10:45–11:00	A026	Seismic Attributes for Faults Interpretation and Geomorphology: Application to N-Field, Malay Basin, Malaysia	Nur Shafiqah Shahman
11:00–11:15	A023	Assessment of Spatial Distribution of Heavy Metal Associated with Mining Activities using Compositional Data Analysis in Sg Koyan, Pahang	Piseth Heng
11:15–11:30	A053	Source Rock Pyrolysis and Thermal Maturity of Tertiary Coals from the Merit-pila Coalfield, Central Sarawak, Malaysia	Nor Syazwani Zainal Abidin
11:30–11:45	A036	Distribution of Minerals From Sungai Terengganu: Upstream Vs Downstream Fluvial Section	Mohamad Shaufi Sokiman
11:45–12:00	A095	Mineral Production and Mining Industry Linkages In The Economy of Malaysia	Mohd Suhaili Ismail
12:00–12:15	A103	A Preliminary Study of Seismic Interpretation In The Offshore Peninsular Malaysia	Noorzamzarina Sulaiman
12:15–12:30	A017	Characterization of Soft Marine Clay Deposits Using Geophysical and Geotechnical Methods	Najmiah Rosli







#### NGC2019 SESSION 4B

Time	ID	Paper Title	Presenter
10:00–10:15	A046	Modified Grout Pressure Method For Predicting Ground Surface Settlement In Kenny Hill Formation	Darvintharen Govindasamy
10:15–10:30	A004	Evaluation of Rock Cut Slope Stability of Sandakan Formation by Modified-Slope Mass Rating (M-SMR) System, Sabah, Malaysia	Ismail Abd Rahim
10:30–10:45	A080	Probabilistic Seismic Hazard Assessment of Balik Pulau Region, Pulau Pinang	Siti Noor Shafiqah Badrolhisham
10:45–11:00	A025	Application of Geohazard-Seismic: Influence of Channel Structure Towards Gas Cloud Distribution At 'B' Field	Norazif Anuar Hasni
11:00–11:15	A045	Correlation Between Uniaxial Compressive Strength, Point Load Test, Young Modulus And Schmidt Hardness For Weathered Limestone	Sharan Kumar Nagendran
11:15–11:30	A064	Land Use/Land Cover Change of Delhi Region Using Remote Sensing and Gis Techniques	Abdul Qadir
11:30–11:45	A106	Correlation for Estimating The Static Young's Modulus of Limestone	Ailie Sofyiana Serasa
11:45–12:00	A077		
12:00–12:15	A001		
12:15–12:30	A002		

#### NGC2019 SESSION 4C

Time	ID	Paper Title	Presenter
10:00–10:15	A127	Analisis Fasies Sekitaran Paralik Formasi Kalumpang Di Pulau Sebatik, Sabah	Muhammad Umar Sarimal
10:15–10:30	A063	Sedimentology and Diagenesis of The Early Miocene Nyalau Formation, Bintulu Area, Sarawak, Malaysia	Noureen Shoukat
10:30–10:45	A089	Sedimentary Facies and Depositional Environment of Late Neogene Deposit; Case Study In Majalengka Sub-Basin, Indonesia	Fasha Nurkalla Kalidasa
10:45–11:00	A035	Facies Characterization and Stable Isotope Application on Ex Field, Central Luconia, Offshore of Sarawak	Nor Shamsimah Ab Rahman
11:00–11:15	A147	Characterization of Lower J Reservoirs, Malay Basin at Field X by Using Well Logs, Petrography, XRD, LPSA and Core Analysis Result	Fadzlin Hasani Bin Kasim
11:15–11:30	A059	Deepwater Sediment Fill In Sabah Trough and Beyond	Satyabrata Nayak
11:30–11:45	A104	Potential Geoheritage Values of Gua Sireh, Baling Kedah	Nursufiah Sulaiman
11:45–12:00	A117	Database And Conservation of Limestone Hills In Malaysia	Thor Seng Liaw
12:00–12:15	A122	Geokarst Education Potential of The Merapoh Caves: Lipis Aspiring Geopark, Malaysia	Norbert Simon
12:15–12:30	A028		





