

Day 1 (3 October 2022)				
09:00 AM	Welcoming Remarks & Opening Ceremony			
09:15 AM	Keynote Address 1 (Dato' Ir Sabri Abdul Mulok)			
10:00 AM	Keynote Address 2 (Prof Sr Dr Anuar Ahmad)			
10:45 AM	Keynote Address 3 (Assoc Prof Dr Airil Yasreen Mohd Yassin)			
11:30 AM	Keynote Address 4 (Assoc Prof Dr Johannes Widodo)			
12:15 PM	Break			
Parellel Technical Sessions 1				
Time	ICSIE	ISUCOS	ICSEWR	ICOSHBE
2:00 PM	010-003	040-031	015-002	005-001
	003-006	008-026	029-023	019-014
	018-013	057-046	016-032	024-016
	027-017	046-040	049-036	026-022
	030-018	043-033	024-013	031-024
3:15 PM	Break			
Parellel Technical Sessions 2				
Time	ICSIE	ISUCOS	ICSEWR	ICOSHBE
3:30 PM	017-011	023-016	050-037	011-007
	020-021	047-041	030-016	001-008
	036-025	036-027	032-017	034-026
	038-029	045-035	021-020	032-027
	033-030	035-036	039-024	035-028
	032-033	033-023	026-010	033-025
5:00 PM	End of Day 1			

Day 2 (4 October 2022)				
Parellel Technical Sessions 3				
Time	ICSIE	ISUCOS	ICSEWR	ICOSHBE
09:00 AM	007-022	003-003	033-021	007-004
	029-026	015-006	040-022	009-005
	025-027	022-015	042-026	014-011
	019-032	028-022	042-033	016-012
	041-041	012-039	046-034	021-015
	044-043	005-002	053-041	022-017
	042-042	037-028	055-040	020-018
		026-045	054-039	
11:00 AM	Break			
Parellel Technical Sessions 4				
Time	ICSIE	ISUCOS	ICSEWR	ICOSHBE
11:15 AM	014-007	013-004	038-029	003-002
	013-010	016-009	010-030	003-003
	011-004	016-010	048-035	012-009
	026-016	011-013	003-004	015-013
	034-023	011-014	005-006	027-019
	040-034	049-043	025-009	028-020
	031-020	032-037	035-015	029-021
1:00 PM	Break			
Parellel Technical Sessions 5				
Time	ICSIE	ISUCOS (a)	ICSEWR	ISUCOS (b)
2:00 PM	005-002	042-042	011-001	038-029
	039-035	017-007	013-003	039-030
	035-024	017-011	017-005	030-032
	037-028	018-012	031-012	058-047
	021-014	018-025	014-011	059-048
			022-008	

Note:

a. The 6-digit code indicates the Paper ID.

- b. Scroll down for full details of the Paper Title and Author.
- c. Each presentation slot is 15 minutes long (inclusive of Q&A).
- d. Presentations will be conducted online using Zoom and/or Google Meet.

3:15 PM	Break			
<b>Parallel Technical Sessions 6</b>				
Time	<b>ICSIE</b>	<b>ISUCOS</b>	<b>ICSEWR</b>	<b>ICOSHBE</b>
3:30 PM		004-001	037-018	
		001-005	036-019	
		020-017	041-025	
		019-019	043-027	
		025-020	044-028	
		051-044	045-031	
5:00 PM	End of Day 2			

DAY ONE		
<b>ICSIE</b>	<b>Date: 3 October 2022</b> <b>Time: 2:00 PM - 3:15 PM</b> <b>Session Chair: Dr. Mohd Khaidir Abu Talib</b> <b>Zoom ID: 974 4038 1008 Password: iscee2022</b>	
PAPER ID	PAPER TITLE	AUTHORS
010-003	Compressibility Characteristics of Collapsible Gypseous Soil : A Review	Saif M. Hassan Al-Riahi, Nur Irfah Mohd Pauzi, Mohammed Y. Fattah
003-006	Determination of Non-Linear Shear Strength and Volume Changes on Remoulded Granitic Residual Soil Due to Membrane Penetration	Muhammad Hafeez Osman, Aniza Albar and Joe Davylyn Nyuin
018-013	Determination of Silt and Clay Soil Particle Distribution using New Silt-Clay Separation Quick Method	Anas Ibrahim, Badrul Nizam Ismail, Umi Kalsom Abdul Razak, Muhammad Hafeez Osman, Nor Azliza Akbar and Mohd Jumain Jalil
027-017	Unconfined compressive strength assessment of stabilized marine soil with cockle shell powder as sustainable material on subgrade pavement	M H K Rahman, M Md Nujid, J Idrus, D A Tholibon and N F Bawadi
030-018	Peat Soil Improvement by Using Cement and Quarry Dust	Nur Latifah Jumien, Mohd Khaidir Abu Talib, Mohammad Nasrul Mohd Yusoff and Norhaliza Wahab

