

<b>Day 1 (4<sup>th</sup> September 2024) – Pacific Ballroom</b>	
07:45 – 08:30	<b>Registration</b>
08:30 – 08:45	Arrival of guest and VIPs
08:45 – 09:00	<p style="text-align: center;"><b>Arrival of YBhg. Prof. Ts. Dr. Edy Tonnizam Mohamad</b>  <i>Deputy Vice Chancellor (Development) of Universiti Teknologi Malaysia</i></p> <p style="text-align: center;"><b>Arrival of Yang Berhormat Datuk Seri Haji Ahmad bin Maslan</b>  <i>Deputy Minister of Works Malaysia</i></p>
09:00 – 09:05	Singing <i>Negaraku</i>
09:05 – 09:10	Welcoming Remarks & Du'a Recitation
09:10 – 09:15	Welcoming address by conference chairman of GEOCHITRA 2024 – <b>Ts. Dr. Mohd. Nur Asmawisham bin Alel</b>
09:15 – 09:20	Speech by Deputy Vice-Chancellor (Development) of Universiti Teknologi Malaysia – <b>YBhg. Prof. Ts. Dr. Edy Tonnizam bin Mohamad</b>
09:20 – 09:50	Officiating speech by Deputy Minister of Works Malaysia – <b>Yang Berhormat Datuk Seri Haji Ahmad bin Maslan</b>
09:50 – 09:55	Gimmick & Montage GEOCHITRA 2024
09:55 – 10:05	<p style="text-align: center;">MoU Exchange Ceremony - <b>Safwa Global Venture-M Sdn. Bhd. &amp; UMLAB Laboratory &amp; Services Sdn. Bhd.</b></p> <p style="text-align: center;">Certificate of Appreciation - <b>Shell MDS (M) Sdn. Bhd., AHN Vertex Sdn. Bhd., Smart Sensing Technology Sdn. Bhd.,</b>  <b>&amp; GEONAMICS (M) Sdn. Bhd.</b></p> <p style="text-align: center;">Souvenir Presentation</p> <p style="text-align: center;">Photo Session &amp; Video Main Sponsors</p>
10:05 – 10:30	Visit to Exhibition Booth, Press Conference & <b>Morning Tea break</b>

<b>KEYNOTE SESSION</b>	
<b>Pacific Ballroom</b>	
10:30 – 11:00	<p><b>Keynote Speaker 1:</b></p> <p><b>Moving towards a Low Carbon Transport Sector: From Infrastructures to People-Centric Mobility</b>  <i>by Assoc. Prof. Dr. Ong Ghim Ping Raymond (Department of Civil and Environmental Engineering, National University of Singapore)</i>                      Moderator: <b>Assoc. Prof. Ir. Dr. Sitti Asmah binti Hassan</b></p>
11:00 – 11:30	<p><b>Keynote speaker 2:</b></p> <p><b>Hydrological Effect on Slope Stability Analysis</b>  <i>by Prof. Ts. Dr. Nazri bin Ali (CEO and Managing Director, UTMSPACE)</i>                      Moderator: <b>Dr. Dayang Zulaika binti Abang Hasbollah</b></p>
11:30 – 12:00	<p><b>Keynote Speaker 3:</b></p> <p><b>Use of Pile Slab System to Overcome Landslide of Highway Located on Clay Shale and Debris Material</b>  <i>by Prof. Dr. Paulus Pramono Rahardjo (Head of Deep Foundation Research Institute, Parahyangan Catholic University)</i>                      Moderator: <b>Prof. Ir. Dr. Azman bin Kassim</b></p>
12:00 – 12:30	<p><b>Keynote Speaker 4:</b></p> <p><b>Transportation Revolution: The Future of Travel with High-Speed Rail</b>  <i>by En. Khazrul Hislan bin Kamarudin (Head of Land Management, MyHSR Corporation Sdn. Bhd.)</i>                      Moderator: <b>Ts. Dr. Mohd Khairul Idham bin Mohd Satar</b></p>

