



Programme Tentative of GEOFIESTA 2022

Day 1: 20th July 2022 (Wednesday)

08:00 – 08:30	Registration
08:30 – 09:00	Arrival of guests and VIPs National Anthem and Doa Recital
09:00 – 09:10	Welcoming address by Dr. Dayang Zulaika Abang Hasbollah, Chairwoman of 1 st International Geoenvironment Conference, GEOFIESTA 2022 (UTM)
09:10 – 09:20	Welcoming address by Dr. Aizat Mohd Taib, Chairman of 1 st Anti-Collapse Geostructure Competition, GEOFIESTA 2022 (UKM)
09:20 – 09:30	Opening speech by Prof. Dr. Edy Tonnizam Mohamad, Patrons of 1 st GEOFIESTA 2022 (UTM)
09:30 – 09:40	Opening speech by Prof. Dr. Mohd Raihan Taha, Patrons of 1 st GEOFIESTA 2022 (UKM)
09:40 – 10:10	Montage and Group Photo
10:10 – 10:40	Honorary Speaker 1: Challenge of Engineering Construction in Tropical Soil Region by Ir. Dr. Hj. Ramli Bin Hj. Nazir (Honorary Fellow, Centre of Tropical Geoenvironment (GEOTROPIK) Universiti Teknologi Malaysia)
10:40 – 11:00	Morning Tea Break
11:00 – 11:30	Keynote Speaker 1: Stability Analysis of a Flood Protection Structure at Various Flood Levels by Prof. Dr. Suksun Horpibulsuk (Professor, School of Civil Engineering, Suranaree University of Technology, Nakhon Ratchasima, Thailand)
11:30 – 12:00	Keynote Speaker 2: Ir. Som Pong a/l Pinchan (Head of Soil Investigation Division, Geotechnical Engineering Branch, Jabatan Kerja Raya (JKR), Malaysia)

Parallel Session I		
	Room A	Room B
12:00 – 13:00	Session 1: Engineering Geology Chairperson: Ir. Dr. Azhani Zukri (UMP) Assistant: Zubaidah (UPNM)	Session 2: Geotechnical Engineering Chairperson: Assoc. Prof. Dr. Aniza Ibrahim (UPNM) Assistant: Fakhurrazi (UPNM)
12:00 – 12:10	079-084 - Eka Kusmawati Suparmanto Rippability Assessment of Weathered Granite Rock Mass using Geophysical Method	008-004 – Reza Pahlevi Munirwan Utilization of Coffee Husk Ash to Improve the Compaction Characteristics of Clay Soil
12:10 – 12:20	060-060 – Aqillah Abdul Rahman Facies Analysis and Depositional Environment of the Cambrian Machinchang Formation in Langkawi, Kedah, Malaysia	004-009 – Sharmila Devandran Effect of Particle Size Distribution on Kaolin Treated with Ground Granulated Blast Furnace Slag (GGBS)
12:20 – 12:30	062-061 –Teoh Ying Jia The Carboniferous Singa Formation of Langkawi, Malaysia: Facies Analysis and Depositional Environments	075-079 – Ahmad Bukhari Ramli The Effectiveness of CAPSASW Test on Marine Clay at Port Dickson
12:30 – 12:40	063-062 – Vynodni Rathinasamy Groundwater Exploitation in Southern Johor Bahru, Malaysia: Prospects and Challenges while Drilling and its Mitigation Measures	014-011 – Pradyta Galuh Oktafiani Application of Technical Grade Reagent in Soybean-Crude Urease Calcite Precipitation (SCU-CP) Method for Soil Improvement Technique
12:40 – 12:50	036-031 – Mohd Firdaus Md Dan Physico-mechanical Characteristics of Tropical Granite Boulders in Weathered Heterogeneous Zones for Geotechnical Design Purposes	016-012 – Lee Min Lee Effect of Fine Content on Soil Moisture Responses to Wetting & Drying Cycles
12:50 – 13:00	Q & A Session	Q & A Session
13:00 – 14:00	Lunch	

