

PROGRAMME TENTATIVE

DAY 1

18 SEPTEMBER 2018 (TUESDAY)

TIME	EVENT		
8.00–8.30	REGISTRATION		
8.30–8.40	Plenary Keynotes Sri Mas Ballroom (LEVEL 4) Chairperson: Assoc. Prof. Dr. Ir Syed Fuad Saïyid Hashim (USM)	Welcoming Address from Chairman Assoc. Prof. Dr Kamar Shah Ariffin (Universiti Sains Malaysia)	
8.40–9.20		PL1: YBhg. Dato' Yunus Bin Abdul Razak (Board of Geologists Malaysia) Background to Geologists ACT 2008 - ACT 689	
9.20–10.00		PL2: Mr. Zaidi Harun (Selinsing Gold Mine Sdn Bhd) Finding Large Scale Metallic Deposit in Malaysia. Have We Exhausted Our Effort?	
10.00–10.30	COFFEE BREAK/POSTER SESSION		
	Sri Mas Ballroom	Sri Perak 1	Sri Perak 3
	Marine Geology/Geoenvironment/ Hydrogeology Chairperson: Dr Mohd Hazizan Mohd Hashim (USM)	Geophysics Chairperson: Mr Syahrul Salehudin (Consultant)	Geo-archaeology Chairperson: Dr Suhaina Ismail (USM)
10.30–11.00	<i>SK1 – Abdullah Sulaiman (JMG)</i> Offshore Sand Resources and Mining in Malaysia	<i>SK2 – Assoc. Prof. Dr Rosli Saad (USM)</i> Resistivity and Magnetic Response on Seulawah Agam Geothermal System	<i>SK3 – Dr Nasha Rodziadi Khaw (USM)</i> The Geo-Archaeological Survey of Bukit Choras: A Preliminary Study
11.00–11.15	<i>S1-90 – Habibah Hj Jamil</i> Alluvium Geochemistry of Kg. Tiram Burok Area, Tanjong Karang, Selangor	<i>S2-37 – Yasir Bashir</i> Enhanced Depth Imaging for Subsurface Faults, Fracture and Karst: Application in Malaysian Carbonate field	<i>S3-7 – Nurina Auni Ismail</i> Magnetic and 2-D Resistivity Imaging Prospecting of Shallow Buried Archaeological Remains Structure at the Sungai Batu, Lembah Bujang, Kedah
11.15 – 11.30	<i>S1-82 – Fatimah Binti Azmi</i> Baseline Water Quality Data of Mines in Kelantan	<i>S2-19 – Muhammad Taquuddin Zakaria</i> Soil Characterization Using Integrated Geophysical Methods at Sungai Batu, Kedah	<i>S3-11 – Sabiu Bala Muhammad</i> Two-Step Filtering of Ground Magnetic Data for Archaeological Investigation at Sungai Batu, Kedah, Malaysia
11.30–11.45	<i>S1-26 – Hazimah Haspi Harun</i> The Influence of Seawater to Groundwater in Kuala Langat, Selangor	<i>S2-62 – Bailon Golutin</i> Ground Motion Seismic Surface Wave of the 2015 Shallow Strong Earthquake at Ranau Central Zone Seismically Active Region, Sabah, Malaysia	<i>S3-99 – Ratnah Wati Rapi</i> Scientific Application on Bricks from Sungai Batu Monuments
11.45–12.00	<i>S1-85 – Zaidulkhair Jasmi</i> An Evaluation of Groundwater Reserve Potential in the Mid Miocene Aquifer System in Miri Basin, Sarawak	<i>S2-43 – Muhammad Nazrin Rahman</i> Groundwater Potential Assessment Using 2-D Resistivity Method in Kluang, Johor (Malaysia)	<i>S3-69 – Naizatul Akma Mohd Mokhtar</i> The Contribution of Technical Ceramic to Iron Smelting Production at Sungai Batu, Bujang Valley
12.00–2.00	LUNCH		



