INTERNATIONAL CONFERENCE ON FUTURE TRENDS IN SMART COMMUNITIES (ICFTSC2022)

Technical Session 1: 1st December 2022 (Thursday), 08.00-10.00 am, Room No. 10

Paper ID	Title/Authors
177	Adopting Electrical Remote Operation and Intelligent-based System at Offshore Installation
	Wan Sadik Hakim Wan Ibrahim, Wan Umikalthum Wan M Nowalid, Mohd Faizal Hamdan, Azam Syah Monzaid
	Impact of New Enhanced Dispatch Arrangement (NEDA) mechanism on the cost efficiency of generation of Malaysian Representative
1031	System
	Previnsha Naidu Poornachendran, Renuga Verayiah
413	Extended Lifetime of IoT Applications using Energy Saving Schemes
	Adam Khalid, Usha Saktivel, Senthilkumaran Thangamuthu, Micheal Drieberg, Patrick Sebastian, Azrina Abd Aziz, Hai Hiung Lo
22	Investigation of Full-Order State Output Feedback Controller on DC-DC Converter Rapid Load Current Change
	Nor Zaihar Yahaya, Oladimeji Ibrahim, Temitope Ibrahim Amosa, Nordin Saad, Sheikh Tanzim Meraj
129	Measuring Power Consumption of Insertion Sort to Establish Power Consumption Dependency on Execution Time and Memory Allocation
	Umar Mahmud, Shariq Hussain
1022	Photovoltiacs Performance Evaluation using IoT Technology
	Melvinder Singh Balbir Singh, Taib Ibrahim, Nursyarizal Mohd Nor

Technical Session 1: 1st December 2022 (Thursday), 08.00-10.00 am, Room No. 11

Paper ID	Title/Authors
362	Effect of thickness of the poly(vinyl alcohol) passivation layer on ambipolar characteristics of Graphene Field-Effect Transistor
	Nadia Norhakim, Huzein Fahmi Hawari, Zainal Arif Burhanudin
136	Emotion Based Chatbot Using Deep Learning
	Nurlaila Rosli, Nelson Chai Zhen Faan, Yek Nai Liang, Alexander Chai Min Jie, Lo Woon Chze
367	Explainable Deep Learning Model for Cardiac Arrhythmia Classification
	Waleed Ali, Maged Nasser, Talal Abdullah, Mohd Soperi Zahid, Tang Tong Boon
264	General framework of geometric simplification for mitigating cybersickness
	Ruding Lou, Frédéric Mérienne, Dominique Bechmann
279	Novel Feature Engineering for Heart Disease Risk Prediction Using Optimized Machine Learning
	Karna Vishnu Vardhana Reddy, Irraivan Elamvazuthi, Azrina Abd Aziz, Sivajothi Paramasivam, Hui Na Chua, S. Pranavanand
322	Scnsitivity Analysis of the Effective Reproduction Number in a Sarawak Rabies Epidemic Model
	Nur Asheila Abdul Taib, Jane Labadin
45	The Influence of Audio Sensory Input on the Anxiety Level of the VR Users
	Mahdiyeh Sadat Moosavi, Marcus Yung Chong, Missainul Ainul Khairiyah Mohd Nazri, Frédéric Merienne, Christophe Guillet, Dayang
	Rohaya Awang Rambli, Suziah Sulaiman