Parallel Session II

	Room A	Room B
14:00 – 15:50	<p style="text-align: center;">Session 3: Geotechnical Engineering</p> <p>Chairperson:</p> <p>1) Assoc. Prof. Dr. Ramadhansyah Putra Jaya (UMP)</p> <p>2) Ts. Dr. Mohd Firdaus Md Dan (UTHM)</p> <p>Assistant: Aina (UPNM)</p>	<p style="text-align: center;">Session 4: Geotechnical Engineering</p> <p>Chairperson:</p> <p>1) Dr. Ahmad Bukhari Ramli (UIAM)</p> <p>2) Dr. Shahida Shafiee (UMK)</p> <p>Assistant: Aqilah (UTM)</p>
14:00 – 14:10	<p style="text-align: center;">032-044 – Fakhruzazi Awang Kechik</p> <p style="text-align: center;">Analysis of Influence of Air-Entry Values on Unsaturated Soil Properties</p>	<p style="text-align: center;">050-050 – Mohammed Al Aghbari</p> <p style="text-align: center;">Improvement Geotechnical Properties of Salt-encrusted Desert Flats utilizing Cement Kiln Dust</p>
14:10 – 14:20	<p style="text-align: center;">076-081- Nur Afiqah Zahari</p> <p style="text-align: center;">Erosion Risk Index: Correlation of ROM-scale and SASW Method</p>	<p style="text-align: center;">055-076 – Mariatul Kiftiah Ahmad Legiman</p> <p style="text-align: center;">Effectiveness of Coffee Husk Ash and Coconut Fiber in Improving Peat Properties</p>
14:20 – 14:30	<p style="text-align: center;">076-085 – Mas Nadirah Masli</p> <p style="text-align: center;">Relationship of Soil Erodibility and Shear Wave Velocity</p>	<p style="text-align: center;">052-053 – Mohammed Adel</p> <p style="text-align: center;">Sabkha Soil Geotechnical Properties Improvement utilizing Cement and Marble Powder</p>
14:30 – 14:40	<p style="text-align: center;">076-086 – Nur Ain Suhada Aminuddin</p> <p style="text-align: center;">Evaluating Soil Erodibility by Macintosh Probe Test</p>	<p style="text-align: center;">058-057 – Jeffery Nazrien Ng</p> <p style="text-align: center;">Numerical Analysis of Sg Langat Slope Behaviour due to the Effect of Projected Rainfall</p>
14:40 – 14:50	<p style="text-align: center;">033-029 – Nor Hafizah Hanis Abdullah</p> <p style="text-align: center;">Use of Geosynthetic Reinforced Soil-Integrated Bridge System (GRS-IBS) to Alleviate Settlement Problems at Bridge Approach: A Review</p>	<p style="text-align: center;">032-043 – Aniza Ibrahim</p> <p style="text-align: center;">Assessment of Ultimate Bearing Capacity of the Pile for Jacking & Rotary Piling Method</p>

14:50 – 15:00	037-032 – Nurul Eilmy Zainuddin Subsurface Investigation on Federal Route Failure at Pengkalan Raja, Pontian, Johor	056-078 – Mariatul Kiftiah Ahmad Legiman A Review on Debris Flow Mechanism in Malaysia
15:00 – 15:10	040-036 – Oh Yong Ping Pile Length Optimization by using T-z and Q-z Functions Developed from Instrumented Pile Load Test	018-013 – Irgie Yudhistira California Bearing Ratio Improvement of Peat Soil using Soybean Crude Extract Calcite Precipitation (SCU-CP) as Road Subgrade
15:10 – 15:20	019-037 – Zeety Md Yusof Unconfined Compressive Strength Characteristic of Laterite Soil Stabilisation with Bamboo Ash (BA)	024-020 – Mohd Khaidir Abu Talib Effect of Cement Stabilized Peat on Strength and Chemical Behaviour
15:20 – 15:30	044-040 – Irfan Haziq Razali Slope Stability Analysis of Riverbank in Malaysia with the Effects of Vegetation	030-027 – Noorasyikin Mohammad Noh Root Mechanical Properties of Bermuda Grass toward Sandy and Clay Soil for Slope Reinforcement
15:30 – 15:40	004-010 – Azimah Ayub Compressibility Behaviour of GGBS Treated Kaolin due to Carbonation	045-051 – Haspina Sulaiman Performance of Soil Stabilized with Biopolymers Materials – Xanthan Gum and Guar Gum
15:40 – 15:50	Q & A Session	Q & A Session
15:50 – 16:00	Tea Break	
Parallel Session III		
16:00 -18:00	<p style="text-align: center;">Room A</p> <p style="text-align: center;">Session 5: Soil Mechanics /Sustainable Highway Engineering</p> <p>Chairperson:</p> <p>1) Dr. Muhammad Naquiuddin Mohd Warid (UTM)</p> <p>2) Ir. Dr. Azhani Zukri (UMP)</p> <p>Assistant: Fakhrurazi (UPNM)</p>	<p style="text-align: center;">Room B</p> <p style="text-align: center;">Session 6: Rock Mechanics /Geomatic Engineering</p> <p>Chairperson:</p> <p>1) Ts. Faridah Hanim Khairuddin (UPNM)</p> <p>2) Assoc. Prof. Dr. Aniza Ibrahim</p> <p>Assistant: Zubaidah (UPNM)</p>