DAY ONE		
<b>ICSIE</b>	<b>Date:</b>	<b>3 October 2022</b>
	<b>Time:</b>	<b>3:30 PM - 5:00 PM</b>
	<b>Session Chair:</b>	<b>Dr. Zaihasra Abu Talib</b>
	<b>Zoom ID:</b>	<b>974 4038 1008      Password: iscee2022</b>
PAPER ID	PAPER TITLE	AUTHORS
017-011	Small Scale Field Blast Test of Protective Soil Barrier Subjected to Surface Burst	Jestin Jelani, Mohd Zaid Othman; Ahmad Mujahid Ahmad Zaidi; Siti Khadijah Che Osmi ; Suriadi Sojipto
020-021	Seroja Tropical Cyclon Destruction Case Study : Permanent Slope Protection Evaluation at Downstream of Rotiklot Dam Nomenclature Building, East Nusa Tenggara, Indonesia	Muhammad Satya Himawan Danuartha and Thomas Triadi Putranto
036-025	Stabilise Soil Strength and Consolidation Index Parameters of Clayey Soil Using Scrap Rubber Tire	A T Nazaruddin, M S Shakri, M A Ladin, M A Hafez, N F Abd Rahman, M Mohammad
038-029	Soil Stabilisation for Laying Road Foundations: Way Forward with Organic Soil Treatment	Wei-An Chong, Chee-Ming Chan, Salina Sani, Noor Khazanah A Rahman, and Nur Faezah Yahya
033-030	Empirical Correlation of Uniaxial Compressive and Shear Strength of Jointed Granitic Rock	A Ibrahim, M K A Ismail and Z Sapawi
032-033	Simulation Of 2D Ground Movement Due to Tunnel Excavation Using Finite Element Method (FEM)	Bong Jia Yian, Zaihasra Abu Talib

DAY ONE		
<b>ISUCOS</b>	<b>Date:</b>	<b>3 October 2022</b>
	<b>Time:</b>	<b>2:00 PM - 3:15 PM</b>
	<b>Session Chair:</b>	<b>Associate Prof. Ir. Dr. Shahrul Niza bin Mokhatar</b>
	<b>GM Link:</b>	<b><a href="https://meet.google.com/nnf-purp-bsz">meet.google.com/nnf-purp-bsz</a></b>
PAPER ID	PAPER TITLE	AUTHORS
040-031	Sustainable construction material: Ultra-high performance fiber reinforced concrete (UHPFRC) beam superstructure for railway bridges in Malaysia	M M H Meor Hussein, M H Osman and R Abd Rahman
008-026	Determination of Basic Wind Speed for the Design of Buildings in Cambodia	Lin Chanthorn, Chhin Rattana; Han Virak; Doung Piseth

057-046	Walking Test on Glulam-Concrete Composite Floor	N H Abd Ghafar, H Mohd Ikhsan, NZ Abd Aziz, D Yeoh, HB Koh and T N Tuan Chik
046-040	The Effect of Layer Thickness on Stress Ratio and Fatigue Service Life of Plain Concrete Slab Track Structure	E I N S P J D S Pasadena, W Barasa, H I Prabawa, T Fiantika, W A N Aspar, S P Primadiyanti, A B Waseso, B Piscesa, D A Purnomo
043-033	Strength Performance of Reinforced Concrete Beam Containing Waste Tire Rubber and Local Waste Material	Shahrul Niza Mokhatar and Nur Anis Najwa Abdul Mutalib

## DAY ONE

## ISUCOS

**Date:** 3 October 2022  
**Time:** 3:30 PM - 5:00 PM  
**Session Chair:** Ts. Dr. Nor Haslinda Abas  
**GM Link:** [meet.google.com/nnf-purp-bsz](https://meet.google.com/nnf-purp-bsz)

PAPER ID	PAPER TITLE	AUTHORS
023-016	Identification of Fall Event and Classification of the Factors Causing Fall from Height Accidents in the Construction Industry	Noratira Abd Samad, Muhammad Fikri Hasmori, Radzi Ismail
047-041	The relationship framework of factors and its impacts on abandonment housing project in Malaysia	S N A Zuhairi, R Zainal and S M S Musa
036-027	Ranking the critical causes of accidents in construction projects of Sindh: Perspective of safety professionals	M H Memon, N H Abas and S Sohu
045-035	Reluctance to Change: Key Factors of Foreign Labours' Safety Non-Compliance Behaviours	Azreen Ariff Zulkeflee, Nasruddin Faisal, Faridah Ismail, Noor Akmal Adillah Ismail
035-036	Sustainable Facilities Management in Malaysia: Adoption Challenges and the Way-forward for Improvements	Farzaneh Moayed, Mustafa Klufallah, Bruno Tanko, Fikri Hasmori and Simon Khit
033-023	Causal Factor Analysis of Fatal Accidents in Johor Construction Industries based on Korean Occupational Safety and Health Agency Classification	S N A Syed Zakaria, N H A Abas, N H Mohd Ta'at and N A Abas