12:30 – 13:00	<p style="text-align: center;"><b>Keynote Speaker Main Sponsor:</b></p> <p style="text-align: center;"><b>Shell GTL Saraphalt Performance Investigation in Asphalt Mixes Application</b></p> <p style="text-align: center;"><b>by Mr. Phua Boon Ping</b></p> <p style="text-align: center;"><i>(Product Innovation and Technical Manager, Shell MDS (M) Sdn. Bhd.)</i></p> <p style="text-align: center;"><b>Moderator: Dr. Mohd Zul Hanif bin Mahmud</b></p>
13:00 – 13:15	<p style="text-align: center;">Certificate of Appreciation – <b>Keynotes</b></p>
<b>13:15 – 14:00</b>	<p style="text-align: center;"><b>Lunch Break</b></p>

PARALLEL SESSION 1			
	ICHITRA	GEOTROPIKA	
	<p><b>Room A (Pacific Ballroom)</b></p> <p><b>Chairperson:</b> Ts. Dr. Norhidayah binti Abdul Hassan</p> <p><b>Assistant:</b> Dr. Mohd Zul Hanif bin Mahmud</p>	<p><b>Room B (Kenanga)</b></p> <p><b>Chairperson:</b> Assoc. Prof. Ir. Dr. Rini Asnida binti Abdullah</p> <p><b>Assistant:</b> Ts. Dr. Mohd Khairul Afzan bin Mohd Lazi</p>	<p><b>Room C (Melor)</b></p> <p><b>Chairperson:</b> Prof. Ir. Dr. Azman bin Kassim</p> <p><b>Assistant:</b> Dr. Afikah binti Rahim</p>
14:00 – 14:30	<p><b>Invited Speaker 1</b></p> <p>Multi-Speed Deflectometer: A New Frontier in Pavement Assessment</p> <p><b>Speaker: <i>Mr. Abdul Hamid bin Othman</i></b> <b>(CEO &amp; Managing Director, AHN Vertex Sdn. Bhd.)</b></p>	<p><b>Invited Speaker 2</b></p> <p>Preventing Disasters: The Role of Modern Instrumentation in Structural and Geotechnical Monitoring</p> <p><b>Speaker: <i>Dr. Tee Bun Pin</i></b> <b>(General Manager, Smart Sensing Technology Sdn. Bhd.)</b></p>	<p><b>Invited Speaker 3</b></p> <p>Geotechnical Instrumentation Using Robotic Integrated Total System (RITS) for Risk Management</p> <p><b>Speaker: <i>Dr. Henry Tan</i></b> <b>(Technical Director, GEONAMICS (M) Sdn. Bhd.)</b></p>

14:30 – 14:45	<p><b>Paper ID: 36</b></p> <p>What Factors Influence Risky Riding Behaviours Among Food Delivery Riders in Malaysia?</p>	<p><b>Paper ID: 13</b></p> <p>Effect of anionic surfactant to strength development in Tataki made of acid clay</p>	<p><b>Paper ID: 61</b></p> <p>Numerical Study on Effect of Discontinuity Orientation on Blast Fragmentation of Rock Mass</p>
14:45 – 15:00	<p><b>Paper ID: 62</b></p> <p>Pedestrian Speeds at Ascending Staircase in Rail Transit Terminal</p>	<p><b>Paper ID: 19</b></p> <p>Numerical Modelling for Matching Coiled Tubing Forces in a Gas/Condensate Well Intervention in Peninsular Malaysia</p>	<p><b>Paper ID: 56</b></p> <p>Mechanical Characteristics of a Single-Bay Double T-beam Assembled Frame Structure in A Shallow -Buried Underground Station</p>
15:00 – 15:15	<p><b>Paper ID: 65</b></p> <p>An Overview of Self-Healing in Asphalt Pavements</p>	<p><b>Paper ID: 16</b></p> <p>Automated Pre-Screening Method for Production Enhancement Using Electrical Submersible Pump in Malaysia's Offshore Brown Field</p>	<p><b>Paper ID: 54</b></p> <p>Deformation Behaviour of Adjacent Underpass Tunnels Due to Foundation Pit Excavation in Soft Soils</p>
15:15 – 15:30	<p><b>Paper ID: 59</b></p> <p>Service Quality in Public Transportation: An Overview of Subjective, Objective, and Integrated Approaches</p>	<p><b>Paper ID: 17</b></p> <p>Effect of silica fume, eggshell ash and lime on the strength of stabilized expansive clay soil</p>	<p><b>Paper ID: 49</b></p> <p>Enhancing Potential Performance of Cement Stabilised Laterite Soil on Low Volume Road</p>

