

## CONFERENCE SCHEDULE

### Schedule DAY-1: Friday 18<sup>th</sup> December 2020

Time	Venue	Program	Duration
11:00	OS-A	Welcome speech by Conference Executive Chair Professor Dr Asadullah Shah	10 minutes
11:10		Brief speech on conference statistics by the General Chair Associate Professor Dr Syed Faiz Ahmed	10 minutes
<b>Keynote Speech</b>			
11:20	OS-A	Professor Dr Mohamed Ridza Wahiddin	20 minutes
11:40		Professor Dr Kushsairy Abdul Kadir	20 minutes
12:00		Professor Dr Robiah Ahmed	20 minutes
12:20		Vote of Thanks by Dr Yaqoob Koondhar Secretary ICETAS 2020	10 minutes
<b>12:30</b>		<b>Break</b>	<b>90 minutes</b>
14:00	OS-A.1	IT and Software	(10 min of presentations + 5 min of Q&A)
	OS-A.2	Engineering	
	OS-A.3	Engineering Technology	
<b>15:30</b>		<b>Break</b>	<b>30 minutes</b>
16:00	OS-A.4	IT and Software	(10 min of presentations + 5 min of Q&A)
	OS-A.5	Engineering	
	OS-A.6	Engineering Technology	
<b>17:30 END of Day 1</b>			

### Schedule DAY-2: Saturday 19<sup>th</sup> December 2020

Time	Venue	Program	Duration
11:00	OS-B.1	IT and Software	(10 min of presentations + 5 min of Q&A)
	OS-B.2	Engineering	
	OS-B.3	Engineering Technology	
<b>12:30</b>		<b>Refreshment Break</b>	<b>30 minutes</b>
13:00	OS-B.4	IT and Software	(10 min of presentations + 5 min of Q&A)
	OS-B.5	Engineering	
	OS-B.6	Engineering Technology	
<b>14:30</b>		<b>Break</b>	<b>30 minutes</b>
15:00	OS-B.7	IT and Software	(10 min of presentations + 5 min of Q&A)
	OS-B.8	Engineering	
	OS-B.9	Engineering Technology	
<b>16:30</b>	OS-B.10	Closing Ceremony (Closing Remarks by Professor Sheroz Khan)	
<b>End of Conference</b>			

Note: Time followed in schedule is Malaysian Standard Time, Link to respective sessions will be sent to corresponding authors by email.

\*OS->Online Session

## TECHNICAL SESSIONS: SCHEDULE

**DAY-1: Friday 18<sup>h</sup> December 2020**

<b>Parallel Session 1</b>		
<b>IT and Software (Online Session-A.1)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
14:00	1	Stakeholder's Training Process for GSD Based Requirements Elicitation Frameworks
14:15	2	Pre-elicitation Processes Hierarchy for GSD Based Requirements Elicitation Frameworks
14:30	3	Decentralized Open Banking Using Hyperledger Fabric
14:45	4	A Hyperledger Fabric Based Organizational Decentralized Access Control Solution
15:00	5	Requirements and features of remote monitoring assistance for psychiatric patient in hospital
15:15	18	Homomorphic Encryption for Cloud Computing and Its Challenges
<b>Engineering (Online Session-A.2)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
14:00	6	Unattended object detection and tracking
14:15	17	Early Severity Assessment of Unbalanced rotor Fault in WRIM using ANN based Hybrid TSA and FFT Approach
14:30	19	Impact on Power Quality of Photovoltaic Systems on Distribution Networks
14:45	20	The Effect of Interior Furnishing on Room Lighting Measurement: Wall and Object Colour
15:00	24	Multi-agent System for Decentralized Energy Management Approach in Collaborative Microgrids
15:15	27	Impact of Augmented Reality and Virtual Reality in the Transformation of Virtual Customer Relationship Management Sector
<b>Engineering Technology (Online Session-A.3)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
14:00	11	Medical Image Analysis using Deep Learning: A Review
14:15	13	Home-based monitoring and alert system for Sleep Apnea patients
14:30	21	Rate-distortion modelling of low and high complex scalable video sequences
14:45	22	Posture Analysis of Students doing Online Class at Home during COVID-19 Pandemic
15:00	23	Ergonomic Assessment of Personal Protective Equipment for COVID-19 in the Philippines
15:15	35	Adaptive Channel Estimation and Equalization in Frequency Domain Based on Superimposed Pilot Technique for Vehicular OFDM Communications