## DAY ONE

## ICSEWR

**Date:** 3 October 2022  
**Time:** 2:00 PM - 3:15 PM  
**Session Chair:** Dr. Hartini Kasmin

GM Link: <a href="https://meet.google.com/rnc-yhoj-coi">https://meet.google.com/rnc-yhoj-coi</a>		
PAPER ID	PAPER TITLE	AUTHORS
015-002	Development of Success Factor Recycling Model (SFRM) Contributing to Construction Waste Recycling in Malaysian Construction Industry: A Preliminary Study	Noor Fazierah Yaakub and Sasitharan Nagapan
029-023	Determining environmental ethics, personal norm, knowledge and waste separation behavior among households	Syukrie Mohd Nasir, Haryati Shafii and Azlina Md Yassin
016-032	A study on household food waste management and composting practice	N N H N Amiruddin, N A Rozamri, F Baharudin, and I N Mohamad
049-036	Assessing the Knowledge, Attitude and Practice Among UTHM Community Towards Scheduled Waste Management in UTHM	Najib Ramli, Choi Xiang Lei, Nor Haslina Hashim and Muhammad Fadhli Hakim
024-013	Biohydrogen Production from Kitchen Organic Waste Via Effective Pre-Treatment Process of Dark Fermentation	F K A Jais, S H A Hassan, M F M A Zamri, M F Zulkornain and A H Shamsuddin

DAY ONE		
<b>ICSEWR</b>	<b>Date:</b> 3 October 2022	
	<b>Time:</b> 3:30 PM - 5:00 PM	
	<b>Session Chair:</b> Dr. Nor Amani Filzah Mohd Kamil	
	<b>GM Link:</b> <a href="https://meet.google.com/rnc-yhoj-coi">https://meet.google.com/rnc-yhoj-coi</a>	
PAPER ID	PAPER TITLE	AUTHORS
050-037	Recovery of Biogas from Food Waste Using Treated and Untreated Anaerobic Digestion	Newati Wid and Norsazrina Raudin
030-016	Investigation of Ammonia Nitrogen and Phosphorus Concentration at Parit Rasipan Drainage System	R Hamdan, M S Miswan and N L Salim, N A A Aziz, Z Siddiqui
032-017	Evaluation Lead Removal Kinetics Modelling of Adsorption by Using Composite of Chitosan and Ceramic Waste	Siti Asmah Bakar, Hussein Saed Geedi, Mohd Hairul Khamidun, Radin Maya Saphira Radin Mohamed, Mohammad Faizal Che Daud, Umi Fazara Md Ali
021-020	The Properties of Natural Luffa Sponge (NLS) as A Filter Media of Wastewater: Review	Noor Aliza Ahmad, M.N Shamsudin, Zarina Md Ali and Hartini Kasmin
039-024	Mineral carbonation for carbon dioxide capture and storage using mining waste as feedstock material	V L M Molahid, F M Kusin and M H Soomro
026-010	Bioremediation of Fibreboard Sludge by Using Bacteria and Fungi	Intan Nursyazwani Makmar Kadapi and Nor Amani Filzah Mohd Kamil

DAY ONE		
<b>ICOSHBE</b>	<b>Date:</b>	<b>3 October 2022</b>
	<b>Time:</b>	<b>2:00 PM - 3:15 PM</b>
	<b>Session Chair:</b>	<b>Dr. Tong Yean Ghing</b>
	<b>GM Link:</b>	<a href="https://meet.google.com/evk-axer-ukh">meet.google.com/evk-axer-ukh</a>
PAPER ID	PAPER TITLE	AUTHORS
005-001	Indoor level of BTEX and health risk assessment at science laboratories in a university	H H A Hamid, M S M Nadzir, K E Lee, A Ayatillah, M T Latif, M Othman
019-014	Strategies for Enhancing the use of Building Information Modelling (BIM) in the Construction Industry	A. D. Rafindadi, I. Othman, N. Shafiq, H. Alarifi, A. A. Wanees and A. Ibrahim
024-016	The Key Uncertainty Factors On the Readiness for Implementation of Building Information Modelling (BIM) in Interior Design Firms	Abu Bakar Abd Hamid, M D Ismail; M R Embi
026-022	Conventional Domestic Small-Scale Rainwater Harvesting System: A SWOT Analysis	M F Mostaffa, H M Noh and S M S Musa
031-024	Assessment of Urban Noise in School Environments – Case Study in Batu Pahat, Johor	Y G Tong, N Abas, S J S Hakim, U S James and U Ewon

DAY ONE		
<b>ICOSHBE</b>	<b>Date:</b>	<b>3 October 2022</b>
	<b>Time:</b>	<b>3:30 PM - 5:00 PM</b>
	<b>Session Chair:</b>	<b>Dr. Azmal Sabil</b>
	<b>GM Link:</b>	<a href="https://meet.google.com/evk-axer-ukh">meet.google.com/evk-axer-ukh</a>
PAPER ID	PAPER TITLE	AUTHORS
011-007	Application of Intelligent Buildings (IBs) Characteristics to Improve the Performance of Office Buildings in Yemen	E A Al-awag, I A Wahab, F M Al-waraki and F Abass
001-008	Thermal Response in Architecture: Case Study in Malaysia (Residential)	Nurhayati Zulkeply, Seri Intan Md Sidik and Chan Chiew Chuen
034-026	Effects of Natural Ventilation on Indoor Thermal Comfort in a Residential House Constructed with Reinforced Concrete Wall	X Y Choong, M A Zakaria, M N Yasin, M H Hanipah, L Y L Alexson and Y H Lee
032-027	Designing for Homeless in Kuala Lumpur: Concepts and Case Studies	Nadiyah Noor Hisham, Nor Dina Md Amin