	Sri Mas Ballroom	Sri Perak 1	Sri Perak 3
	Mining & Quarry/Mineral Processing Chairperson: Dr Ismail Ahmad Abir (USM)	Regional Geology Chairperson: Assoc. Prof. Dr Habibah Hj Jamil (UKM)	Geohazards and Disaster Risk Reduction
2.00 – 2.30	<i>SK4 – Ir. Dr. Mior Termizi Mohd Yusof (IME)</i> Challenges in Exploration and Mining for Gold	<i>SK6 – Askury Abd Kadir</i> Comparison on Geochemical Properties of Andesite from Pos Betau, Pahang with Malay Basin's Volcanic: An Overview	<i>SK7 – Dr. Alan Thompson</i> (Cuesta Consulting Ltd.) Communication of Geohazard Information: An overview of examples from S.E. Asia
2.30 – 2.45	<i>SK5 – Prof Muhammad Nurdin</i> (Universitas Haluoleo, Indonesia) Mineral Exploration Potency in Southeast Sulawesi Indonesia: an Opportunity for Research Collaboration	<i>S5-79 – Syahrul Salehudin</i> Dry Hole Analysis on Caravel-1 Well, Offshore Canterbury Basin, New Zealand	SPECIAL SESSION: Geohazards and Disaster Risk Reduction
2.45 – 3.00		<i>S5-40 – Abd Alsalam Abduh Saeed Ali Almasgari</i> Seismic and Sequence Stratigraphy Study of the Central Part of Taranaki Basin Deposits, New Zealand	
3.00 – 3.15	<i>S4-16 – Kanok Kuntawang</i> Upgrading of Waste from Construction Sand Process: Case Study of Lamthamenchai Deposit Nakornratchasima, Thailand	<i>S5-66 – Muhammad Murtaza</i> The Depositional Evolution of the Kayan Formation, Lundu Area, Sarawak	
3.15 – 3.30	<i>S4-42 – Ismail Ibrahim</i> Physical and Physico-chemical Processing of Malaysian Sulphide Iron Ore	<i>S5-84 – Ilyah Abd Aziz</i> Geology Exposure for Younger Generation in Malaysia for a Sustainable Future	
3.30 – 4.00	COFFEE BREAK/POSTER SESSION		
4.00 – 4.15	<i>S4-92 – Abd Rahim Harun</i> Generation of Target Areas for Further Mineral Exploration Studies From Airborne Geophysical Survey in East Coast Economic Region (ECER)	<i>S5-111 – Qalam A'zad Rosle</i> 3D KL	SPECIAL SESSION: Geohazards and Disaster Risk Reduction
4.15 – 4.30	<i>S4-18 – Ros Sochea</i> Study on Beneficiation of Silica Sand by Wet High Intensity Magnetic Separators (WHIMs) and Reverse Flotation Technique for Glass Application: A case Study in Sihanoukville, Cambodia	<i>S5-28 – Najiatun Najla Mohamad</i> The Sedimentology and Stratigraphy of the Pedawan and Kayan Formations, Akses FAC Road (Matang Area) Kuching, Sarawak	
4.30 – 4.45	<i>S4-34 – Kay Thi Thaw</i> Cassiterite Recovery from Mine Tailing Dump in Myeik, Tanintharyi Division, Myanmar	<i>S5-67 – Syed Haroon Ali</i> Sedimentological and Diagenetic Processes on Miocene Carbonates, a Comparison of Proximal EX-buildup Vs. Distal JX Mega-platform, Central Luconia Province, Offshore Sarawak	
4.45 – 5.00	<i>S4-4 – Tagwai Gregory Mathew</i> Gold Potential Mapping in Kelantan (Malaysia) Using ArcGIS and Excel Applying Frequency Ratio Model	<i>S5-71 – Maame Adwoa Maisie</i> Evaluation of Provenance and Clay Minerals of Shales from the Belaga Formation in Central Sarawak, Malaysia.	
5.00 – 7.00	END OF DAY 1		
8.00 pm	Conference Dinner & Official Opening Ceremony (Grand Ballroom)		



DAY 2
19 SEPTEMBER 2018 (WEDNESDAY)