16:00 – 16:10	011-006 – Alsidqi Hasan Large Strain Cyclic Simple Shear Behavior of a Tropical Alluvial Soil	019-017 – Zeety Md Yusof Rock Point Load Test (Plt Index) and Correlation with Rock Coring Rate by Bored Pile Machine
16:10 – 16:20	046-046 – A. Albar Influence of Membrane Penetration on Granitic Residual Soil in Consolidated Drained Triaxial Test	031-028 – Mazlina Razali Empirical Correlation between Knocking Ball Test Method and Schmidt Hardness of Limestone
16:20 – 16:30	021-015 – Hamizah Amalina Amlan Discovering the Global Landscape of Vulnerability Assessment Methods of Transportation Networks Studies: A Bibliometric Review	034-034 – Raja Asyraf Azizan Raja Adnan Preliminary Assessment of Joint Roughness Coefficient of Rock Slope using Close Range Photogrammetry Technique
16:30 – 16:40	041-041 – Ali Muftah Abdussalam Ezreig Geotechnical Performance of Tropical Laterite Soil using Palm Oil Fuel Ash (POFA) and Activator Magnesium Oxide (MgO) Stabilizer	039-035 – Andrew Lee Kwan Yee Preliminary Analysis of Rock Mass Weathering Grade using Image Analysis of CIELAB Color Space with the Validation of Schmidt Hammer
16:40 – 16:50	066-063 – Mohd Izzat Asyraf Mohamad Kamal Evaluation of Optimum Asphalt Content for Asphalt Emulsion	003-001 – I. Neza Automatic Slope Modelling Accuracy Assessment using Point Cloud Data from Unmanned Aerial Vehicle
16:50 – 17:00	067-065 – Nor Izzah Zainuddin Influence of Road and Environment Factors towards Heavy Goods Vehicle Fatal Accident	025-021 – Norsuzila Ya'acob Forest Fire using Remote Sensing and GIS at Raja Musa Forest Reserve, Selangor
17:00 – 17:10	070-067 – Abdullah Farhan Nasralddin Cup Lump Modified Binder Gradation for Cold Mix Asphalt	027-024 – Muhammad Mukhlisin Rapid and Low Cost Ground Displacement Mapping using UAV Photogrammetry
17:10 – 17:20	069-068 – Munzir Abdullah Zawawi Effect of Evotherm 3G on the Performance of Asphalt Mixture	023-025 – Abdul Aziz Ab Rahman An Approaching of INSAR Technique for Monitoring and Landslide Detection

17:20 – 17:30	071-069 – Nurul Aliah Amirah Mazalan Rheological Properties of Asphaltene-modified Bituminous Mastic	029-030 – Nur Farhana Abdul Aziz A Review of Wildfire Studies using Machine Learning Applications
17:30 – 17:40	072-074 – Ashraf Abdalla M Radwan Utilization of Coal Fly Ash to Enhance the Bearing Capacity of Road Base	078-082 – Muhammad Farhan Zolkepli Slope Potential Hazard Mapping and Preventive Maintenance using Unmanned Aerial Vehicle (UAV)
17:40 – 17:50	074-075 – Ramadhansyah Putra Jaya Performance of Glass Powder as Alternative Binder for Green Pavement	051-054 – Nur Zahidah Mohamad Geophysical Characterization of Sedimentary Rocks for Different Facies
17:50 – 18:00	Q & A Session	Q & A Session
End of Day 1		

Day 2: 21st July 2022 (Thursday)	
08:00 – 08:30	Registration
08:30 – 09:00	Honorary Speaker 2: Geophysics for Engineering and Environment by Professor Dr. Rosli Sa'ad , (Deputy Director & Head of Geophysics, Centre of Tropical Geoengineering (GEOTROPIK), Universiti Teknologi Malaysia)
09:00 – 09:30	Keynote Speaker 3: A New Framework for Quantifying the Structure of Undisturbed and Artificially Cemented Alluvium by Professor Dr. Mohamed Rouainia (Reader in Computational Geomechanics, School of Engineering, University of Newcastle, the UK)
09:00 – 10:00	Keynote Speaker 4: Stabilization vs Carbonation: Impacts on the Geoenvironmental Engineering by Assoc. Prof. Dr Nor Zurairahetty Mohd Yunus (Director Geotechnics and Transportations Department, Universiti Teknologi Malaysia)
10:00 – 10:15	Morning Tea Break

