



IGCESH 2020

IGCESH 2020

8TH INTERNATIONAL GRADUATE CONFERENCE ON
ENGINEERING, SCIENCE AND HUMANITIES

"IR 4.0 TOWARDS SUSTAINABLE DEVELOPMENT GOALS: TREND AND CHALLENGES"

PROGRAM BOOK



18th & 19th
AUGUST 2020



UNIVERSITI TEKNOLOGI MALAYSIA
JOHOR BAHRU, JOHOR
MALAYSIA



UTM
UNIVERSITI TEKNOLOGI MALAYSIA



SPS
SCHOOL OF GRADUATE STUDIES

PGSSUTM
POSTGRADUATE STUDENT SOCIETY
UNIVERSITI TEKNOLOGI MALAYSIA

MISSION OF IGCESH 2020

About IGCESH 2020

8th International Graduate Conference on Engineering, Science & Humanities 2020 (IGCESH 2020) is a biennial postgraduate conference organized by the UTM Postgraduate Student Society (PGSS-UTM) in collaboration with the UTM School of Graduate Studies (SPS-UTM). It provides a forum for accessing the most up-to-date and authoritative knowledge from graduate student's research findings covering both industrial and academic world's thereby sharing best practice in the fields of Engineering, Science and Humanities. With the conference theme "*IR 4.0 Towards Sustainable Development Goals: Trends and Challenges*", IGCESH 2020 aims to provide an avenue to highlight recent developments and identify emerging and future areas of growth in these exciting fields. The conference is held at Universiti Teknologi Malaysia (UTM), Johor Bahru, Johor Malaysia from 18th to 19th August 2020 and participated by all postgraduate students and researchers across different sectors.

Mission

- To encourage the communication and collaboration of researchers from different universities
- To stimulate the research activities among researchers by sharing knowledge and findings
- To enhance the presentation skills of researchers
- To provide publication opportunities to researchers

FOREWORD

It is with great privilege and honour to welcome you to the 8th International Graduate Conference on Engineering, Science and Humanities 2020 (8th IGCESH 2020). This conference is organized by Postgraduate Students Society, UTM (PGSS UTM) in collaboration with School of Graduate Studies, UTM (SPS UTM).

This year marks the eight in the IGCESH series of conferences which hosted by Postgraduate Students Society, UTM (PGSS UTM). Despite facing COVID-19 pandemic that occurred all over the world, we are sure that it will not affect the researchers' spirit and motivation to continue their research that could be used to benefit the social and economic in conquering future trends and challenges in the 4th Industrial Revolution in line with the theme "*IR 4.0 Towards Sustainable Development Goals: Trends and Challenges*". This year is the first time IGCESH is conducted virtually. It is hope that this conference will still be able to provide a platform for researchers to share their ideas, knowledge and to have a fruitful and inspiring discussion with others.

I am optimistic that all participants will acquire new skills and knowledge from this conference, particularly the skills related to doing online presentation. I would like to encourage all participants to take active parts in the interesting discussion to be able to embrace the Sustainable Development Goals in order to stay competitive and relevant in the 4th Industrial Revolution.

This conference represents the efforts of many people. I would like to express my deepest appreciation and gratitude to the organizing committee of 8th IGCESH 2020 that have made this conference a success. I would also like to thank the keynote speakers and fellow researchers that are willing to share their research knowledge and experience with all of us in this conference. It is hoped that 8th IGCESH 2020 will pave the way for further dialogue, interaction and collaboration in the engineering, science and humanities field.



Assoc. Prof. Dr. Noor Hazarina Hashim
Chair, School of Graduate Studies,
Universiti Teknologi Malaysia.

Chair

School of Graduate Studies

WELCOMING REMARKS

Assalamualaikum w.b.t and Warm Greetings.

It gives me great pleasure to welcome passionate researchers and postgraduate students from all over the world to exchange experience and knowledge in 8th International Graduate Conference on Engineering, Science and Humanities (IGCESH 2020). This conference is organized by UTM Postgraduate Student Society (PGSS UTM) in collaboration with UTM School of Graduate Studies (SPS UTM).

Research in Engineering, Science and Humanities is undeniably growing significantly no matter in global or local. The emergence of several related conferences and journals over the world marks the increasing awareness of technologies in human growth. The conference theme is chosen as *"IR 4.0 Towards Sustainable Development Goals: Trends and Challenges"*, to highlight the development of the Industrial Revolution 4.0 in achieving Sustainable Development Goals of human globally.

This conference's goal is to bring together a multi-disciplinary group of researchers and postgraduate students to present and share their break-through ideas relating to the theme. Not only promoting top-level research but also globalizing the quality research in general. Therefore, 8th IGCESH has conducted several keynotes and oral presentations more internationally interactive and focused attention in the recent outstanding achievements in Engineering, Science and Humanities related fields.

On behalf of Conference Organizing Committees, I would like to express the deepest gratitude to UTM for its continuous support on IGCESH 2020. This year marks the eight in the IGCESH series of conference, and we are grateful for still being able to bring IGCESH to you virtually, despite our fight against the pandemic, COVID-19. Special thanks to Corporate Partners for their generous sponsors. Heartiest appreciation to keynotes speakers, session chairs, participants and Conference Organizing Committee for their support, hard work and enthusiasm.