TIME	EVENT	
8.30 – 9.10	Plenary Keynotes Sri Mas Ballroom (LEVEL 4) Chairperson: Assoc. Prof. Dr Hashim Hussin (USM)	PL3 Prof. Dato' Dr. Mokhtar Saidin (Centre for Global Archaeological Research (CGAR), Universiti Sains Malaysia) Geoarchaeology in Malaysia
9.10 – 9.50		PL4 Mr. Sam Habib (Olympus) The Applications of Portable XRF and XRD in Geological Settings
9.50 – 10.30		PL5 Mr. Elysio Campos Neto (Carl Zeiss) Advances in Geological Microanalysis: Correlation and Machine Learning
10.30 – 10.45	COFFEE BREAK/POSTER SESSION	
	Sri Mas Ballroom	Sri Perak 1
	Geo-hazard/Geo-mechanic Chairperson: Dr Ismail Ibrahim (PPM)	Geophysics/Petroleum Geology Chairperson: Dr Nor Shahidah Mohd Nazer (UKM)
10.45 – 11.15	<i>SK8 – Prof. Dr. John Kuna Raj (Engineering Geology Consultant)</i> Lithologic Map Units and Anticipated Method of Open Excavation (<20m high) in Peninsular Malaysia	<i>SK9 – Dr. Mazlan Madon (Member of UN Commission of Continental Shelf)</i> Geoscience Capability Development in the Petroleum Industry: Challenges and Opportunities
11.15 – 11.30	<i>S7-59 – Abdul Ghani Rafek</i> Geomechanical Characterisation and Rock Slope Stability Analysis, Bukit Kledang, Perak	<i>S8-48 – Mohd Asraf Khamis</i> Conventional Core to Outcrop: A Comparison Study of Deepwater Depositional Environment and Implications on the Reservoir Potential
11.30 – 12.00	<i>S7-109 – Ismail Abd Rahim</i> Tunnel Support by Rock Quality Index (Q) System for Ultrabasic Rock: A Case Study in Telupid, Sabah, Malaysia	<i>S8-33 – Seyed Yaser Moussavi Alashloo</i> Application of VTI PSDM for Imaging Carbonate Structures
12.00 – 12.15	<i>S7-94 – Frankie Cheah</i> Strength and Stiffness Parameter Study of Kenny Hill Formation with Consideration of Constitutive Soil Model in for a Finite Element Analysis	<i>S8-5 – Satyabrata Nayak</i> Linking Shelf to Deep Water: Understanding Deep Water Sedimentation in Above Grade Slope Setting using Near Surface Seismic Data. A Case study from Sabah Deep Water
12.15 – 12.30	<i>S7-95 – Mohd Farid Abdul Kadir</i> Landslide Susceptibility Assessment of the Cameron Highlands, Pahang, Malaysia Area Based on Combined Spatial Analysis Model – Frequency Ratio and Logistic Regression.	<i>S8-45 – Douglas Law</i> Delineation of Fracture Zone using 2D Electrical Resistivity and Induced Polarisation Methods
12.30 – 12.45	<i>S7-78 – Mohd Faiz Mohammad Zaki</i> Assessment of Geological Condition for Tunnels Analysis using Inverse Distance Weighting Method (IDW)	<i>S8-53 – Abubaker Alansari</i> High Resistivity Reservoirs (Causes and Effects): Sahara Field, Murzuq Basin, Libya
12.45 – 1.00	<i>S7-2 – Ailie Sofyiana Serasa</i> Point Load Strength Anisotropy Index of Schist at Selected Sites in Peninsula Malaysia	<i>S8-64 – Mohd Redwan Rosli</i> Integrated Study of Core, Logs and Seismic Interpretation: Towards A Relative Sea Level Curve
1.00 – 2.30	LUNCH	