15:30 – 15:45	<p align="center"><b>Paper ID: 4</b></p> <p align="center">Assessment and Mitigation of Post-Tension Cable Damage at Bridge: A Case Study</p>	<p align="center"><b>Paper ID: 2</b></p> <p align="center">Seismic Fragility Assessment of Earth Dam Using Newmark Deformation Analysis</p>	<p align="center"><b>Paper ID: 58</b></p> <p align="center">Spatial Fracture Morphologies and Failure Mechanism of Shale Specimens in Three-points Bending Test</p>
15:45 – 16:00	<p align="center"><b>Paper ID: 47</b></p> <p align="center">Factors That Incentivize Negative Driving Behaviour Among Commercial Transport Drivers in Nigeria: A Systematic Review</p>	-	-
16:00 – 16:30	<p align="center"><b>Tea break</b></p>		
<p align="center"><i>End of Day 1</i></p>			

<b>Day 2 (5<sup>th</sup> September 2024)</b>	
08:30 – 09:00	<b>Registration</b>
<b>Keynote Session (Room: Pacific Ballroom)</b>	
09:00 – 9:30	<p style="color: #00A0C0;"><b>Keynote Speaker 5:</b></p> <p><b>X-Ray Computed Tomography for Non-Destructive Inspection of Composite Materials</b></p> <p><b>by Ts. Dr. Norhidayah binti Abdul Hassan</b></p> <p><i>(Senior Lecturer, Faculty of Civil Engineering, Universiti Teknologi Malaysia)</i></p> <p><b>Moderator: Ts. Dr. Nordiana binti Mashros</b></p>
09:30 – 10:00	<p style="color: #00A0C0;"><b>Keynote Speaker 6:</b></p> <p><b>Revised Specification Section 16: Slope Stabilization in the Malaysian Construction Industry</b></p> <p><b>by Ir. Dr. Hj. Ahmad Shukri bin Abd Rashid</b></p> <p><i>(Senior Superintendent Civil Engineer, Road Branch, Ministry of Public Works Department)</i></p> <p><b>Moderator: Assoc. Prof. Ts. Dr. Nor Zurairahetty binti Mohd Yunus</b></p>
10:00 – 10:10	Certificate of Appreciation – <b>Keynotes</b>
<b>10:10 – 10:30</b>	<b>Morning Tea break</b>

PARALLEL SESSION 2			
	ICHITRA	GEOTROPIKA	
	<p><b>Room A (Pacific Ballroom)</b></p> <p><b>Chairperson:</b></p> <p>Prof. Ts. Dr. Mohd Rosli bin Hainin</p> <p><b>Assistant:</b> Dr. Siti Nur Naqibah binti Kamarudin</p>	<p><b>Room B (Kenanga)</b></p> <p><b>Chairperson:</b></p> <p>Assoc. Prof. Ts. Dr. Nor Zurairahetty binti Mohd Yunus</p> <p><b>Assistant:</b> Dr. Khairun Nissa binti Mat Said</p>	<p><b>Room C (Melor)</b></p> <p><b>Chairperson:</b></p> <p>Assoc. Prof. Ir. Dr. Rini Asnida binti Abdullah</p> <p><b>Assistant:</b></p> <p>Dr. Afikah binti Rahim</p>
10:30 – 11:00	<p><b>Invited Speaker 4</b></p> <p>Resilient and Sustainable Pavement Materials for Road Infrastructure in Malaysia</p> <p><b>Speaker:</b></p> <p><i>Ir. Fatimah Nuri binti Mohd Yusof</i> (Senior Superintendent Civil Engineer, Road Branch, Public Works Department)</p>	<p><b>Invited Speaker 5</b></p> <p>Climate Change: We Need to be Prepared</p> <p><b>Speaker:</b></p> <p><i>Ir. Edayu binti Salleh @ Aman</i> (Director, Geotechnical Engineering Branch, Public Works Department)</p>	<p><b>Invited Speaker 6</b></p> <p>Ground Settlement and Marine Clay Conditions: Investigating Structural Failures in Buildings</p> <p><b>Speaker:</b></p> <p><i>Ir. Ts. Hj. Mohd Sofian bin Hj. Abdullah</i> (Director, KEZO Consult Sdn. Bhd.)</p>