## DAY-1: Friday 18<sup>th</sup> December 2020

<b>Parallel Session 2</b>		
<b>IT and Software (Online Session-A.4)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
16:00	25	Cooperative Device to Device Communications with Network Coding
16:15	26	IoT Based Secured Online Attendance Management System
16:30	28	Image classification with multi-scale convolutional sparse representation
16:45	30	Restructuring iCheating Model with Cluster Analysis on Affecting Factors of Academic Cheating Behavior
17:00	33	CONCEPTUAL FRAMEWORK FOR PERFORMANCE ANALYSIS OF TCP IMPLEMENTATION ON VARIOUS PLATFORMS
17:15	40	CONCEPTUAL FRAMEWORK FOR TRANSFORMATION OF CONVERGED INFRASTRUCTURE (CI) INTO HYPER CONVERGED TECHNOLOGY FOR VIRTUALIZATION OF SERVER INFRASTRUCTURE
<b>Engineering (Online Session-A.5)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
16:00	29	Outdoor Position Estimation of a Mobile Platform for Precision Farming and Agriculture Automation
16:15	31	3D static analysis of homogenized piezoelectric plates based on the Mori-Tanaka and the Stroh approach
16:30	46	Design and Performance Analysis of a Slotted Microstrip Patch Antenna for Different GNSS Frequencies
16:45	48	Designing a Thermoelectric Generator for Industrial Flare Heat Recovery
17:00	49	Numerical Modelling of Air Driven High-Temperature Phase Change Material Energy Storage System
17:15	50	Dangerous Driving Prediction Model based on Long Short-term Memory Network with Dynamic Weighted Moving Average of Heart-Rate Variability
<b>Engineering Technology (Online Session-A.6)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
16:00	36	A Model For the Adoption of Digital Marketing And Its Effect on the Competitiveness Among SMEs in Oman
16:15	37	Technological Factors That Affect Adoption of Digital Marketing Among SMEs In Oman
16:30	39	Adaptive Multiplexing Technique for Mobile Networks based on SNR
16:45	87	Proposed Capacity Improvement of the Logistics Management Division of the Department of Health of the Philippines
17:00	88	Shoplifting Prevention System for Fitting Rooms
17:15	94	Smart Assistance for Disables using Bluetooth and Arduino

## DAY-2: Saturday 19<sup>th</sup> December 2020

<b>Parallel Session 1</b>		
<b>IT and Software (Online Session-B.1)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
11:00	42	Hierarchy Assessment of ISO 50001 Implementation Effectiveness
11:15	45	Image Classification Using I1 -fidelity Multi-layer Convolutional Sparse Representation
11:30	59	Exploring the Perceptions of Faculty members and Students on Cloud Computing Adoption in Higher Educational Institutions of Bangladesh
11:45	60	Religious Tourism Safety Recommendation System: A Case Study of Religious Sites in Nepal
12:00	61	Digital Literacy of Educators and their Attitude Towards MOOC Platform in Arab World
12:15	62	Foreign Arrival Prediction in Indonesia after Pandemic Based On Google Trends Analytics
<b>Engineering (Online Session-B.2)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
11:00	52	FPGA in the loop implementation of an adaptive-filtering based control of shunt active power filter
11:15	54	Most Efficient Perovskite Precursors Molarity for Perovskite Solar Cell
11:30	57	RFID based Security and Home Automation System using FPGA
11:45	65	Watercraft-Net: A Deep Inference Vision Approach of Watercraft Detection for Maritime Surveillance System Using Optical Aerial Images
12:00	66	Eye-Smoker: A Machine Vision-Based Nose Inference System of Cigarette Smoking Detection using Convolutional Neural Network
12:15	67	A Machine Vision-Based Deep Learning Inference Approach of Biker Safety Hat Detection System
<b>Engineering Technology (Online Session-B.3)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
11:00	86	Impacts of ICT and innovation on economic growth in advanced countries
11:15	89	Natural Language Processing based Question Answering Techniques: A Survey
11:30	90	Cobot Fleet Management System Using Cloud and Edge Computing
11:45	91	An Operational View into Docker Registry with Scalability, Access Control and Image Assessment
12:00	92	Development of a web portal 'IKIGAI' to assess the psychological well-being of university students
12:15	95	Exploring the use of Digital Storytelling in Students' Motivation to learn Seerah (History of the Prophets) subject