	Sri Mas Ballroom	Sri Perak 1
	Mineral Exploration/Geochemistry Chairperson: Dr Nordiana Mohd Muztaza (USM)	Geophysics/Petroleum Geology Chairperson: Dr Nurul'Ain Jabit (USM)
2.30 – 2.45	<i>S9-70 – Vynotdni Rathinasamy</i> Review on Exploration of Rock Aquifers	<i>S10-56 – Abdul Halim Abdul Latif</i> Seismic Site Effect of Bukit Tinggi from Microtremor Analysis
2.45 – 3.00	<i>S9-25 – Esther Boateng Owusu</i> Mineralogical Analyses of Belata Black Shale, Peninsular Malaysia	<i>S10-54 – Nur Hazira Hamsan</i> Seismic Anomaly Identification in Pliocene Stratigraphy, BG Field, Malay
3.00 – 3.15	<i>S9-89 – Teuku Andika Rama Putra</i> Zero Mercury Implementation Management of Artisanal Gold Mining at Geumpang Mountain, Pidie - Aceh, Indonesia	<i>S10-39 – Walaa Elnasir</i> Geological Interpretation of Spectral Gamma Ray (Sgr) in Nyalau Formation of Black Shale and Mudstone of Central Sarawak, Malaysia
3.15 – 3.30	<i>S9-3 – Shaib Abdulazeez Shehu</i> Preliminary Assessment and Optimization of Blasting Cost and Cycle Time of Load-haul Unit of Obajana Cement Quarry	<i>S10-47 – Md Yazid Mansor</i> Malay Basin Upper Pliocene Shallow, Low Pressure Gas Potential: Its Implication Towards Onshore Peninsular Malaysia Deltas Hydrocarbon Prospectivity
3.30 – 4.00	COFFEE BREAK/POSTER SESSION	
4.00 – 4.15	<i>S9-70 – Ali Yaraghi</i> Geochemical Assessment of REE Associated With Weathered Crust of Malaysian Granite Profile	<i>S10-44 – Ismailwali Babikir</i> Seismic Geomorphology Analysis of Coal-Bearing Reservoirs using Waveform Classification: A Case Study from the Northern Malay Basin
4.15 – 4.30	<i>S9-70 – Sharan Kumar Nagendran</i> Application of UAV Photogrammetry for Quarry Monitoring and Assessment	<i>S10-63 – Nik Nur Anis Amalina Nik Mohd Hassan</i> Seismic Geomorphology of Channels in X-Block, Penyu Basin
4.30 – 5.00	CLOSING CEREMONY	
END OF CONFERENCE		



LIST OF POSTERS (Day 1, 18 September 2018)			
No.	Poster No.	Authors	Title
MARINE GEOLOGY/GEOENVIRONMENT/HYDROGEOLOGY			
1	PGE22	Teoh Ying Jia and Nordiana Mohd Muztaza	Middle Ordovician (Llanvirnian) Relative Sea-Level Fluctuations
2	PGE27	Fitri Akhir, Aida Saad and Azazi Zakaria	Desulfurization of Groundwater Using Marble Filter
3	PGE51	Siti Aisyah Ramli, Askury Abd Kadir	Physico-chemical Characteristic of Black Shale from Sungai Perlis Bed around Kijal, Terengganu
GEOPHYSICS			
4	PG8	Nordiana Mohd Muztaza, Muhammad Taquiuddin Zakaria, Tajudeen Olugbenga Adeeko	Slope Investigation Using Integrated Geophysical Methods
5	PG9	Hazrul Hisham, Nordiana Mohd Muztaza, and Muhammad Taquiuddin Zakaria	The Study Of Chepor Member Facies At Bumita Quarry, Perlis Using Seismic Refraction and Electrical Resistivity Method
6	PG29	Nur Azwin Ismail, Iffah Zalikha Roslan and Kalai Vani Thirmalingam	2-D Resistivity and Time Domain Induced Polarization (TDIP) for Shallow Subsurface Characterization
7	PG50	Afiq Farhan Abdul Rahim, Mohd Farid Mohd Dali, Mustapha Atta and Abd Rasid Jaapar	Observations on Comparative Geological Interpretation of Two Different Resistivity Surveys for the Same Landslide Prone Area
8	PG57	Hamzah Hussin, Mohd Hariri Arifin, Tajul Anuar Jamaluddin & Nadzari Ismail	Pencirian Jasad Batuan Terlindung Shotcrete Menggunakan Survei Tomografi Keberintangan Geoelektrik
9	PG86	Nurulamani Rosman, Aisah Abdullah, Ismail Ahmad Abir	The Effect of Land Reclamation on Water Clarity in Tanjung Tokong using Remote Sensing
10	PG87	Dwiky Pobri Cesarian, Ismail Ahmad Abir, Muhammad Isa	Identifying Geothermal Potential Sites in Jaboi Field, Sabang Using Satellite Data
GEO-ARCHEOLOGY			
11	PGA73	Siti Khairani Abd Jalil, Jeffrey Abdullah, and Mokhtar Saidin	Eksperimen Kesan Guna: Fungsi Alat Repeh Batuan Impak Bukit Bunuh, Perak
12	PGA75	Norhidayanti Mohd. Muztaza, Mokhtar Saidin and Hamzah Mohamad	Mineralogical Analysis to Identify Ancient Furnace Structure in Jeniang, Kedah
13	PGA76	Wani Maler, Suprayitno and Mokhtar Saidin	Perbandingan Terhadap Batu Nisan Khas Baru dan Batu Nisan Plak-Pling: Berdasarkan Analisis Motif Ragam Hias
14	PGA77	Nurazlin Abdullah, Nor Khairunnisa Talib and Mokhtar Saidin	Mineralogical Evidence from Bukit Bunuh Impact Crater and its Contribution to Prehistoric Lithic Raw Materials
15	PGA91	Noridayu Bakry, Jeffrey Abdullah, Mokhtar Saidin and Shyeh Sahibul Karamah bin Masnan	Kapak Genggam Bukit Bunuh, Lenggong, Perak: Isu Dan Perdebatan Teori Movius Line Di Asia Tenggara
16	PGA100	Siti Nurul Siha Mohamad, Mokhtar Saidin and Goh Hsio Mei	Sungai Batu As a Geosite In Jerai Geopark And Its Contribution to The Geoarchaeo-Tourism Industry in Malaysia