11:00 – 11:15	<p><b>Paper ID: 11</b></p> <p>Exploring Asphalt Ageing: Evaluating Waste Cooking Oil as Asphalt Binder Rejuvenator</p>	<p><b>Paper ID: 27</b></p> <p>Reinforced soil wall application with flexible facing in Malaysia</p>	<p><b>Paper ID: 30</b></p> <p>Durability Performance of Lime-Laterite Stabilised Soil Towards Malaysia Tropical Weather</p>
11:15 – 11:30	<p><b>Paper ID: 12</b></p> <p>Promoting Sustainability in Asphalt Pavement: Rejuvenation of Recycled Materials with Waste Engine Oil</p>	<p><b>Paper ID: 28</b></p> <p>Comparative Prediction of Tunnel Surrounding Rock Stress Evaluation Based on Bp Neural Network</p>	<p><b>Paper ID: 44</b></p> <p>Strategies for repeating seismic acquisition in onshore congested oil fields</p>
11:30 – 11:45	<p><b>Paper ID: 50</b></p> <p>Potential of a Self-Healing Mechanism in Road Applications Incorporating Ureolytic Bacteria for a Sustainable Mixture</p>	<p><b>Paper ID: 29</b></p> <p>Tunnel-Ground-Building Behaviour Due to Train Movements</p>	<p><b>Paper ID: 71</b></p> <p>Effects of Gypsum and Vermicompost on Aggregate Stability of Bauxite against Liquefaction</p>
11:45 – 12:00	<p><b>Paper ID: 39</b></p> <p>Application of Coal Bottom Ash as a Sustainable Waste Material in Warm Mix Asphalt Concrete Containing Zy-cotherm-SP2 – A Review</p>	<p><b>Paper ID: 40</b></p> <p>Water field distribution characteristics and deformation analysis of coupling fluid-solid based on the finite element method</p>	<p><b>Paper ID: 41</b></p> <p>Sustainability in geotechnical engineering: A Bibliometric Analysis</p>

12:00 – 12:15	<b>Paper ID: 69</b> Mechanical Properties of Asphalt Mixture Containing Nano Clay with Styrene- Butadiene-Rubber (SBR)	<b>Paper ID: 45</b> Preliminary Investigation of Wetting Front Response in Slope Due to Tropical Rainfall Patterns	<b>Paper ID: 46</b> Digital Transformation Based on BIM in Civil Engineering: A Bibliometric Analysis
12:15 – 12:30	<b>Paper ID: 60</b> Traffic Flow Mechanisms and Congestion Characteristics on the Keffi/Abuja Motorway	-	-
12:30 – 14:00	<b>Lunch Break</b>		

PARALLEL SESSION 3				
	ICHITRA	GEOTROPIKA		
	<b>Room A (Pacific Ballroom)</b>  <b>Chairperson:</b> Dr. Nordiana binti Mashros  <b>Assistant:</b> Ts. Dr. Mohd Khairul  Idham bin Mohd Satar	<b>Room B (Kenanga)</b>  <b>Chairperson:</b> Dr. Dayang Zulaika binti Abang Hasbollah  <b>Assistant:</b> Ts. Dr. Muhammad Farhan bin Zolkepli	<b>Room C (Melor)</b>  <b>Chairperson:</b> Dr. Khairun Nissa binti Mat Said  <b>Assistant:</b> Dr. Ahmad Razali bin Yusoff	
14:00 – 14:30	<b>Invited Speaker 7</b>  Advanced Geotextiles for Climate-Resilient Pavements  <b>Speaker: Mr. Tan Jun Yuen</b>  <b>(Technical Services Assistant Manager, Solmax Geosynthetics Sdn. Bhd.)</b>	14:00 – 14:30	<b>Invited Speaker 8</b>  Soil Nailing as Slope Stabilisation  Measures for Slope Failure at Access Road to Fraser Hill  <b>Speaker: Ir. Hajjah Raftah binti Mahfar</b>  <b>(Director, SCG Consultants Sdn. Bhd.)</b>	<b>Invited Speaker 10</b>  Finite Element Modelling Adoption for Assessment of Adjacent Structure Impact: Case Histories of Deep Excavations for MRT Development in Klang Valley  <b>Speaker: Ir. Frankie Cheah Peng Leong</b>  <b>(Technical Director - Transportation, AECOM Perunding Sdn. Bhd.)</b>