I hope all of you find 8th IGCESH stimulating and the networking opportunity rewarding your time. Enjoy!

"Share your knowledge. It's a way to achieve immortality." - Dalai Lama

Dr Norah Binti Md Noor
General Chair
8th International Graduate Conference on Engineering,
Science and Humanities (IGCESH)
Johor, Malaysia



General Chair

WELCOMING MESSAGE

Assalamualaikum w.b.t and Warm Greetings.

On behalf of the Organizing Committee, it is my pleasure to welcome researchers and postgraduate students from all over the world to the 8th International Graduate Conference on Engineering, Science and Humanities (IGCESH).

The IGCESH is a biennial postgraduate conference organized by the UTM Postgraduate Student Society (PGSS UTM) in collaboration with the UTM School of Graduate Studies (SPS UTM). The theme of this conference is *"IR 4.0 Towards Sustainable Development Goals: Trends and Challenges"* which has been carefully chosen to reflect the development of the Fourth Industrial Revolution to facilitate the achievement of Sustainable Development Goals.

This conference shares an insight into the recent research and cutting-edge technologies, which gains immense interest in the colossal and exuberant presence of adepts, young and brilliant researchers, and talented student communities. IGCESH conferences feature several keynotes and 2-days of multidisciplinary parallel sessions.

IGCESH 2020 could not exist without the generous support from our sponsor. We are very grateful and thank them immensely. We would also like to thank IGCESH General Chair and UTM School of Graduate Studies (SPS UTM) for their continuous support and assistance throughout preparing for the conference. On behalf of the Conference Organizing Committee, we would like to extend our deepest appreciation to all those who have contributed in making IGCESH 2020 a rousing success: our speakers, presenters, session chairs and you, our participants. We hope you enjoy and gain benefit from your time with us.

Muhammad Imran Ismail
Chairperson
8th International Graduate Conference on Engineering,
Science and Humanities (IGCESH)
Johor, Malaysia



Chairperson

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BIOGRAPHY *of* KEYNOTE SPEAKER

Prof. Dr. Fatin Aliah Phang Binti Abdullah

Dr. Fatin Aliah Phang is a professor, Chair of School of Education and a fellow at the Centre for Engineering Education (CEE), Universiti Teknologi Malaysia. She studied in the field of Physics Education and graduated with a PhD in Education at the University of Cambridge, UK in 2009. She specialises in STEM education, Engineering Education, Environmental Education, Physics Education, Low Carbon Society and Qualitative Research in Social Science. Her research area is on Physics Problem Solving, Metacognition, Environmental Education focusing on Low Carbon Society, STEM Education, Educational Research (Qualitative) and Engineering Education. She has widely published and led research projects in STEM Education, Environmental Education and Engineering Education.

Dr. Fatin Aliah Phang has completed several signature projects which include the Iskandar Malaysia Ecolife Challenge, Problem-Based Learning for Low Carbon Society and RCE Iskandar Sustainable and Low Carbon Schools Exhibition.

She also received various awards such as :

- Top Research Scientist Malaysia (TRSM) in 2019
- Okayama ESD Award 2018 – Global Prize
- National Intellectual Properties Award 2018 (Gold – Copyright Category)
- ITEX (International, Invention, Innovation & Technology Exhibition)
- UTM Citra Karisma 2019 (Best Community Project)
- I-PHEX (2017,2015-Gold & Best in Engineering Education)
- United Nations (UNU) Global RCE Awards 2015 -
- Outstanding Flagship Project (Climate Change).



BIOGRAPHY *of* KEYNOTE SPEAKER

Prof. Ir. Dr. Mohd Fadhil bin Md Din

Dr Mohd Fadhil is a professor and Director of Campus Sustainability (UTM CS), Universiti Teknologi Malaysia. He graduated from UTM in 1999 and holds a Master of Engineering in 2001 that was completed under the supervision of Assoc. Prof. Dr. Azmi Aris (UTM, Malaysia) and Prof. Dr. Morgens Henze (Denmark Technical University, DTU). His study was vibrantly focused on the potential pre-investigation of photocatalytic and photo-ozonation design. A prototype development on photo-ozonation has been carried out using combination ozone and photo light (at medium energy excitement) for the special treatment on the color and COD removals.

The study was successfully documented in various types of the journal and international publications. He further his study under a double-program, between UTM (Malaysia) and TUDelft (The Netherlands). He was engaged with Dutch-Malaysian collaborations under the Ph.D. scheme, which usually for mutual international networking under the supervision of Dato' Prof. Ir. Dr. Zaini Ujang (UTM, Malaysia) and Prof. Ir. M.C.M. van Loosdrecht (TU Delft, The Netherlands). Together with Dato' Prof. Ir. Dr. Zaini Ujang and other team members, he had proposed one type of the selected treatment and recovery process, named: – **Biodegradable Plastic Made from Palm Oil Mill Effluent (POME)** – under TechnoFund project (TF0206B033) in Kahang, Kluang.