### NGC2019 SESSION 5A

Time	ID	Paper Title	Presenter
14:00–14:15	A091	Diving Wave Tomography: Forward Modelling on Synthetic Data Simulating Shallow Gas Anomaly	Amatul Syafi Abdul Basit
14:15–14:30	A100	Thought-Provoking Observations of The Regional Gravity Fabrics of East Malaysia	Zuhar Tuan Harith
14:30–14:45	A031	The Integration of Seismic Refraction and Multichannel Analysis of Surface Wave (MASW) For Subsurface Characterization	Muhammad Taqiuddin Zakaria
14:45–15:00	A085	Non Stationary Training Images From Modern Carbonate Analogues For Mps Modeling In Central Luconia Province	Grisel Paola Jimenez Soto

### NGC2019 SESSION 5B

Time	ID	Paper Title	Presenter
14:00–14:15	A112	Molecular and Trace Element Geochemistry of The Shales of Patti Formation In The Southern Bida Basin, Nigeria	Mutiu A. Adeleye
14:15–14:30	A114	Estimation of Water Surface Level Using Digital Terrain Model In Data Sparse Environment	Mohd Talha Anees
14:30–14:45	A116	Trace Elements Concentration In Quaternary Shallow Aquifers of Northern Kelantan, Malaysia	Mohammad Muqtada Ali Khan
14:45–15:00	A024	Petrography of Andesite Ignimbrite In Temangan, Kelantan	Nur Shafiqah Shahman

### NGC2019 SESSION 5C

Time	ID	Paper Title	Presenter
14:00–14:15	A057	Facies Analysis of Deep Marine Channel To Lobe Deposits of Maastrichtian Layan Member of The Belaga Formation, Rajang Group, Sarawak	Nisar Ahmed
14:15–14:30	A115	The Idanre Granite Complex, Southwestern Nigeria: A Synopsis And Paradigm of Petrographic And Petrochemical Characterization	Oluwatoyin Akinola
14:30–14:45	A118	Depth Distribution of Optimally Preserved Large Benthic Foraminiferal Tests In The Sublittoral and Uppermost Bathyal Zones Northwest of Okinawa Island, Japan	Wan Nurzalia Wan Saelan
14:45–15:00	A154	Reservoir Properties Prediction using Stochastic Inversion	Qazi Sohail Imran

### NGC2019 SESSION 6A

Time	ID	Paper Title	Presenter
15:30–15:45	A003	3d Resistivity Model Building of Shaly Sand Reservoirs Using New Seismic Attributes	Nur Farhana Salleh
15:45–16:00	A149	Effect of Monsoonal Clustering For PM10 Concentration Prediction In Keningau, Sabah Using Principal Component Analysis	Muhammad Izzuddin Rumaling
16:00–16:15	A040	Extended Discovery of Prehistoric Site at Gua Pelangi Using Ground Penetrating Radar	Nur Azwin Ismail
16:15–16:30	A093	Seismic Forward Modelling: Application of Finite	Amir Mustawim





		Difference Eikonal Solver For Traveltime Computation	Majdi
16:30–16:45	A062	Integration of Resistivity and Gravity Methods For Karstic Void Identification at Gua Serai-Gu	Zaitul Zahira Ghazali
16:45–17:00	A150	Effect of Exposure Time Of Near Infrared Light Radiation (NIR) on Human's Vein Visualization	Floressy Juhim

#### NGC2019 SESSION 6B

Time	ID	Paper Title	Presenter
15:30–15:45	A041	Liberation Studies of Malaysian Monazite Concentrates: Effect of Grinding and Concentration Processes	Sanjith Udayakumar
15:45–16:00	A049	Geochemistry of Volcanic Rock In Pulai, Peninsular Malaysia, Emphasis on Tectonic Implication	Nur Nadwa Syahirah Ai Zamruddin
16:00–16:15	A120	Effects of Rainfalls And Air Temperature on Groundwater Levels In Kedamaian Basin, Kota Belud Sabah	Jaineh Linggi
16:15–16:30	A136	Heavy Metals Content In Ultrabasic Soil and Plant Around Ranau Sport Complex, Sabah, Malaysia	Sahibin Abd Rahim
16:30–16:45	A013	Biogeochemical Behavior Of Nutrients In Soil-Plants From Oil Palm Estate, Tawau, Sabah	Racheal Khai Shyen Lo
16:45–17:00	A078		