## DAY-2: Saturday 19<sup>th</sup> December 2020

<b>Parallel Session 2</b>		
<b>IT and Software (Online Session-B.4)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
13:00	63	ProgMath: Enlighten Math and Programming Logics
13:15	64	The Book Stack: A Free Books and Class Notes Lending Application
13:30	71	Implementation of Computer-Based Information System on Rice Retailing Business using MS Access
13:45	72	Automatic Sinhala News Classification Approach for News Platforms
14:00	73	ArtFora: Phone Application for Artists and Clients
14:15	76	Improving the Current System of Online Sellers by Creating Database System using MS Assess
<b>Engineering (Online Session-B.5)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
13:00	68	Cap-Eye-citor: A Machine Vision Inference Approach of Capacitor Detection for PCB Automatic Optical Inspection
13:15	69	Eye-Zheimer: A Deep Transfer Learning Approach of Dementia Detection and Classification from NeuroImaging
13:30	74	Deep-Hart: An Inference Deep Learning Approach of Hard Hat Detection for Work Safety and Surveillance
13:45	75	PET-Bottle-Recognizer: A Machine Vision Recognition of Polyethylene-Terephthalate Based- Bottle for Plastic Waste Classification and Recycling
14:00	84	Car Park Reservation Using QR System: A Proposed Flow
14:15	96	Study of Parametric Effects due to Mutual Coupling using High Permittivity Dielectric-Director in Planar Array Configuration
<b>Engineering Technology (Online Session-B.6)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
13:00	97	Effect of Mach number and Level of Expansion on Flow Development at Different Lengths of Ducts with Sudden Expansion
13:15	98	Effect of NPR on the Flow Pattern of Circular Pipe at High Mach Numbers
13:30	99	Experimental Investigation on Nozzle Flow at Different Levels of Jet State at Supersonic Mach Numbers with Sudden Expansion
13:45	101	Studies on the Nozzle Flow and the Flow Pattern with Abrupt Increase in Area
14:00	103	Studies on Nozzle Flow at Beneficial and Adverse Flow Conditions and Effectiveness of Flow Control Management
14:15	102	Waste Monitoring and Reporting System for Community Health Center in Depok, Indonesia

## DAY-2: Saturday 19<sup>th</sup> December 2020

<b>Parallel Session 3</b>		
<b>IT and Software (Online Session-B.7)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
15:00	77	Improving Customer Experience on Instagram: Online Food Shop Ordering
15:15	79	Seiton: A Mobile Inventory Management System Application for Micro, Small and Medium-sized Enterprise
15:30	81	Digital Library Database and Distributed Information: A Case Study in Mapúa University
15:45	82	Implementing an automated Online Job Finder system in the Philippines using MS Access
16:00	83	Designing an Inventory Database Software Suitable for Small Business: A Case Study
16:15	85	Improving and Redesigning the Online Complaint System of the National Bureau of Investigation (NBI)
<b>Engineering (Online Session-B.8)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
15:00	80	Early Warning Detection System Architecture for COVID-19 via Wastewater
15:15	104	A comparative analysis of photovoltaic solar and geothermal heating and cooling systems
15:30	105	Optimal decentralized energy management of a smart home based on energy democracy
15:45	14	Security Health Assessment of Public WIFI Environments in the UAE
16:00	16	Big Data Security and Privacy Implementation: The way Ahead
16:15	7	Black/Gray Holes Detection Tools in MANET: comparison and analysis
<b>Engineering Technology (Online Session-B.9)</b>		
TIME(Hrs)	PAPER ID	PAPER TITLE
15:00	44	DNS attack mitigation Using OpenStack Isolation
15:15	56	Design and Development of Assistive Robotic System for Covid-19
15:30	58	Using SMART sensors and Building Management System to improve the Performance and Productivity for Commercial Buildings
15:45	70	Muscle Fatigue Detection and Analysis Using EMG Sensor
16:00		
16:15		