<p>14:30 – 14:45</p>	<p><b>Paper ID: 53</b> Analysis of Palm Oil Fuel Ash, Garnet Waste and Sawdust as Modified Asphalt Binders and Mixtures</p>	<p>14:30 – 15:00</p>	<p><b>Invited Speaker 9</b> Geotechnical Challenges and Solution in Urban Transit and Transportation Infrastructure Projects <b>Speaker: Ir. Ts. Syahmizzi Ifwat bin Azharnim</b> (Manager, Geotechnical Division, Minconsult Sdn. Bhd.)</p>	<p><b>Invited Speaker 11</b> Application of Geomechanics in Oil and Gas Industry <b>Speaker: Nur Ailie Sofyiana binti Serasa</b> (Technical Director, Geomechanic Resources)</p>
<p>14:45 – 15:00</p>	<p><b>Paper ID: 68</b> The Performance of Warm Mix Asphalt Using Waste Cooking Oil as an Additive</p>	<p>15:00 – 15:15</p>	<p><b>Paper ID: 73</b> Hybrid Diagnostic Framework for Structural Health Assessment of Highway Tunnel Linings</p>	<p><b>Paper ID: 43</b> Advanced Slope Mapping and Assessment Using UAV</p>
<p>15:00 – 15:15</p>	<p><b>Paper ID: 67</b> Utilization of Precast Concrete Waste as Fine Aggregate Replacement in Asphaltic Concrete</p>	<p>15:15 – 15:30</p>	<p><b>Paper ID: 20</b> Field Observations of Building Responses in Negative Face Loss Tunnelling Environments</p>	<p><b>Paper ID: 52</b> Characterizations of Marine Clay in the Northern West Coast Region of Malaysia</p>

<p>15:15 – 15:30</p>	<p><b>Paper ID: 33</b> Assessing the Vulnerability of Communities along Encroached Highway Setbacks to Traffic Noise effects in Nigeria</p>	<p>15:30 – 15:45</p>	<p><b>Paper ID: 74</b> A Study on the Particle Size Distribution of Sand: Sieve Analysis and Laser Diffraction Method</p>	<p><b>Paper ID: 51</b> NDT in Civil Engineering: Advancing Crack Analysis and Maintenance Strategies in Highway Tunnels</p>
<p>15:30 – 15:45</p>	<p><b>Paper ID: 66</b> Determinants of Actual Usage of BIM in the Construction Industry in Sabah</p>	<p>15:45 – 16:00</p>	<p><b>Paper ID: 63</b> Slope Design and Hillside Development Guidelines in Malaysia: The History and Contents</p>	<p>-</p>
<p>16:00 – 16:15</p> <p style="text-align: center;"><b>Tea break</b></p>				
<p>16:15 – 17:00</p>	<p style="text-align: center;"><b>Closing Ceremony (Room: Pacific Ballroom)</b></p> <p style="text-align: center;"><b>Closing Montage Best Paper &amp; Presenter Awards</b></p> <p style="text-align: center;"><b>Closing Speech by <i>Ts Dr Azman Mohamed</i> (Chairman of GEOCHITRA 2024 – 3<sup>rd</sup> ICHITRA)</b></p> <p style="text-align: center;"><b>Singing <i>Keunggulan Terbilang</i></b></p> <p style="text-align: center;"><b>Photo Session</b></p>			
<p style="text-align: center;"><b>End of Day 2</b></p>				