17	PGA101	Mohd Hasfarisham Abd Halim and Mokhtar Saidin	XRD, XRF and SEM Analysis of Pottery from Jetty and Administrative Sites, Sungai Batu Complex's, Bujang Valley, Kedah
GEOFYSICS/PETROLEUM GEOLOGY			
18	PPG14	Mazshurraiezal Nasir, Abdul Hadi Abd Rahman, Zainey Konjing and M Azfar Mohamed	Tertiary Palynomorph from The Lambir Formation (Middle – Late Miocene), North Sarawak, Malaysia
19	PPG35	Amir Abbas Babasafari, Deva Prasad Ghosh, Seyed Yaser Moussavi Alashloo, Yasir Bashir, Chico Sambo and Ahmed M. A. Salim	Seismic Reservoir Characterization in a VTI Anisotropic Media: Case Study in Malay Basin
20	PPG46	Nur Khalisa Binti Abdul Hamid, Numair Ahmed	The Effect of Shale Content to Reservoir Properties Using Synthetic Core Plug Analysis
21	PPG49	Zainey Konjing, Abdul Hadi Abd Rahman	Facies and Stratigraphic Architecture of Fluvial to Tidal Transition in a Mixed Tide-Wave-Influenced Estuarine Deposits; an Example From Nyalau Formation, Central Sarawak, Malaysia
22	PPG114	Choong Chee Meng, A Previna, Sean Lee Cheong Heng, Ooi Wei Chian, Nik Azfar Azwanis Nik Aziz, Muhammad Noor Amin Bin Zakariah, Khairul Arifin Bin Mohd Noh	Geological Modelling using Gravity Anomaly Data: Lumut – Gua Musang Transect, Malaysia