His role as a current academic administration work is serving as Sustainable Action Plan in the campus as the pre-requisite in creating research and diplomatic communities in the sustainability framework. There are many possibilities to inculcate the revision works especially to refine the aspect of responsibility to bring the sustainable development goals (SDGs) in the multi-various sectors and level of institutions within the region. He has been invited to actively join the "Technical Working Group" among the stakeholders across the ministry level to share ideas and knowledge on environment and sustainability action to the country.



PROGRAM TENTATIVES

TIME	VIRTUAL ROOM 6	VIRTUAL ROOM 1	VIRTUAL ROOM 2	VIRTUAL ROOM 3	VIRTUAL ROOM 4	VIRTUAL ROOM 5
DAY 1: 18 TH AUGUST 2020 (TUESDAY)						
09:00 AM	Keynote Session 1 Title: 'Education for Sustainable Development towards Achieving Sustainable Development Goals' Prof. Dr. Fatin Aliah Phang Abdullah <i>Chair, School of Education, Faculty of Social Science and Humanities, UTM</i>					
10:00 AM	Opening Ceremony of IGCESH 2020 Welcoming Address by Dr Norah Md Noor <i>General Chair of IGCESH 2020</i> Opening Speech by Prof. Ir. Ts. Dr Zainuddin Abd. Manan <i>Deputy Vice-Chancellor (Academic & International)</i>					
11:00 AM	-	Parallel Session 1				
		Science & Technology	Science & Technology	Engineering	Social Science	-
01:00 PM	Break					
02:00 PM	-	Parallel Session 2				
		Science & Technology	Science & Technology	Engineering	Social Science	Social Science
04:00 PM	-	Parallel Session 3				
		-	-	Engineering	-	-
DAY 2: 19 TH AUGUST 2020 (WEDNESDAY)						
09:00 AM	-	Parallel Session 4				
		Science & Technology	Science & Technology	Engineering	Social Science	-
11:00 AM	-	Parallel Session 5				
		-	Science & Technology	Engineering	Social Science	Social Science
02:00 PM	Keynote Session 2 Title: 'Shifting Agenda in Transformational Sustainability Encouragement' Prof. Ir. Dr. Mohd Fadhil Md. Din <i>Director, UTM Campus Sustainability</i>					
03:00 PM	Closing Ceremony of IGCESH 2020 Closing Speech by Mr Muhammad Imran Ismail <i>Chairperson of IGCESH 2020</i> Closing Remarks by Assoc. Prof. Dr. Noor Hazarina Hashim, <i>Chair, School of Graduate Studies UTM</i> IGCESH 2020 Award-Giving Ceremony					
04:00 PM	End of Session					

PARALLEL SESSION SCHEDULE

SCIENCE & TECHNOLOGY PARALLEL SESSION 1

18th AUGUST 2020 (TUESDAY): 11.00 am – 1.00 pm

VIRTUAL ROOM 1 (Session Chair: Prof. Dr. Muhammad Shafie bin Abd. Latiff)
Session Co-chair: Suzarina Ahmed Sukri

Time	ID	Presenter	Title
11:00 – 11:15	112	Aminu Dau	Aspect-Opinion Terms Co-Extraction Based on The Lexicalized Convolutional Neural Network
11:15 – 11:30	16	Adewumi Moradeke Grace	An Embedded System for Kitchen Automation Using Internet of Things Technology
11:30 – 11:45	58	Noorehan binti Yaacob	Time-Dependent Signal Transduction from Ligand-Epidermal Growth Factor Receptor Binding During Invadopodia Formation
11:45 – 12:00	43	Mohamad Faiz bin Dzulkalnine	Feature Selection with Outliers Detection Using Graph Based Approach and Support Vector Machines
12:00 – 12:15	115	Muhammad Faiz Misman	Video Forgery Detection Via Deep Learning Semantic Segmentation
12:15 – 12:30	41	Abba Kyari Buba	Adoption of Green Information Technology by Decision-Makers Using Behavioural Model in Nigerian Manufacturing Industries
12:30 – 12:45	56	Aiedh Mrisi Alharthi	Penalized Logistic Regression with Adaptive Elastic Net for Improving the Diagnosis of Breast Cancer
12:45 – 1:00	163	Muhamad Farhin bin Harun	Malocclusion Classification Using Convolutional Neural Networks

PARALLEL SESSION SCHEDULE

SCIENCE & TECHNOLOGY PARALLEL SESSION 1

18th AUGUST 2020 (TUESDAY): 11.00 am – 1.00 pm

VIRTUAL ROOM 2 (Session Chair: Dr. Ahmad Qushairi bin Mohamad)
Session Co-chair: Mohamad Hidayad Ahmad Kamal