Technical Talk Session (Session IV)		
10:15 – 11:15	Room A Session 7: Invited Speaker Chairperson: Dr. Dayang Zulaika Abang Hasbollah (UTM) Assistant: Fakhrurazi (UPNM)	Room B Session 8: Invited Speaker Chairperson: Dr. Ain Naadia Mazlan (UTM) Assistant: Aqilah (UTM)
10:15 – 10:30	Measure While Drilling (MWD) Techniques for Geotechnical Applications by Dr. Ramesh Murlidhar Bhatawdekar (International Fellow, Centre of Tropical Geoen지니어ing (GEOTROPIK) , Universiti Teknologi Malaysia)	Advancing Net Zero Carbon Emission with Solar Green Energy by Ts. Regine Choo Hooi Chin (Past Chairman, Malaysia Green Building, Council Northern Chapter)
10:30 – 10:45	Theory-Guided Model Tree Equation for Prediction of Peak Particle Velocity Resulting from Blasting by Dr Danial Jahed Armaghani (Researcher, School of Civil and Environmental Engineering, Faculty of Engineering and Information Technology, University of Technology Sydney, Australia)	Subsurface Mapping with Ground Penetrating Radar by Anoop Thomas (Technical Manager, Geophysical Survey Systems Inc. (GSSI), United States (USA)) ZL Technologies Sdn. Bhd.
10:45 – 11:00	Q & A Session	Technical Talk by Guideline Geo
11:00 – 11:15		Q & A Session
Parallel Session (Session V)		
11:30 – 13:00	Room A Session 9: Geophysics/Tunnel Engineering Chairperson: 1) Assoc. Prof. Dr. Nordiana Mohd Muztaza (USM) 2) Dr. Teoh Ying Jia (USM) Assistant: Zubaidah (UPNM)	Room B Session 10: Geophysics /Sustainable Construction Material Chairperson: 1) Dr. Ismail Ahmad Abir (USM) 2) Dr. Nur Azwin Ismail (USM) Assistant: Aina (UPNM)

11:30 – 11:40	002-002 – Abdulsalam Bello Geophysical Performance of Subsurface Characterization for Site Suitability in Construction Purpose	057-056 – Thivineshvaren Elanggovan Lineament Extraction and Analysis for Preliminary Insights on the Strain Model of Northwestern Sabah
11:40 – 11:50	010-005 – Togi Tampubolon The Influence of Mt. Sinabung Eruption on the Geothermal in Tinggi Raja Simalungun	064-064 – Nur Zahidah Mohamad Correlation of Ground Penetrating Radar (GPR) and 2-D Resistivity Imaging Methods towards Shallow Subsurface Layer at Coastal Area
11:50 – 12:00	006-014 – Norshidah Yunus Delineation of Groundwater Potential Zones using 2 Dimensional Electrical Resistivity Imaging at Universiti Sains Malaysia, Penang, Malaysia	026-066 – Ahmad Khairul Abd Malik The effect of Particle Size towards Resistivity and Chargeability Value
12:00 – 12:10	020-022 – Nuriah Abd Majid The Spatial Distribution of Land-Use Changes on Landslide Occurrence in Langat Basin, Selangor	068-073 – Adamu John Surface Investigation of the Relation between Magnetic Susceptibility and Heavy Metal Contamination of Minna Soil, Niger State, Nigeria
12:10 – 12:20	036-033 – Nur Aishah Abdul Wahid Prediction of N-value of Parit Raja Clay based on Empirical Formulation of Primary Velocity and SPT-N value	078-083 – Mohd Fakhurrazzi Ishak Interrelationship between Borehole Lithology and Electrical Resistivity for Geotechnical Site Investigation in Kuala Krau, Temerloh, Pahang
12:20 – 12:30	043-038 – Intan Norsheira Yusoff Discontinuity Pattern Detection and Orientation Measurement for Tunnel Face using Structure from Motion Photogrammetry	005-003 – Yusuf Babangida Attahiru Effect of Waste Cooking Oil on Warm Mix Asphalt Block Pavement – A Vital Review
12:30 – 12:40	048-048 – Lim Chin Boon Numerical Modelling of Tunnel – Pile Interaction	047-047 – Fariz Aswan Ahmad Zakwan Numerical Analysis of Reinforced Concrete Column with Full Confined Carbon Fiber Reinforced Polymer (CFRP) Exposed to Elevated Temperature

12:40 – 12:50	048-049 – Lim Chun Xiang Tunnel Depth Effect to Existing Pile in Tunnel's Influence Zone	007-052 – Azhani Zukri Lightweight Expanded Clay Aggregate (Leca) as Replacement Materials for Geotechnical Application
12:50 – 13:00	Q & A Session	Q & A Session
13:00 – 14:00	Lunch	
Closing and Prize Giving Ceremony		
14:00 – 14:30	Arrival of guest and VIPs National Anthem	
14:30 – 14:40	Closing remarks by Dr. Dayang Zulaika Abang Hasbollah, Chairwoman of 1 st GEOFIESTA 2022	
14:40 – 14:45	Closing Montage	
14:45 – 15:00	Closing speech by Prof. Ts. Dr. Abd Latif bin Saleh, Pro-Vice Chancellor (UTM Kuala Lumpur)	
15:00 – 15:45	Prize giving ceremony for Best Presenter, Best Paper and Competition Winner Souvenir to Pro-Vice Chancellor UTM	
15:45 – 16:30	Group photo session	
End of Day 2		