#### NGC2019 SESSION 6C

Time	ID	Paper Title	Presenter
15:30–15:45	A054		
15:45–16:00	A027		
16:00–16:15	A099		
16:15–16:30	A123		
16:30–16:45	A087		
16:45–17:00			





## POSTER SESSIONS

1 <sup>st</sup> October 2019 (Tuesday)			
No.	ID	Poster Title	Presenter
1	A005	Kesan Suhu Terhadap Cirian Mekanik Bata Sisa Rawatan Air Mentah dan Abu Terbang	Zulfahmi Ali Rahman
2	A007	Assessment Of Petroleum Source Rock Potential And Paleodepositional Conditions Of The Paleozoic Carbonaceous Shales Of The Kubang Pasu And Timah Tasoh Formations In Central Perlis, Malaysia	Muhammad Nadzmi Abdul Ghofur
3	A016	Spatial Relationship Quantification of Mineralization Factors and Gold Potential Mapping in Kelantan, Malaysia	Mathew Gregory Tagwai
4	A029	Subsurface Investigation For Cocoa Cluster - Ranau Highland Cluster Development Project, Ranau, Sabah	Mohamad Kamal Izzat Najid
5	A032	Closer Look Of The Stratigraphy And Structural Patterns Of The Neogene Basin In The Offshore Of Kudat Peninsula	Siti Nur Fathiyah Jamaludin
6	A034	Subsurface Structures And Minerals Identification Using Electrical Method And Geological Analysis At Bojonegoro District, Indonesia	Nur Farhah Ali
7	A039	Survei Geofizik Menggunakan Kaedah Keberintangan Elektrik Dan Pengutuban Teraruh Bagi Profil Bawah Permukaan Di Loji Rawatan Air Sungai Bilut, Raub, Pahang	Zulaika Farhani Salehudin
8	A042	Kesan Penggunaan Bahan Perapi Tanah Organik Bagi Merawat Tanah Jerlus Di Kawasan Penaman Padi, Alor Senibong, Kedah	Wan Mohd Razi Idris
9	A043	Rock Slope Discontinuity Sets Extraction From Photogrammetric Point Cloud Using Cloud Compare And DSE	Sharan Kumar Nagendran
10	A044	A Study On Influence Of Twin Tunnel Configuration In Kenny Hill Formation Using Numerical Approaches	Darvintharen Govindasamy
11	A058	Prediction Of Unload-Reload Pressuremeter Modulus (EUR) Using Gmdh-Neural Network: A Case Study Of Kenny Hill Formation	Mohd Faiz Mohammad Zaki
12	A082	Geochemistry Of Permo-Triassic Meta-Sedimentary Rocks Of Southern Part Ulu Sokor Gold Mine Deposit, Kelantan, Peninsular Malaysia: Emphasizing On Source Area, Provenance, Recycling And Depositional Tectonic Setting	Ahmad Fauzan Yusoff
13	A102	Application Of Electrical Resistivity Tomography To Identify Suitable Location Of Shallow Tube Well For Irrigation	Muhammad Haniff Ahmad
14	A113	Mapping of Major Fault Structures By Gravity Technique In Peninsular Malaysia	Nurul Fairuz Diyana Bahrudin
15	A125	What Lies Beneath: Deep-Marine Trace Fossils In The West Crocker Formation And Their Palaeoenvironmental Significance	Mazlan Madon
16	A133	Trace Element Fractionation Behaviour of Soil From Benta Alkali Syenite	Siti Nadzirah Nazri
17	A086	Source Rock Evaluation of Deep-Marine Turbidites In The Semanggol And Semantan Formations, Peninsular Malaysia	Zulqarnain Sajid
18	A151	Slow Onset And Emerging Hazards In The Coastal Zone Of Kuala Selangor, Malaysia	Nurul Syazwani Yahaya