LIST OF POSTERS (Day 2, 19 September 2018)			
No.	Poster No.	Authors	Title
MINING & QUARRY/MINERAL PROCESSING			
23	PME17	In Sopheak, Hashim Hussin, Suhaina Ismail and Mayomi Ito	Refractory Gold Ore Characteristics from Central Gold Belt Malaysia
24	PME32	Siti Nadzirah Nazri, Azman Abd Ghani	Major Element Geochemistry of Soil Produce from Felsic Volcanic Rock in Teluk Ramunia
25	PME36	Ahmad Fauzan Yusoff, Jasmi Hafiz Abdul Aziz	Mineralogy and Geochemistry of Iron-Copper in Mengapur Project, Sri Jaya, Pahang, Peninsular Malaysia
26	PME38	Nur Nadwa Syahirah Ai Zamruddin, Jasmi Hafiz Abdul Aziz	Trace Elements Composition of Iron at Pulai, Kelantan
27	PME41	Anuar Othman, Azli Sulaiman, Ismail Ibrahim and Mohd Syahrir Mohd Rozi	The Effectiveness Study of Calcium and Magnesium Oxides in Acid Mine Drainage Treatment
28	PME103	Mohd Hazizan Mohd Hashim, Khairul Shazwan Pelawang and Shaib Abdulazeez Shehu	Prediction of Blast Induced Vibration at Lafarge Quarry in Kanthan, Ipoh, Perak
29	PME104	Syed Mohd Syafiq Idid, Suhaina Ismail and Nurul 'Ain Jabit	A Preliminary Characterization Study of Copper Dross (CD) and Roasted Copper Dross (RCD) as a By-Product in Tin Smelting
30	PME105	Khong Ling Han, Hareyani Zabidi & Kamar Shah Ariffin	Textural and Morphological Properties of Aplitic Kaolin from Kinta Valley
31	PME108	Mohd Haikal Rosli, Mohammad Hafizuddin Mohd Safri, Hareyani Zabidi, Nurul Ain Jabit & Suhaina Ismail	Mineralogical Characterisation of Complex Sulphide Gold Ore from Pahang, Malaysia

32	PME110	Hud Mohamad Muzaffar, Suhaina Ismail, Nurul Ain' Jabit & Hasliza Mat Saad	Physical and Chemical Characterisation of Malaysian Sulphide Gold Ore from East Peninsular Malaysia
33	PME113	Shafinaz Saad & Syed Fuad S. Hashim	Effect of grinding additives in dry grinding of mica in planetary mill
REGIONAL GEOLOGY			
34	PRG2	Hareyani Zabidi, Nur Lyana Khalil, Nur Emilia Qistina Mohd Anua and Syaran Suri	Structural Control on Karstification of Three Silurian – Triassic Carbonates Overlying The Metamorphic Formations of West Peninsular Malaysia
35	PRG55	Nabilah Mohamed Zainuddin, Siti Nur Fathiyah Jamaludin, Choong Chee Meng, Mohd Suhaili Ismail	The Geology of Kudat Peninsula, Sabah: New Insights from Field Geology and Subsurface Interpretation
36	PRG65	Abdul Hadi Hashim, Habibah Jamil, Zaineey Konjing, Ramlan Omar	Quaternary Biostratigraphy of Borehole Sample (BH1) from Pontian, Western Johor, Peninsular Malaysia
GEO-HAZARD/GEO-MECHANIC			
37	PGH21	Abdul Qayyum Jalal, Mohd Hariri Arifin dan Nor Shahidah Mohd Nazer	Tanah Runtuh Cetek di Bukit Fraser, Pahang
38	PGH23	Wong Jia Mang, and Abdul Ghani Md Rafek	Durability Characterisation of Weathered Sedimentary Rocks Using Slake Durability Index and Jar Slake Test
39	PGH52	Nurul Afiqah Binti Mohammad Zahir, Askury Abd Kadir and Jasmi Abd Talib	Fracture and Faults in Vicinity of Dolomitization Zones of Kinta Valley, Perak, Malaysia
40	PGH81	Darvintharen Govindasamy, Mohd Ashraf Mohamad Ismail and Mohd Faiz Mohammad Zaki	Evaluation of Tunnel Interaction in Kenny Hill Formation Using Finite Element Modelling
41	PGH93	Onimisi A jimoh, Shehu Shaib Abdulazeez, Mochamad Trisugiwo and Hareyani Zabidi	Assessment of Supporting System of Hulu Terengganu Hydroelectric Surge Chamber Cavern in Malaysia
42	PGH96	Syaran Suri, Hareyani Zabidi, Aisyah Shahirah Juhari, Solihin Yaacob and Nur Emilia Qistina Anua	Rock Slope Discontinuity Extraction From 3D Point Clouds: Application to an Open Pit Limestone Quarry
43	PGH97	Nur Emilia Qistina Mohd Anua, Aisyah Shahirah Juhari, Solihin Yaacob, Syaran Suri and Hareyani Zabidi	Slope Stability Assessment in Opencast Quarry – An UAV Approach
44	PGH112	N.H Jamin, N.R Ahmad and U.M.N Ostadi	The Geotechnical Properties of Soft Rocks of Semantan formation at Segamat, Johor