035-028	Sustainable Living: Alternative Green Structure Module Design for Home Self-Food Production	Nasrul Arif Ahmad Mahmud, Azmal Sabil; Suhailah M. Mohd Siraj; Nadiyah Noor Hisham; Nor Azizah Adnan
033-025	The Contribution of Non-Malay Architects to the Development of National Architecture Identity in Malaysia	A Bahari, A Sabil and A M H Hamzah

## DAY TWO

<b>ICSIE</b>	<b>Date:</b> 4 October 2022		
	<b>Time:</b> 9:00 AM - 11:00 AM		
	<b>Session Chair:</b> Dr. Nurul Hidayah Mohd Kamaruddin		
	<b>Zoom ID:</b> 974 4038 1008 <b>Password:</b> iscee2022		
PAPER ID	PAPER TITLE	AUTHORS	
007-022	Evaluation of Warm Mix Crumb Rubber Modified Asphalt Mixture (WCRMA) on Resisting Permanent Deformation	Nur Najwa Rasidin, Rosnawati Buhari	
029-026	Microstructural Investigation of Modified Asphalt Binder with Differing Fly Ash Geopolymer Contents	H Bujang, M Y Aman and M N M Taher	
025-027	Stiffness Evaluation of Forta Fibre Reinforced Asphalt Concrete (FRAC) Mixture Under Different Pulse Repetition Load	M. N. M Taher, M. Y. Aman, H. Bujang and H. Rusli	
019-032	The Effects of Coconut Shell Ash Admixed with Lime in Variation to Curing Time for Road Construction	R. Ramli, M. H. A. Masari, J. Idrus, S. Mansor and A. Albar	
041-041	The Evaluation of Crumb Rubber as a Filler in Asphalt Mixture to Against Moisture Sensitivity	M Y Aman, M N M Taher, Z Shahadan, M M Rohani, D B Daniel, H Bujang, N Ahmad Termida, T N Arumugam	
044-043	Performance of Coconut Fiber as Bitumen Modifier in Asphalt Mixture Influence to Fatigue Resistance	Azril Zafran Zulkafli, Khairul Nizam Mohd Yunus; Nurul Hidayah Mohd Kamaruddin; H.F. Suhandri	
042-042	Temperature Susceptibility of Palm Oil Mill Sludge Modified Binder	Nurul Atiqah Sharulnizam, N H M Kamaruddin; A Poharan; K N M Yunus; E Jusli; M E Abdullah	

## DAY TWO

<b>ICSIE</b>	<b>Date:</b> 4 October 2022		
	<b>Time:</b> 11:15 AM - 1:00 PM		
	<b>Session Chair:</b> Dr. Nursitihazlin Ahmad Termida		

Zoom ID: 974 4038 1008 Password: iscee2022		
PAPER ID	PAPER TITLE	AUTHORS
014-007	The Effect of Street Design on Speed of Vehicles along Urban Residential Streets in Johor	Saidathul Ummah Abd Rahim, Basil David Daniel
013-010	Study on the Potential Impact of Motorcycle Ride Hailing Service Adoption on Greenhouse Gas Emission in Land Transport Sector in Malaysia	Muhammad Saifuddin Bin Mohamed Rehan
011-004	Heavy Goods Vehicle (HGV) Accident Study: A Review of Methodologies	N I Zainuddin, A K Arshad, N E Kordi, R Hamidun and W Hashim
026-016	Accident Severity Analysis on Malaysian Highway using Binomial Logistic Regression	Sudesh Nair Baskara, Haryati Yaacob, Sitti Asmah Hassan, Mohd Rosli Hainin and Mohd Shahrir Amin Ahmad
034-023	Perception of Motorcyclists on Safe Riding in Kota Kinabalu	M I Saibin, H Yaacob, S A Hassan, A Mohamed, S N N Kamarudin, R P Jaya, Z H Al-Safar and E Shaffie
040-034	Analysis on Car Driver's Speed at Federal Route FT050	N Omar, R Omar and I Ismail
031-020	Towards Sustainable Development in Road Safety: Assessing Public Awareness on Basic Road Traffic Practices in Batu Pahat, Johor	Amirul Naquiddin Tukirin and Nursitihazlin Ahmad Termida

## DAY TWO

DAY TWO		
PAPER ID	PAPER TITLE	AUTHORS
005-002	Sustainable Navigation Approach: Efficacy assessment of the Constant Radius Turn technique in calculating wheel over point using a ship simulator	Amir Syawal Kamis, Ahmad Faizal Ahmad Fuad, Aime Qamarina Anwar
039-035	Analysis of Public Facility (Petrol Pump Station) Localization By using Geographic Information System (GIS). Case Study: Ayer Hitam - Batu Pahat, Johor	Hendy Fitrihan Suhandri and Nur Farhana Nozlan
035-024	The Impact of Implementing Green Elements on the Toll Roads of Indonesia	Rahmat, Mairizal, Muhd Zaimi Abd Majid and Shek Poi Ngian
037-028	The selection of PPP scheme through value for money analysis in Sekupang – Batam Centre Corridor: a case study of Batam City's autonomous railway transit project	D.A.Purnomo, D.P. Upahita, D.P. Utomo, A.B. Waseso, T. Fiantika, Sucipto, Yulianta, M.M. Sampetoding, Triyanto, K. Ismoyo, and Ajidarmo



021-014	The Influence of Fuel Pricing on the Mode of Transportation of Travellers in Rural Areas	H Zakaria, M M Rohani; N F L Rahimi; N I R Rahimi
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## DAY TWO