Technical Session 2: 1st December 2022 (Thursday), 03.45-05.45 pm, Room No. 10

Paper ID	Title/Authors
158	Intelligent Offloading Decision and Resource Allocation for Mobile Edge Computing
	Omar Baslaim, Azlan Awang
92	Concept Drift Scenarios in Electrical Load Forecasting with Different Generation Modalities
	Idris Ismail, Syed Muslim Jamil, Fakhizan Romlie, Kamaluddeen Usman Danyaro
400	Development of Gas Flow Characteristic Prediction For Industrial Flow Meter Using Long Short-Term Memory (LSTM)
186	Rahimi Zaman Jusoh @ Rashid, Ahmad Muizuddin Talib, Mohd Faizal Mustafa, Idris Ismail, Mohamad Naufal Mohamad Saad, Azlan
	Awang, Muhd Safwan Zahari
379	Forecasting of Wind Turbines Generated Power With Missing Input Variables
	Sunder M, Abishek R, Monalisa Maiti, Kishore Bingi, Arun Mozhi Devan Panneer Selvam, Maher Assaad
247	Uncertainty Calculations for Industrial Gas Flow Meter
217	Mohd Faizal Mustafa, Ahmad Muizuddin Talib, Rahimi Zaman Jusoh, Idris Ismail, Azlan Awang, Mohamad Naufal Mohamad Saad, Nur
	Syafiqa Mustafar
133	Design of Miniaturized S-band High Isolation Strip-line Circulator for 5G Application
	Khim Sokha, Sovuthy Cheah, Socheatra Soeung, Guan Shen Ng, Rothna Pec

Technical Session 2: 1st December 2022 (Thursday), 03.45-05.45 pm, Room No. 11

Paper ID	Title/Authors
380	Explainable Artificial Intelligence On Deep Reinforcement Learning Based Maximum Power Point Tracking For Photovoltaic Systems
	Pei Seng Tan, Tong Boon Tang, Eric Tatt Wei Ho
34	Disassociation of Visual-proprioception feedback to Enhance Endotracheal intubation
	Mahdiyeh Sadat Moosavi, Jacob Williams, Christophe Guillet, Frédéric MERIENNE, Jeo Cecil, Michael Pickett
81	Real Time Electrical Transient Analyzer Program (ETAP RT) Improvement for Gas Processing & Utilities (GPU) plant, PETRONAS Gas Berhad
01	Nur Mohd Fadzli Nordzi, Azwanizam Che A Rahman, M Rahmat Mat Tahir
89	Guide to Induction Motor Real Time Analytics
	Mohd Hamdan Kamarul Baharaini, Awanizam, Helmy Halim
105	Investigating the Impact of Illumination and Viewpoint Variations on Transformer-based Person Re-identification
	Patrick Sebastian, Temitope Amosa, Lila Izhar, Oladimeji Ibrahim
123	Comparative analysis of different parameters used for optimization in the process of speaker and speech recognition using deep neural network
	Sureshkumar Natarajan, Syed Abdul Rahman Al-Haddad, Faisul Arif Ahmad, Mohd Khair Hassan, Raja Kamil, Syaril Azrad, Mohammed
	Nawfal Yahya, June Francis Macleans, Pratiksha Prashant Salvekar

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Technical Session 3: 2nd December 2022 (Friday), 08.00-10.30 am, Room No. 11

Paper ID	Title/Authors
28	Optimal Node Placement and Congestion Reduction in an Industrial Wireless Mesh Network using HHO Algorithm
	Hakim Abdulrab, Fawnizu Azmadi Hussin, Azlan Awang, Idris Ismail, P Arun Mohzi Devan, Hussein Shutari
76	mm-Wave RSS Evaluation for Distance Estimation in Urban Environments
	Yaser Awadh, Azlan Abd Aziz, Geok Tan
40	Elliptic Curve Cryptography for the Security of Insecure Internet of Things
	Naqash Khan, Azlan Awang
111	Multi-sensor IF Estimation based on Time-frequency and Spatial Filtering
111	Nabeel Ali Khan, Sadiq Ali, Ateeq-ur Rehman
262	Energy Management Algorithm in Wireless Sensor Networks for Pipeline Monitoring
262	Lukman Ayinla, Azrina Abd Aziz, Michael Drieberg, Azubogu Austin, Temitope Amosa
349	High Rejection Highpass Filter For Wideband Applications
	Socheatra Socung, Wei Yang See, Sovuthy Cheab, Guan Shen Ng
357	Low Frequency Underwater Acoustic Modelling Based on Deep Learning
337	Azhagumurugan R, Porkumaran K, Nayanatara C, Sai Ganesh CS, Aouthithiye Barathwaj SR Y, Haariharan N C
378	Improved Whale Optimization Algorithm for Optimal Network Coverage in Industrial Wireless Sensor Networks
	Arun Mozhi Devan Panneer Selvam, Rosdiazli Ibrahim, Madiah Binti Omar, Kishore Bingi, Hakim Abdulrab, Fawnizu Azmadi Hussin
1003	Design and Simulation of Butler Matrix For 5G Applications
	Sunitha R, Vijayanand S,L.Rangaiah,Usha, Sanjay P, Sanjay P Mudaliar