Time	ID	Presenter	Title
11:00 – 11:15	89	Nabilah Fikriah binti Rahin	The Moore-Penrose Inverse Matrix of The Non-Normal Subgroup Graph for Some Dihedral Groups
11:15 – 11:30	95	Suad Abdeen Helaly Osman	A New Skewed Inverted Loss Function: Inverted Weibull Loss Function
11:30 – 11:45	113	Nur Azlina binti Mat Noor	MHD Squeezing Flow of Jeffrey Fluid Between Parallel Plates Through Porous Medium with Slip Condition
11:45 – 12:00	102	Assif Shamim bin Mustafa @ Sulaiman	Grey Forecasting Model of Fossil Carbon Dioxide Emissions in ASEAN Using Microsoft Excel Solver
12:00 – 12:15	28	Nur Idayu Alimon	The Harary Index of The Conjugacy Class Graph Associated to Some Finite Groups
12:15 – 12:30	138	Nor Hafizah binti Hussin	Analysis of Probability Distribution for Wind Speed Data in Johor
12:30 – 12:45	82	Nurhidayah Zaid	Zero Divisor Graph of A Finite Ring Of Matrices And Its Perfect Codes
12:45 – 1:00	100	Ahmad Firdaus Yosman	Bonded Sequential Insertion-Deletion Systems and Their Generative Power

PARALLEL SESSION SCHEDULE

SCIENCE & TECHNOLOGY
PARALLEL SESSION 2
18th AUGUST 2020 (TUESDAY): 2.00 pm – 4.15 pm

VIRTUAL ROOM 1 (Session Chair: Dr. Mohamad Fadhli bin Rashid)
Session Co-chair: Noorehan Yaacob

Time	ID	Presenter	Title
2:00 – 2:15	171	Kamoli Adetunji	The Effect of Health and Safety Rules on The Nigerian Construction Industry
2:15 – 2:30	97	Bouguerra Khalid	Key Factors of Organisational Change for BIM Implementation in The Algerian AEC Industry
2:30 – 2:45	165	Erni Yusnida binti Ariffin	Developing Diffusion of BIM-FM Integration Framework at Planning and Design Stage for FM Organisation in Malaysia
2:45 – 3:00	161	Muhammad Faiz bin Abd Rahman	The Needs of Life Cycle Cost as Decision-Making Instrument for Emerging Green Road Project
3:00 – 3:15	168	Faris bin Hyder Ali	Systematic Mapping Analysis of BIM Data to Big Data Attributes
3:15 – 3:30	49	Nurul 'Azizah Mukhlas	Persistence of Plastic Marine Debris in Malaysia Ocean
3:30 – 3:45	129	Adila binti Zakaria	Developing an Islamic Criteria for Public Spaces in Islamic Concept Hospital in Malaysia
3:45 – 4:00	120	Sharifah Nurulsyafika Al-Yahya binti Habit Noh	Bamboo Physical Properties Effect on Soundscape Ecology
4:00 – 4:15	135	Adriana binti Kamaruddin	Green Cleaning Imperatives: A Study on The Components and Requirements for Green Buildings in Malaysia

PARALLEL SESSION SCHEDULE

SCIENCE & TECHNOLOGY PARALLEL SESSION 2

18th AUGUST 2020 (TUESDAY): 2.00 pm – 4.00 pm

VIRTUAL ROOM 2 (Session Chair: Dr. Che Rozid bin Mamat)
Session Co-chair: Nur Azlina Mat Noor

Time	ID	Presenter	Title
2:00 – 2:15	155	Athena Anak Dana	Alcaligenes Sp. Strain Sum 123 In Microbial Fuel Cells for Bioelectricity Generation and Palm Oil Mill Effluent (Pome) Treatment Utilising Different Types
2:15 – 2:30	66	Muhammad Hariz Asraf Hassan	In Situ Synthesis of Silver Nanoparticles Immobilized on Synthesized Zeolite Using Bio-Green Method from Orthosiphon Aristatus And Its Antibacterial
2:30 – 2:45	122	Aryanny Nasir	Synthesis and Characterization of Rice Husk Cellulose Micro Fibrils for Wound Dressing Application
2:45 – 3:00	84	Chen Sye Jinn	Phosphate Solubilization Potential of Devosia, Deciphering Its Ability from Genomic Aspect
3:00 – 3:15	107	Shanmugaprakasham Selvamani	Fermentation Optimization for Low Cost Media Cultivation of Lactobacillus Reuteri Dsm20016t
3:15 – 3:30	57	Ali Timothy Gandu	Levels of Toxic Metals in Perna Viridis Mussel from Kampung Pasir Putih (Pasir Gudang, Johor), Malaysia And Its Health Inference
3:30 – 3:45	61	Nur Shahz Ereena Binti Zulkifli	Field-Amplified Sample Injection-Capillary Electrophoresis Method for The Analysis Of 5-Fluorouracil

PARALLEL SESSION SCHEDULE

SCIENCE & TECHNOLOGY PARALLEL SESSION 4

19th AUGUST 2020 (WEDNESDAY): 9.00 am – 11.00 am

VIRTUAL ROOM 1 (Session Chair: Dr. Noraihan Afiqah binti Rawi)
Session Co-chair: Mohd Ridhwan bin Reyaz Ahmad