## ISUCOS

**Date:** 4 October 2022  
**Time:** 9:00 AM - 11:00 AM  
**Session Chair:** Dr. Junaidah Jailani  
**GM Link:** [meet.google.com/nnf-purp-bsz](https://meet.google.com/nnf-purp-bsz)

PAPER ID	PAPER TITLE	AUTHORS
003-003	The Contribution of Green Building in Reducing the Carbon Footprint and Attaining SDG 13	F H Ahram and Sh A Syed Zakaria
015-006	Readiness of Malaysia's Construction Industry in Adopting Green Building Rating Tools	R Razman, S T Khaw, N I F Md Noh and J L Ng, A Z Abd Wahid and M N Yasin
022-015	Energy transitioning school buildings in peninsula Malaysia: A case study on the potential of photovoltaic power	N M Alwi, J-F Flor, N H Anuar, N N H Hanafi, N H Muhammad, M H K M Zain and M R M Nasir
028-022	The benefits and application of Green Concrete towards Sustainable Built Environment	Nik Fatma Arisya Nik Yahya, Noorhidayah Sunarti, Loh Ja Hin, Mazura Mahdzir and Nik Norzahariah Ashikin N. Mohamed
012-039	Deployment of Renewable Power: Review of Alternative Energy in Malaysia for Energy-Efficient Building	Salmiah Aziz, W Omar Ali Saifuddin Wan Ismail, Khairul Rijal Wagiman, Siti Nuratirah Binti Che Mohd Nasir, Aryan Anwar Ismail, Noorul Huda Muhammad Razali and Mohammed Fadzli Maharimi
005-002	Recycled Waste of Construction Industry in Malaysia: A Review	Jin Chai Lee, Wijaya Hansen Thedy; Jing Lin Ng; Samuel Lee
037-028	Construction and Demolition Waste Generation in Kuwait	Mohammed Baqer Hasan Almusawi, Ahmad Tarmizi Abd Karim and Saleem Ethaib
026-045	Sustainable Waste Management Practices for Construction Waste Prevention	Nurulzatushima Abdul Karim

## DAY TWO

## ISUCOS

**Date:** 4 October 2022  
**Time:** 11:15 AM - 1:00 PM

<b>ISUCOS</b>		
<b>Session Chair: Dr. Tuan Norhayati Tuan Chik</b> <b>GM Link: <a href="https://meet.google.com/nnf-purp-bsz">meet.google.com/nnf-purp-bsz</a></b>		
PAPER ID	PAPER TITLE	AUTHORS
013-004	Influence of distance between the first sensor and support in determining tension of fixed-end cable using multiple synchronized vibration measurement	Muhammad Ibnu Syamsi, Chung-Yue Wang and Van-Son Nguyen
016-009	Nonlinear Dynamic Response of Isolated Base Reinforced Concrete Buildings Having Different Storey Numbers	Halla Jasem Mohamad and Mohamad Najim Mahmood
016-010	Effect of Modeling Method of the Infill Panels on the Nonlinear Dynamic Response of Reinforced Concrete Frame	M N Mohammad, H J Mohamad; Mohamad Najim Mahmood
011-013	Viscoelastic Damper for Vibration Mitigation of Footbridges	Abbas Ali Alhasan, Mohammadreza Vafaei, Sophia C. Alih, Tang Wei Jian
011-014	Use Of Silicon Rubber as A Viscoelastic Material in Dampers	Abbas Ali Alhasan, Mohammadreza Vafaei, Sophia C. Alih
049-043	Application and Development of Artificial Neural Networks to Predict Structural Damage subjected to Earthquake	S.J.S. Hakim, D. Panguot, AF Kamarudin, T.N.T. Chik, N.H.A. Ghafar, N.A. Yusoff, Y.G. Tong
032-037	Rapid Visual Assessment of Crack on Residential Building	Tuan Norhayati Tuan Chik, A. A. M. Jalil, N A Yusoff, S J S Hakim And N H A Ghafar

<b>DAY TWO</b>		
<b>ISUCOS (a)</b>		
<b>Date: 4 October 2022</b> <b>Time: 2:00 PM - 3:15 PM</b> <b>Session Chair: Dr. Noorwirdawati Ali</b> <b>GM Link: <a href="https://meet.google.com/nnf-purp-bsz">meet.google.com/nnf-purp-bsz</a></b>		
PAPER ID	PAPER TITLE	AUTHORS
042-042	Fresh Properties and Flexural Strength of 3D printing concrete Containing GGBS as Partial Cement Replacement	Nurul Farhana Rahmat, Noorwirdawati Ali, Abdul Aziz Abdul Samad, Siti Radziah Abdullah, Noor Azlina Abdul Hamid, Norhafizah Salleh, Shahiron Shahidan
017-007	Effect of palm oil fuel ash on some durability properties of concrete	H M Hamada, A A Al-Attar and F M Yahaya
017-011	Effect of fly ash on the strength of geopolymer concrete: A comprehensive review	H M Hamada, A A Al-Attar and F M Yahaya
018-012	Properties of Cement Bricks Containing Sago Fine Waste (SFW) With Different Water-Cement Ratio	A W Norhayati, A Suraya Hani, I Abdul Hadi Izaan, M Mazizah Ezdiani, O. Mohamad Hairi, J. Zalipah, A.H.Noor Azlina, S. Shahiron