Technical Session 4: 2nd December 2022 (Friday), 04.15-05.45 pm, Room No. 1

Paper ID	Title/Authors
343	Design and Development of PV Powered Intergraded DC - DC Converter Fed Multilevel Inverter for Standalone Application
	Prathibanandhi K, Meenakshi B, Porselvi T, Azhagumurugan R, Chithra V
297	Pipeline Vibration-based Piezoelectric Energy Harvester (PEH) – Mathematical Modelling & Design Analysis
	Wan Nabila Mohd Fairuz, Mohamad Radzi Ahmad, Illani Mohd Nawi
345	Flexible IOT Based DSM-DG Strategy Adopted For Benefit Maximization In a Power System Network
343	Nayanatara Chandrasekaran, P sharmila, P Shanmugapriya, M Suresh Kumar, Ramani Kannan, R Azhagumurugan
211	THD Analysis of Output Voltage and Current for IGBT Based Cyclo-Inverter Circuit
211	Md Mahmudul Hasan, Md. Abdul Malek, Ramani Kannan, Muhammad Abdul Goffar Khan, K. Porkumaran
360	Design of an Efficient LED Driver Using Non Ideal Boost Converter For Lighting Applications
	Thirupura Sundari K, Kannan Renganathan, Ramani Kannan, A Jeyadharshini, P Mahalakshmi, R Vaitheeswari
370	Design and Development of an Estimate Controller For a Fusion Tank System
	Sanjeevi Gandhi A, Porkumaran K, Jeeva C, Kothai R, Ramani Kannan K

Technical Session 4: 2nd December 2022 (Friday), 04.15-05.45 pm, Room No. 11

Paper ID	Title/Authors
229	Anomaly Prediction and Remaining Useful Life (RUL) for Alternator Health Monitoring System
	Lin Yong Wong, Norashikin Yahya, Nazim Hamid, Suhaila Badarol Hisham
58	Performance Evaluation of an Asynchronous MAC Protocol in Wireless Sensor Network
	Chung Yee Haw, Azlan Awang, Fawnizu Azmadi Hussin
430	Hemodynamic Response Asymmetry of the Prefrontal Cortex During Cognitive Load Task
430	Maged Al-quraishi, M Naufal M Saad, Christophe Guillet, Frederic Merienne
515	Efficient Convolution Neural Network Architecture for Recognition of Occluded Faces from Images
212	Shashidhar V, Balakrishna R
440	Multispectral Image Analysis for Crop Health Monitoring System
440	Amelia Sarah Abdul Rahman, Patrick Sebastian, Lila Iznita Izhar
477	Enhancements to PERCLOS Algorithm for Determining Eye Closures
	Muhammad Ammar Zulkarnanie, Kiranraj Siva Shanmugam, Nasreen Badruddin

Poster Session: $1^{st} - 2^{nd}$ December 2022, 08.00-05.00 pm

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490	Hand Gesture-based Control of Autonomous UAV for Mobile Disinfectant Dispenser
	Khairel Danish Khairil Anwar, Saiful Azrin bin Mohd Zulkifli, Ghulam E Mustafa Abro
68	Detection of Alzheimer's Disease using Dynamic Functional Connectivity Patterns in Resting-State fMRI Technique
	Mohammed Isam Al-Hiyali, Norashikin Ƴahya, Ibrahima Faye, Alishba Sadiq
70	Variance Analysis on Functional Connectivity of Resting-state fMRI Signals in Alzheimer's Disease Patients
	Alishba Sadiq, Norashikin Yahya, Tong Boon Tang
464	Ambipolar characteristics of sludge-extracted asphaltene-based organic field-effect transistor
	Nur Khairin Nadhirah Saifudin, Sundarajoo Thulasiraman, Zayyan Rafi Kesuma, Nadia Norhakim, Zainal Arif Burhanudin