Time	ID	Presenter	Title
9:00 – 9:15	143	Muhammad Nur Syiham bin Abdul Razak	Splicing Systems on Complete Graphs
9:15 – 9:30	80	Nurfarah Zulkifli	Relative Coprime Probability for Nonabelian Metabelian Groups of Order Less Than 24 And Their Related Graphs
9:30 – 9:45	126	Nur Athirah Farhana binti Omar Zai	The Zero Divisor Graphs of Finite Rings and Its Properties
9:45 – 10:00	133	Wan Nura'in Nabilah binti Noranuar	Thermal Radiation Effect on Non-Coaxial Rotating Flow of Viscous Fluid Over an Accelerated Disk
10:00 – 10:15	137	Athirah binti Zulkarnain	The Non-Abelian Tensor Square Graph Associated to A Symmetric Group
10:15 – 10:30	181	Muhammed Bello	Geometrical Properties of Groups Via Its Subgroups
10:30 – 10:45	128	Mohammed Bello	Fabrication of Polymeric Nanofibers of Poly (ϵ -Caprolactone) Blended with Curcumin Using Electrospinning Technique
10:45 – 11:00	130	Nurmarni Athirah binti Abdul Wahid	Modeling The Effects of Climatic Factors on Hand, Foot, And Mouth Disease in Malaysia Via Generalized Linear Model

PARALLEL SESSION SCHEDULE

SCIENCE & TECHNOLOGY PARALLEL SESSION 4

19th AUGUST 2020 (WEDNESDAY): 9.00 am – 10.45 am

VIRTUAL ROOM 2 (Session Chair: Dr. Rahimah binti Muhammad)
Session Co-chair: Nur Azlina Mat Noor

Time	ID	Presenter	Title
9:00 – 9:15	158	Nur Amalina Diyana Suhaimi	A Preliminary Study on Malaysians Online Users’ Perception Towards E-Wallets
9:15 – 9:30	25	Siti Dalila binti Mohd Sojak	Islamic Values of Ornamentation on Mosque Architecture
9:30 – 9:45	141	Nurul 'Aqilah binti Ab. Aziz	An Overview of Fish Gelatin Modified with Hydrocolloids to Imitate non Halal Gelatin For Modernist Cuisine In Desserts
9:45 – 10:00	110	Kam Kar Yern	Insights into The Emergence of Multidrug Resistance Bacteria at Kukup River, Johor, Malaysia
10:00 – 10:15	172	Low Hui Ching	The Establishment of Kangkar Settlements in Batu Pahat District
10:15 – 10:30	144	Ummu Alyaa binti Hashim	Awareness and Willingness to Pay for Biodegradable Food Container: A Case Study of University Students in Malaysia And Japan
10:30 – 10:45	90	Naveen Eugene Louis	Preliminary Study Of Structural Changes Of Glucose-6-phosphate Dehydrogenase Deficiency Variants

PARALLEL SESSION SCHEDULE

SCIENCE & TECHNOLOGY PARALLEL SESSION 5

19th AUGUST 2020 (WEDNESDAY): 11.00 am – 1.00 pm

VIRTUAL ROOM 2 (Session Chair: Dr. Muhammad Safwan bin Abd Aziz)
Session Co-chair: Ayuna Sulekan

Time	ID	Presenter	Title
11:00 – 11:15	30	Mohammad Ridhwan bin Reyaz Ahmad	Solutions of Fractional Derivative of Free Convection Flow with Thermal Radiation Effect in Wright Function
11:15 – 11:30	79	Wan Nor Zaleha Binti Amin	Radiation and Chemical Reaction on Double Diffusive Mixed Convective Flow with Gravity Modulation
11:30 – 11:45	96	Mohamad Hidayad Ahmad Kamal	G-Jitter and Radiation Effect on Double Diffusion Stagnation Point Nanofluid Flow
11:45 – 12:00	149	Norhafizi bin Mohamad	Forecasting Future Riverbank Erosion Model Using Kernel Density and Line Buffering Method
12:00 – 12:15	36	Kelvin Tang Kang Wee	Retrieval of Near-Shore Bathymetry from Optical Satellite Imagery
12:15 – 12:30	44	Siti Syukriah binti Khamdan	Reconstruction of Three-Dimensional Ionospheric Profiles Using Tomography Technique
12:30 – 12:45	157	Syarinie binti Azmi	Silicon Dioxide Activated Tailored Structure and Texture of Zinc-Tellurite Glass
12:45 – 1:00	174	Mohamed Naser Eldewini	Modelling of A Packaged Unit Air-Conditioning System for Humidity and Temperature Control

PARALLEL SESSION SCHEDULE

ENGINEERING
PARALLEL SESSION 1
18th AUGUST 2020 (TUESDAY): 11.00 am – 1.00 pm

VIRTUAL ROOM 3 (Session Chair: Assoc. Prof. Dr. Mohd Junaidi bin Abdul Aziz)
Session Co-chair: Heng Wei Wei

Time	ID	Presenter	Title
11:00 – 11:15	50	Aizat Bin Azmi	Thermal and Dielectric Properties of Polypropylene / Multi-Element Oxide Nanocomposites
11:15 – 11:30	47	Sim Man Seng	Petal-Shaped Microwave Metamaterial for Blood Glucose Sensing Application
11:30 – 11:45	73	Tiyamike Banda	Using Convolution Neural Networks and Fuzzy Logic System to Model a Tool Wear Condition Monitoring System
11:45 – 12:00	162	Mohd Akmal Mhd Yusoff	Feasibility of PID Control for a Double-Acting Cylinder Actuated by Mckibben Muscles
12:00 – 12:15	105	Joyce Sia Sin Yin	Minimal Interactive Knee Cartilage Segmentation Model
12:15 – 12:30	106	Leong Kah Meng	Wireless Power Transfer System Simulation with Lumped Elements Matching for Possible Bid Applications
12:30 – 12:45	35	Hameedah Sahib Hasan	Ultra Wideband and Inertia Measurement Unit Fusion System for Localization