018-025	Utilization of Sago Fine Waste (SFW) as a New Material In Process Of Manufactured Cement Brick	A W Norhayati, A Suraya Hani, M Mazizah Ezdiani, and I Abdul Hadi Izaan
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DAY TWO		
<b>ISUCOS</b>	<b>Date:</b>	<b>4 October 2022</b>
	<b>Time:</b>	<b>3:30 PM - 5:00 PM</b>
	<b>Session Chair:</b>	<b>Dr. Nurazuwa Md Noor</b>
	<b>GM Link:</b>	<a href="https://meet.google.com/nnf-purp-bsz">meet.google.com/nnf-purp-bsz</a>
PAPER ID	PAPER TITLE	AUTHORS
004-001	Development of Graphene Oxide/Polyethylene to Enhance Mechanical Properties Through Melt Mixing Technique	M A Yusof, N H Nor Rahman, I Izirwan, M S Z Mat Desa and N F Ab Ghani
001-005	Effect of Graphene Oxide on Compressive Strength of Shale Ceramsite High Strength Lightweight Aggregate Concrete	Xiaojiang Hong, Jin Chai Lee, May Yen Chu, Qiansha Li and Xiaoli Daze
020-017	Alternative Mix Design Model of Pervious Concrete Using Response Surface Methodology (RSM)	Daliah Hasan
019-019	Combination of Rice Husk Ash (RHA) and Sewage Sludge Ash (SSA) as Sustainable Replacement Material for Cement in Concrete	Nuraini T, Hidayati MD, Siti Rahimah R, Juzailah Nur Y and Mohd Fazli A
025-020	Tensile Properties of Slag-Based Engineered Cementitious Composites with Ground Granulated Blast Slag	Y Ismail, S W Lee, C L Oh, M R Md Zain and N A Yahya
051-044	Feasibility study of metakaolin and coal bottom ash (CBA) as cement and sand replacement in seawater-mixed concrete	Chong Lee Yeng, Nurazuwa Md Noor, Nur Anis Natasya Che Rahim, Mohd Hanif Ismail and Inamullah Inam

DAY TWO		
<b>ICSEWR</b>	<b>Date:</b>	<b>4 October 2022</b>
	<b>Time:</b>	<b>9:00 AM - 11:00 AM</b>
	<b>Session Chair:</b>	<b>Dr. Muhammad Salleh Abustan</b>
	<b>GM Link:</b>	<a href="https://meet.google.com/rnc-yhoj-coi">https://meet.google.com/rnc-yhoj-coi</a>
PAPER ID	PAPER TITLE	AUTHORS
033-021	Discrepancies in Estimated Flood Losses on Paddy Production: Application of Damage Models on Historical Flood Records of the Northwest States of Peninsular Malaysia	B. M. Rehan and Yiwen Mok

040-022	Sustainable Geo-Spatial Conservation Management System for The Critically Endangered Betta Persephone in Ayer Hitam Peat Swamp Forest Reserve Muar Johor	Nazirah Mohamad Abdullah, Saifullizan Mohd Bukari and Izyan Hakimah Kamar Supardi
042-026	Evaluation of Mangroves Effectiveness in Strengthening Coastal Bund using Geophysical Method (Non-Destructive Testing) at Tanjong Laboh, Batu Pahat, Johor	M A M Razi, S N Rahmat, M H Jamal, M F T Baharuddin, H S H Sany and N D Anuar
042-033	Flood Modeling at Bandar Batu Pahat, Johor Using HEC-RAS Software	M A M Razi, M S Adnan, M S H Abustan, M H A Uma, N D Anuar and M H Jamal
046-034	An Alternative Flood Measurement Approach: Flood Meter	M S M Osman, A I S Rizal, A Z W A Zaini, M A A Kadir and M Kaamin
053-041	Shoreline condition and protection at the coast of Kedah, Malaysia: A case study	Wan Afnizan Wan Mohamed
055-040	Sediment Erosion and Yield Analysis at the coast of Kedah and Langkawi, Malaysia: A case Study	Mohd Azlan Mohd Yusoff, Mohd Adib Mohammad Razi; Zainalfikry Daud; Engku Ahmad Khalil Azhar; Mohd Shahrulnizam Mat Rani; Adel Al-Gheethi
054-039	Legal and institutional assessment at Kedah's shoreline, Malaysia: A report study	Muhammad Salleh Abustan, Mohd Adib Mohammad Razi; Mahran Mahamud; Mastura Maarrof; Yusrizalwati MY; Norshahida Iberahim; Adel Al-Gheethi

## DAY TWO

## ICSEWR

**Date:** 4 October 2022  
**Time:** 11:15 AM - 1:00 PM  
**Session Chair:** Dr. Nur Shaylinda Mohd Zin  
**GM Link:** <https://meet.google.com/rnc-yhoj-coi>