2 <sup>nd</sup> October 2019 (Wednesday)			
No.	ID	Poster Title	Presenter
19	A019	Soil Nutrients and Relation to Basal Stem Rot Disease Incidences In Oil Palm Estates With Different Agronomic Practices	Racheal Khai Shyen Lo
20	A075	Basic Friction Angle Value of Planar Surface For The Sandakan Formation, Sabah, Malaysia	Ismail Abd Rahim
21	A109	Flood Susceptibility Analysis Using Geospatial Frequency Ratio In Kota Belud, Sabah	Kamilia Sharir
22	A110	Landslide Susceptibility Analysis Using Factor Analysis Model (Fam) In Kota Kinabalu, Sabah	Mahadi Santa
23	A111	The Sabah Annex For Did Guideline For Erosion And Sediment Control In Malaysia: A Case From Sabah West Coast	Jeffery Anak Pirah
24	A128	Utilizing The Magnetic Source Edge Detection (MSED) Method In Mapping Geologic Features Within A Sedimentary Basin	Gerald Eko Ejiga
25	A131	Slope Failure Run-Out Estimation From Earthquake Disaster: A Case Study In Mesilou, Kundasang	Hennie Fitria
26	A132	Sedimentologi Jujukan Batu Pasir Bertangga Di Air Terjun Bukit Bertangga, Pahang.	Khor Wei Chung
27	A137	Characterization of Sacharomyces Cerevisiae Isolated From Sabah Soil For Fuel Ethanol Production	Rahmath Abdulla
28	A138	Mining The Microbiome: A Mini Review On Natural Products Discovery From Soil	Suraya Abdul Sani
29	A139	Environmental Attitudes And Preferences For Mangrove Conservation At Kilim Karst Geo-Forest Park, Langkawi, Malaysia	Fazilah Musa
30	A140	Oligosen Akhir – Miosen Awal Foraminifera Bentos Kecil Dari Formasi Crocker Dan Formasi Temburong, Selatan Semenanjung Klias	Junaidi Asis
31	A142	A Systematic Literature Review On Community Resilience To Natural Disaster: Enhance Risk Management For Sustainable Forest Management In Sabah	Hardawati Yahya
32	A144	Applying Fuzzy Contrast Enhancement On Earthquake Impact Images	Suzelawati Zenian
33	A145	Accumulation of heavy metals in rice grown from rainfed rice field in highland of Kiulu Valley, North Borneo	Diana Demiyah Mohd Hamdan
34	A146	Bioleaching: A Microbial Technology Approach On Environmentally Friendly Refinement Of Low Grade Metals - A Review	Suraya Abdul Sani
35	A148	Enforced Mechanical Properties Of Plaster Paris: Effect Of Organic Fibre	Asmahani Awang
36	A153	Model Fitting On Earthquake Occurrence In Sabah	Chin Su Na
37	A155	Saringan Awal Dan Perbandingan Keatas Pencemaran Logam Berat Di Sungai Kelas II Menggunakan Asetilkolineres Monopterus Albus	Mohd Khalizan Sabullah
38	A141	Risk of Biotic Degradation on Structural Wood	Melissa Sharmah Gilbert Jesuet







## POST-CONFERENCE: FIELDWORK

- Fieldwork will be taken to three different sites areas such as Lembah Permai, Mesilau landslide and Zen Garden, Kundasang.
- A one day fieldwork will be on **3<sup>rd</sup> October 2019 (Thursday)**.
- Time: 7.15 am – 7.00 pm
- Facilitators: Dr. Frederick F. Tating, Mr. Arthur Makulim, and Mr. Bailon Golutin
- Fee: RM80

### FIELDWORK SCHEDULE

<b>3<sup>rd</sup> October 2019 (Thursday)</b>	
<b>Fieldwork @ Kundasang</b>	
<b>7:15</b>	Gather in the hotel lobby @ The Palace Hotel
<b>7:30</b>	Depart from The Palace Hotel to Kundasang, Ranau
<b>9:45</b>	Expected to arrive at Site No. 1 (Lembah Permai, Kundasang – All groups) <i><b>Facilitator: Dr. Frederick F. Tating</b></i>
<b>10:30</b>	Depart to Site No. 2 (Mesilau Landslide – Group 1) <i><b>Facilitator: Mr. Arthur Makulim</b></i>
	Depart to Site No. 3 (Zen Garden – Group 2) <i><b>Facilitator: Mr. Bailon Golutin</b></i>
<b>11:15</b>	<b>SWAP SITES</b> Depart to Site No. 3 (Mesilau Landslide – Group 2) <i><b>Facilitator: Mr. Arthur Makulim</b></i>
	Depart to Site No. 2 (Zen Garden – Group 1) <i><b>Facilitator: Mr. Bailon Golutin</b></i>
<b>12:00</b>	Depart to Zen Garden Resort
<b>13:00</b>	Lunch
<b>14:00</b>	Free time and depart to Kota Kinabalu