PARALLEL SESSION SCHEDULE

ENGINEERING
PARALLEL SESSION 2
18th AUGUST 2020 (TUESDAY): 2.00 pm – 4.00 pm

VIRTUAL ROOM 3 (Session Chair: Dr. Jaysuman bin Pusppanathan)
Session Co-chair: Manjula Wickramathilaka

Time	ID	Presenter	Title
2:00 – 2:15	118	Mohd Faizal bin Sadali	Effect of Laser Power on the Surface Roughness of Ti6AL4V through Selective Laser Melting Process
2:15 – 2:30	71	Lee Mei Bao	Effect of Annealing Temperature towards Morphology, Wettability, Adhesion and Friction Force of Multi-Layered Graphene (GR) Film on Glass Substrate
2:30 – 2:45	154	Oleolo Ibrahim Olakunle	Dynamic Model Analysis for the Control of Temperature in a Centralized Air Conditioning System
2:45 – 3:00	72	Lee Chiew Tin	Influence of Intermediate Esters on Boundary Frictional Properties of Palm Methyl Ester
3:00 – 3:15	124	Yap Suk Wy	Corrosion and Superhydrophobic Coating for Marine Applications
3:15 – 3:30	167	Nurshafitrah binti Yusoff	Good Horse Biomechanics lead to Effectiveness of Human Physical and Mental Improvement
3:30 – 3:45	70	Lavine Wong	Comparison of Formulas for Drag Coefficient of Floating Debris Migration

PARALLEL SESSION SCHEDULE

ENGINEERING
PARALLEL SESSION 3
18th AUGUST 2020 (TUESDAY): 4.00 pm – 5.00 pm

VIRTUAL ROOM 3 (Session Chair: Dr. Mohamad Hidayat bin Jamal)
Session Co-chair: Lelavathy A/P Samikan Mazilamani

Time	ID	Presenter	Title
4:00 – 4:15	145	Sulaiman Ali Bin Mohammad	Tropical Hailstorms Analysis using Radar Data and Lightning Flash Rate
4:15 – 4:30	78	Mustafa Wajdi Jalal Wajdi	Anaerobic Acetogenic Treatment of Palm Oil Mill Effluent Coupled with Aerobic Condition
4:30 – 4:45	166	Nazirul Fariq bin Mohd Kassim	Utilisation of BIM for MEP Engineering Practice during Covid-19 Outbreak
4:45 – 5:00	136	Rohaida binti affandi	Supply Chain and Logistics: A Key to Executing IBS in Malaysia

PARALLEL SESSION SCHEDULE

ENGINEERING PARALLEL SESSION 4

19th AUGUST 2020 (WEDNESDAY): 9.00 am – 11.00 am

VIRTUAL ROOM 3 (Session Chair: Assoc. Prof. Dr. Zurina binti Mohamad)
Session Co-chair: Chan Jia Xin

Time	ID	Presenter	Title
9:00 – 9:15	39	Khairunnisa Kamarul Zaman	Thermal Degradation and Kinetic Analysis of Treated Palm Kernel Shell
9:15 – 9:30	109	Hazrul Adzfar bin Shabri	Effect of Ceria Content on Ni-Ceo2-Ysz Anode Gas Permeability of Micro-Tubular Solid Oxide Fuel Cell
9:30 – 9:45	59	Sairoz Norazlan bin Sharbini	Physicochemical Characterization of Preformed Particle Gel Containing Chitosan Crosslinker for Conformance Control Application
9:45 – 10:00	32	Stanley Chinedu Mamah	The Application of Palygorskite/Chitin Nanofibers Hybrids Nanomaterial in Heavy Metal Removal
10:00 – 10:15	64	Jamilu Usman	Studies of Asphaltenes-Bounded Biomarkers on Biodegraded and Non-Biodegraded Crude Oil
10:15 – 10:30	134	Muhammad Zainuddin bin Arriafdi	Minibioreactor System as a Research Tool for Biotechnology Process Development

PARALLEL SESSION SCHEDULE

ENGINEERING PARALLEL SESSION 5

19th AUGUST 2020 (WEDNESDAY): 11.00 am – 1.00 pm

VIRTUAL ROOM 3 (Session Chair: Assoc. Prof. Dr. Zurina binti Mohamad)
Session Co-chair: Dhinesh Sugumaran