PAPER ID	PAPER TITLE	AUTHORS
038-029	Trend and Characteristics of Rainfall Distribution in Pahang, Malaysia	Z M Ali, S N Abd Rahman, L W Tan and N A Ahmad
010-030	Evaporation Rate for Covered and Uncovered Condition. Case Study: UiTM Shah Alam	Intan Zulaikha Daud, Zaizatul Zafflina Mohd Zaki, Irma Noorazurah Mohammad, Fauzi Baharudin
048-035	Preliminary Study on Saltwater Distribution of Lowland Area at West Coast, Johor Malaysia	Nor Suhaila Ismail and Sabariah Musa
003-004	One-dimensional Dam Breach Hydraulic Simulation of Palasari Dam	Muhammad Wayassirli Amri and Pradipta Nandi Wardhana
005-006	Active Cooling System for Solar Panels with Silver Nanofluid and Water	S Deivakumaran, Y L Chua and Y Y Koh
025-009	Analysis of Hydrodynamic Forces on Freestanding Riser with Buoyancy Can	Praise Earnest, Ahmad Mahamad Al-Yacouby, Ehsan NikBakht Jarghouyeh

035-015	Potential Dam Hazard and Qualitative Analysis on Critical Dam Selection in Malaysia	S I N S Hashim, S H A Talib and M S Abustan
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## DAY TWO

<b>ICSEWR</b>	<b>Date: 4 October 2022</b>	
	<b>Time: 2:00 PM - 3:15 PM</b>	
	<b>Session Chair: Dr. Siti Hidayah Abu Talib</b>	
	<b>GM Link: <a href="https://meet.google.com/rnc-yhoj-coi">https://meet.google.com/rnc-yhoj-coi</a></b>	
PAPER ID	PAPER TITLE	AUTHORS
011-001	Enhancement of distillate quantity and quality of a hybrid solar de-salination system	A S Isah, S H Shafiai, H Takaijudin, B S M Singh, and S I U Gilani
013-003	Water quality and heavy metal contamination at Repas Lama Dam using Qual2k	Kishan Gunesegeeran, Mohd Sofiyan, Nurharniza Abdul Rahman and Taurai Leonard Muodzi
017-005	Performance Evaluation of Moringa Oleifera as Coagulant for Treating Abattoir Wastewater	Adeolu Richard Adesiji, Hassan Hassan Musa; Osita Evarestus Asogwa; Musa John Jiya; Mangey Jarumi Akila; Mary Odekunle Oluwatobi; Peter Aderemi Adeoye
031-012	Removal of Copper, Chromium, and Nickel Ions from Aqueous Solution by Using Different Pre-Treated Orange Peel	Wen-Pei Low, Wen-Jie Lim, Hoong-Pin Lee, and Nurharniza Abdul Rahman
014-011	Assessment of river water quality improvement due to riverbank filtration (RBF) mechanism	Fauzi Baharudin, Ismawati Zailani, Nurhidayah Hamzah, Zaizatul Zafflina Mohd Zaki and Irma Noorazurah Mohamad
022-008	Removal of Suspended Solid, Colour and Ammonia from Leachate using Aerated Electrochemical Coagulation (AEC) under the Influence Factors of pH and Electrolysis Duration	M H Kamarudin, N S M Zin, L W M Zailani and S N A Mohd-Salleh

## DAY TWO

<b>ICSEWR</b>	<b>Date: 4 October 2022</b>	
	<b>Time: 3:30 PM - 5:00 PM</b>	
	<b>Session Chair: Dr. Nur Adila Hj Ab Aziz</b>	
	<b>GM Link: <a href="https://meet.google.com/rnc-yhoj-coi">https://meet.google.com/rnc-yhoj-coi</a></b>	
PAPER ID	PAPER TITLE	AUTHORS

037-018	Biohydrogen production from acid pre-treated grass	Amirul R Halim, Muhammad Z Jasri, Tee J Yu, Amir F Norazman, Farizah Fadzil, Fariah Fadzil, and Roslinda Seswoya
036-019	A Two-level Factorial Experimental Design for Modeling Zeolite Utilization Process of Palm Oil Fuel Ashes	Wai Loan Liew, Mohd Azraai Kassim; Khalida Muda; Soh Kheang Loh; Nur Syamimi Zaidi; Loh Zhang Zhan
041-025	Optimization of Microalgae Biomass Yield using Chlorella Sp. and Spirulina Sp. Cultivation in Secondary Treated Wastewater Effluent	Rassman N H K, Abd Razak N A E, Mohamed R M S R and Al-Gheethi A
043-027	Public Practice on The Unused Pharmaceutical Waste and The Effect on Surface Water	Nur Khairunniza, Mohammed Kabir Aliyu
044-028	Removal of Copper and Zinc in Metal Working Fluid Using Coconut Composite Filter Media	Anis Filzah Aziz, Nor Azliza Akbar, Mohamad Sazali Said, Mohammad Shahrizan Yusoff and Muhammad Iqbal Adnan
045-031	Evaluation of irrigation water quality for paddy cultivation in Bachok, Kelantan	M H Norlida, S Mohamad Shahid, J Jamaliah, AR Muhammad Zamir, and K Hasliana

## DAY TWO

## ICOSHBE

**Date:** 4 October 2022  
**Time:** 9:00 AM - 11:00 AM  
**Session Chair:** Mr. Khairul Asyraf bin Mohd Rodzi  
**GM Link:** [meet.google.com/evk-axer-ukh](https://meet.google.com/evk-axer-ukh)