Time	ID	Presenter	Title
11:00 – 11:15	131	Siti Nabihan Ishak	Removal of Ammonium and Phosphate by Mg-Al Layered Double Hydroxide Nanocomposite with Synthesized Zeolite A
11:15 – 11:30	48	Abu Hassan Nordin	Eco-Friendly Alginate Encapsulated Magnetic Chitosan Adsorbent for Aspirin Removal
11:30 – 11:45	108	Nurul Aqilah binti Mohd Shah	Effect of Beta-Cyclodextrin and Citric Acid Concentration on Functionalization of Cellulose Nanofiber for the Removal of Palmitic Acid
11:45 – 12:00	148	Noor Fadilah binti Yusof	Uio-66 Metal-Organic Frameworks for Membranes Desalination: A Review
12:00 – 12:15	99	Hafiq Aidil bin Zulkiflee	Sodium Phosphate Enhanced Amorphousness of Corn Starch Based Solid Polymer Electrolytes
12:15 – 12:30	159	Nur Azizah Johari	Designing a Hollow-Structure Metal-Organic Framework: A Review

PARALLEL SESSION SCHEDULE

SOCIAL SCIENCE
PARALLEL SESSION 1
18th AUGUST 2020 (TUESDAY): 11.00 am – 1.00 pm

VIRTUAL ROOM 4 (Session Chair): Dr. Kew Si Na
Session Co-chair: Asma Nurul 'Aqilah Binti Mahpuz

Time	ID	Presenter	Title
11.00 – 11.15	8	Kelvin Bin Celesistinus	Prioritizing Causes Of Unsold Residential Property In Sabah: An Empirical Analysis Based On Consumer Behaviour Theory
11.15 – 11:30	27	Lom Hui Shan	Determinants The Behavioural Intention Of Malaysian Mobile Users In Mobile Advertising
11.30 - 11.45	14	Duaa Alashari	The Aesthetics of Arabic Calligraphy Art Embellishment in The Kiswah Of The Kaaba
11.45 - 12.00	86	Lim Zhi Cheng	A Review Of Smartphone Brand Switching Behaviour
12.00 - 12.15	55	Fauziah Binti Zaiden	A Survey On Module Necessity For Depression And Cognitive Distortion Among Out-Of-Wedlock Pregnant Women
12.15 - 12.30	75	He Yang	Three Educationally Significant Ways Of Talking As Means Of Practicing Oral English In Virtual Class
12.30 - 12.45	62	Woo Pei Syan	A Meta-Analysis On Peer Instruction Towards Students' Learning
12.45 - 1.00	63	Marsha Lavania Manivannan	The Utilisation Of Differentiation Strategies In Oral-Aural Skill Lesson Instruction

PARALLEL SESSION SCHEDULE



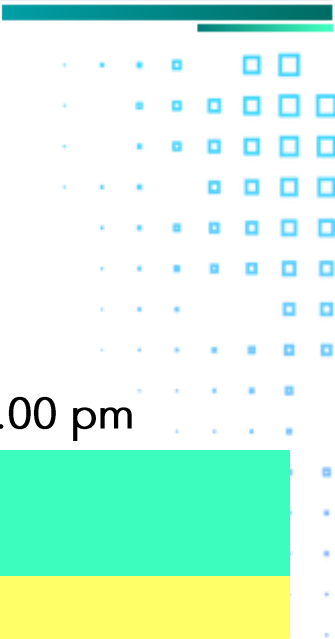
SOCIAL SCIENCE
PARALLEL SESSION 2
18th AUGUST 2020 (TUESDAY): 2.00 pm – 4.00 pm

VIRTUAL ROOM 4 (Session Chair: Dr. Normal Mat Jusoh)

Session Co-chair: Sofiazianti Binti Saleh

Time	ID	Presenter	Title
2:00 – 2:15	69	Shirka Kassam Jwasshaka	Application Of RASCH to Verify Different Building Competency Sub-Construct s For Competency Evaluation Of Graduates In Nigeria
2:15 – 2:30	67	Mai Xiaojun	Antecedents Of Brand Loyalty In Social Media Based Brand Communities
2:30 – 2:45	68	Nur Shafeera binti Mohamad	Electronic Waste Recycling Behavior: A Proposed Framework
2:45 – 3:00	77	Sajjad Ahmed	A Critical Appraisal Of Syntactic Peculiarities Of Court Verdicts Through The Gricean Lens
3:00 – 3:15	101	May Cheong Abdullah	Storytelling And Its Application In Marketing
3:15 – 3:30	83	Jessica Abisheganathan A/P Jeevaratnam	Preliminary Study On Metacognitive Reading Strategies Employed By ESL Learners When Reading CEFR-Aligned Texts
3:30 – 3:45	85	Tan Meng Kiat	Review On How Airbnb Took Over The World
3:45 – 4:00	52	Jen Ling Gan	Impacts Of Green Human Resource Management: A Review Paper

PARALLEL SESSION SCHEDULE



SOCIAL SCIENCE
PARALLEL SESSION 2
18th AUGUST 2020 (TUESDAY): 2.00 pm – 4.00 pm

VIRTUAL ROOM 5 (Session Chair): Dr. Dewi Fariha Abdullah
Session Co-chair: Yip Bao Fang

Time	ID	Presenter	Title
2.00 – 2.15	169	Muhammad Irfan Sheeraz	A Bibliometric Analysis of Top 100 Highly Cited Articles On Organizational Justice Research
2.15 – 2:30	139	Yee Bee Choo	A Framework of Reflective Practice on Written Journals Among the Pre-Service Teachers
2.30 - 2.45	146	Ahmad Farid Bin Amin	Does Employee Networking Behaviour Enhance Employee Performance? – A Systematic Literature Review
2.45 - 3.00	178	Iziati Saadah Binti Ibrahim	Idea Selection Issues During Student Idea Competition: Different Perspectives
3.00 - 3.15	147	Wang Fang	Empirical Analysis of Social Media Influence on Political Partication of Chinese College Students
3.15 - 3.30	150	Li Hong	Tourism Preferences of Outbound Chinese Tourists in Intercultural Tourism from Cultural Values

PARALLEL SESSION SCHEDULE

SOCIAL SCIENCE PARALLEL SESSION 4

19th AUGUST 2020 (WEDNESDAY): 9.00 am – 11.00 am

VIRTUAL ROOM 4 (Session Chair: Dr. Hasnah Binti Mohamed)
Session Co-chair: Asma Nurul 'Aqilah Binti Mahpuz

Time	ID	Presenter	Title
9:00 – 9:15	93	Nur Balqish binti Hassan	Aleatory And Epistemic Error In Market Segmentation: Does It Matter?
9:15 – 9:30	88	Tee Shi Jie	How Can Higher Education Institutions Become Sustainable?
9:30 – 9:45	98	Tan Pei Yee	A Review On Spatial Tourist Flows Pattern In Urban Tourism Development
9:45 – 10:00	92	Vinodh Kumara Kuru	What Drives Consumer Adoption Of Mobile Wallet
10:00 – 10:15	116	Andy Lim Teik Hong	Pupils' Perception And Motivation Of Blended Learning Towards Vocabulary Achievement In An ESL Classroom: A Pilot Study
10:15 – 10:30	19	Issa Nasser Salim Alghatrifi	Mediating Effect Of Resistance To Change Between Trustworthiness And Behavioural Intention Of IPV6 Adoption In Higher Education Institutions (Pilot Study)
10:30 – 10:45	87	Matthew Lim Boon Pin	Destination Loyalty Of Foreign Students In Malaysia: A Review
10:45 – 11:00	91	Tan Jie Huan	Revisit Branding With Vlog Through Parasocial Interaction

PARALLEL SESSION SCHEDULE

SOCIAL SCIENCE PARALLEL SESSION 5

19th AUGUST 2020 (WEDNESDAY): 11.00 am – 1.00 pm

VIRTUAL ROOM 4 (Session Chair): Dr. Norasykin Mohd Zaid
Session Co-chair: Suzarina Ahmed Sukri

Time	ID	Presenter	Title
11:15 – 11:30	179	See Chee Latt	Sustainable Entrepreneurship Education in Engineering Curriculum
11:30 – 11:45	152	Tong Qiu Wen	Research On Citizen Participation of Public Information Service Platform Amidst the Covid-19 Outbreak in China
11:45 – 12:00	156	Norliyana Zakaria	Impact of Coping Strategies on Psychological Well-Being
12:00 – 12:15	180	Mangair Karasi Manickam	Entrepreneurial Competencies for Software Start-Ups
12:15 – 12:30	176	Ahmad Najmi Bin Amerhaider Nuar	Bibliometric Analysis of Global Research Trends on Computational Thinking Using the Scopus Database
12:30 – 12:45	182	Nursyuhada Binti Sulaiman	The Development of Online Equine Assisted Therapy (iEAT) To Treat Depression

PARALLEL SESSION SCHEDULE

SOCIAL SCIENCE PARALLEL SESSION 5

19th AUGUST 2020 (WEDNESDAY): 11.00 am – 1.00 pm

VIRTUAL ROOM 5 (Session Chair): Dr. Seriaznita Mat Said
Session Co-chair: Sofiazianti Binti Saleh

Time	ID	Presenter	Title
11.00 – 11.15	123	Sathish Kumar Velayuthan	Travel Selfies: A New Avatar for Tourism Destination Marketing
11.15 – 11.30	33	Nazirul Fariq bin Mohd Kassim	Cost Risk Impact for Railway Construction Project
11.30 – 11.45	114	Nor Nadirah Akmar Binti Mokhtar	Al-Mafqud In Malaysia In Real Estate Perspective: A Current Review
11.45 – 12.00	76	Javed Ali	Service Quality and Its Impact on Customer Satisfaction And Loyalty In Airline Industry: Partial Least Square (PLS)-Structural Equation Modelling (SEM) Approach.
12.00 – 12.15	121	Siti Nabila Mokhtar	Impact of Small Town Development Policy on Improving its Functions and Image: Small Town of Jasin, Melaka
12.15 – 12.30	94	Siti Nur Hadis A Rahman	Implementation of Teaching and Learning Of The Arabic Language
12.30 – 12.45	42	Nazirul Fariq Bin Mohd Kassim	Digital Twins: What It Means for Future Construction?
12.45 - 1.00	170	Sulaiha Binti Mohd Isa	Successful Women Entrepreneurs Typology In Small And Medium Tourism Enterprise: Towards Achieving Sustainable Development Goals

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