PAPER ID	PAPER TITLE	AUTHORS
007-004	Addressing Security and Architecture through Proposing Innovative Idea on Landed Housing Windows	Khairul Asyraf Mohd Rodzi and Mohd Soffian Osman
009-005	Determining The Architectural Framework of National Architectural Identity of Public Administration Buildings in Malaysia	Muhamad Hanafi Rahmat, Alice Sabrina Ismail
014-011	Evaluation of Houses of Worship on Humanitarian Concerns: Case Study of Mayor Mohammad Hanif Jame Mosque	M T Mohd Rasdi, E V Cheah, A A B Meraaj
016-012	The preservation and adaptation of Peranakan architecture at Melaka: The past and current context	Intan Liana Samsudin, Norizan Daud, Diong Jia Zhe, Tan Shi Kei and Tan Yin Yee
021-015	Application Of Motifs Woodcarving In Preserving Its Authenticity In Istana Balai Besar, Kota Bharu Kelantan	N M Rosdi, S A Muhammad and A Abdullah
022-017	Assessments on Modifications to Improve Accessibility in Homes of Children with Cerebral Palsy in Malaysia	Nur Halinda Halimi, Norwina Mohd Nawawi and Srazali Aripin

020-018	Eco living – an effective interior spatial planning as an intervention towards healthy living environment	Siti Nuratirah Che Mohd Nasir, W Omar Ali Saifudin Wan Ismail Salmiah Aziz, Nor Hafizah Anuar, Najah Md Alwi and Noorul Huda Mohd Razali
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DAY TWO		
<b>ICOSHBE</b>	<b>Date:</b>	<b>4 October 2022</b>
	<b>Time:</b>	<b>11:15 AM - 1:00 PM</b>
	<b>Session Chair:</b>	<b>Mrs. Suhailah M Mohd Siraj</b>
	<b>GM Link:</b>	<a href="https://meet.google.com/evk-axer-ukh">meet.google.com/evk-axer-ukh</a>
PAPER ID	PAPER TITLE	AUTHORS
003-002	Social and Spiritual Architecture Inclusion Analysis of Masjid Sultan Abu Bakar Johor Bahru	Ching Wee Han, Nangkula Utaberta, Mohamad Tajuddin Mohd Rasdi
003-003	Evaluation of Publicness in the State Mosque: Sarawak State Mosque	Jong Kai Jie, Nangkula Utaberta, Mohamad Tajuddin Mohd Rasdi
012-009	Rethinking Conservation of Malaysia World Heritage Site Livability: The Case of Chew Jetty, Penang	I M Mazlan, S S Bee, C W Lim
015-013	Evaluation of Mosques from the perspectives of Social Inclusion: Comparison of Five Mosques in Kuala Lumpur, Malaysia	Maliza Ismail Jamail, Intan Liana Samsudin, Mohamad Tajuddin Mohamad Rasdi, Teoh Chee Keong and Azmal Sabil
027-019	Review of Risk Assessment on Heritage Buildings	N I Ramli, K A M Sari, M N Rahman, F M Yusop, M S S Mustafa, N R M Daud and M A A Rahman
028-020	A Documentation of Sustainable Mosque in Malaysia	Suhailah M Mohd Siraj, Nurul Syaheera Aziz, Nor Azizah Adnan and Alice Sabrina Ismail
029-021	Cultural Priorities and Land Development Perspectives in the Eyes of Indigenous People on Land Development	Kelvin Celesistinus, Siti Radiaton Adawiyah Zakaria; Norziana Ahli

DAY TWO		
<b>ISUCOS (b)</b>	<b>Date:</b>	<b>4 October 2022</b>
	<b>Time:</b>	<b>2:00 PM - 3:15 PM</b>
	<b>Session Chair:</b>	<b>Dr. Zalipah bte Jamellodin</b>
	<b>GM Link:</b>	<a href="https://meet.google.com/evk-axer-ukh">meet.google.com/evk-axer-ukh</a>

PAPER ID	PAPER TITLE	AUTHORS
038-029	Thermovoltage and strength performance of catalysed biomass concrete with phosphomolybdic acid and ferric chloride as renewable energy source	Hoong-Pin Lee; ZhiSheng Gan; Kim-Song Tan; Yoong-Kee Yong; Nurharniza Abdul Rahman; Wen-Pei Low, Abdullah Zawawi Awang
039-030	Compressive Strength, Shrinkage and Temperature Performance of Concrete Containing Metakaolin	Mohammed A. Mansour, Mohd Hanif Ismail, Masni A. Majid, Nurazuwa Md Noor, and Rafikullah Deraman
030-032	Effects of Treatment for Raw Oil Palm Shell on Compressive Strength of Oil Palm Shell Concrete	D C P Ng, T L Lau, M P Anwar, W Elleithy and M F Hama
058-047	Physical properties of dolomite fines as partially replacement of cement	Mustaqqim Abdul Rahim, Chan Ivin, Norlia Mohamad Ibrahim, Shahiron Shahidan, Afizah Ayob, Nor Faizah Bawadi, Shamilah Anudai@Anuar, Sharifah Salwa Mohd Zuki, Shamshinar Salehuddin
059-048	Emerging Tenera Oil Palm Shell Concrete: Mix Design and Cost Analyses	Mohammed Fadhil Hama, Mohammed Parvez Anwar, Teck Leong Lau, Daryl Chun Pinn Ng