



**2019 INTERNATIONAL
UNIMAS STEM
12th ENGINEERING CONFERENCE
ENCOR**

**'REVOLUTIONIZED INNOVATIVE ENGINEERING AND TECHNOLOGY
TOWARDS SUSTAINABLE DEVELOPMENT'**

TECHNICAL SESSION SCHEDULE

Co-Organizer



28 August 2019
(WEDNESDAY)

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| 0830 - 0915 | <p>KEYNOTE SPEAKER 1 (Venue: SARAWAK CHAMBER 3)</p> <p>TITLE:</p> <p>MONITORING AND CHANGE DETECTION OF DISASTERS IN JAPAN BY USING SYNTHETIC APERTURE RADAR</p> <p>Speaker: Associate Professor Dr Toshifumi Moriyama <i>Nagasaki University, Japan</i></p> <p>Session Chair: Professor Ir. Dr Law Puong Ling</p> |
| 0930 - 1130 | <p>OPENING CEREMONY</p> |
| 0930 - 1130 | <p>TEA BREAK (SARAWAK CHAMBER FOYER, LEVEL 3)</p> |
| 1145 - 1230 | <p>KEYNOTE SESSION 2 (Venue: SARAWAK CHAMBER 3)</p> <p>TITLE:</p> <p>HOW IMPORTANT IS SUSTAINABLE DESIGN IN DIGITAL IMAGING?</p> <p>Speaker: Professor Ts. Dr. M. Iqbal Saripan <i>Universiti Putra Malaysia (UPM)</i></p> <p>Session Chair: Dr Tengku Mohd Afendi Zulcaffle</p> <hr/> <p>KEYNOTE SESSION 3 (Venue: WIND SUITE, LEVEL 3)</p> <p>TITLE:</p> <p>STEM EDUCATION POLICY FROM MOE PERSPECTIVE: CURRENT OUTLOOK AND WAY FORWARD</p> <p>Speaker: Mr Raymond Maurice anak Stephan <i>Assistant Director, STEM Education Coordinator, Ministry of Education</i></p> <p>Session Chair: Professor Ir. Dr Andrew Ragai Henry Rigit</p> |
| 1300 - 1400 | <p>LUNCH (Café Majestic)</p> |

28 August 2019
(WEDNESDAY)

POSTER PRESENTATION (SESSION I)

1400 - 1420

Lobby, Level 3

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| 01 | <p>Paper ID: 78</p> <p>Optimizing Machine Learning Algorithms for Improvement of Performance Metrics in Pepper Cultivation (EE)</p> <p><i>Nadia Aldrin, Hushairi Zen and Nabilah Omar</i></p> |
| 02 | <p>Paper ID: 84</p> <p>Accuracy and realibility of IoT system for Agriculture (EE)</p> <p><i>Nabilah Omar, Hushairi Zen and Nadia Nicole Aldrin</i></p> |
| 03 | <p>Paper ID: 54</p> <p>Smart Electrical Energy Meter (SEEMS) (EE)</p> <p><i>Azfar Satari Abdullah, Nur Faezah Abusamah, Mohd Hafiez Izzwan Saad, Hazmi Hijazi Abdul Halim, Abdul Rahman Kram, Abdul Hafiz Abdul Karim, Mohd Ridhuan Mohd Sharip and Abg Syafiqnurain Abg Shokeran</i></p> |
| 04 | <p>Paper ID: 55</p> <p>Distribution Voltage in DC Microgrid System based Solar PV Topologies Configuration in Sarawak, Malaysia (EE)</p> <p><i>Mohd Ridhuan Mohd Sharip, Dayangku Khairunesa Awg. Sakawi, Dyg Norkhairunnisa Abang Zaidel, Mohd Hafiez Izzwan Saad, Azfar Satari Abdullah, Abdul Hafiz Abdul Karim, Abdul Rahman Kram and Hazmi Hijazi Abdul Halim</i></p> |
| 05 | <p>Paper ID: 69</p> <p>Selection Combiner in Time-Varying Amplify Forward Cooperative Communication (EE)</p> <p><i>Sylvia Ong and Hushairi Zen</i></p> |
| 06 | <p>Paper ID: 76</p> <p>Design of a Data Logging System for a Small Scale Hydrokinetic Turbine (EE)</p> <p><i>Diana Ringgau, Martin Anyi and Kismet Hong Ping</i></p> |
| 07 | <p>Paper ID: 60</p> <p>Kinetic Study on Heavy Metal Divalent Ions Removal using Zirconium-Based Magnetic Sorbent (Chem.)</p> <p><i>Soh Fong Lim, A. Y. W. Lee, S. N. D. Chua and B. H. Lim</i></p> |

(WEDNESDAY)

POSTER PRESENTATION (SESSION II)

1430 - 1450

Lobby, Level 3

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| 01 | <p>Paper ID: 52</p> <p>Visual Odometry Trajectory Curve Analysis for Lane-Changing Detection (EE)</p> <p><i>Dayang Nur Salmi Dharmiza Awang Salleh and Emmanuel Seignez</i></p> |
| 02 | <p>Paper ID: 57</p> <p>Predictive Current Control of Three Level Neutral Point Clamped Based Indirect Matrix Converter (EE)</p> <p><i>Hazrul Mohamed Basri and Kasumawati Lias</i></p> |
| 03 | <p>Paper ID: 89</p> <p>Wearable Coaching System using Body Area Network System (EE)</p> <p><i>Nur Alia Athirah Mohtadzar, Dyg Norkhairunnisa Abang Zaidel, Abdul Rahman Kram, Kasumawati Lias, Shahrol Mohamaddan, Mohamad Shaiful Abdul Karim, Yon Syafni Samat, and Takayama Shigeru</i></p> |
| 04 | <p>Paper ID: 61</p> <p>Development of a Web-Based Industrial Revolution 4.0 Implementation Monitoring System Prototype for Academic Programmes in Universiti Malaysia Sarawak (EE)</p> <p><i>Rohana Sapawi, Rafeah Wahi, Azzahrah Anuar, Nabaahah Isa, Hamimah Ujir, Hashimatul Fatma Hashim, Ade Syaheda Wani Marzuki, Shanti Faridah Salleh and Wan Hashim Wan Ibrahim</i></p> |
| 05 | <p>Paper ID: 65</p> <p>Fabrication and Characterization of Titanium Dioxide (TiO₂) with Different Synthesizing Temperature for Solar Cell Application (EE)</p> <p><i>Siti Kudnie Sahari, Andre Anding Tedong, Afiqah Bahrin, Rafidah Kemat, Kuryati Kipli and Marini Sawawi</i></p> |
| 06 | <p>Paper ID: 6</p> <p>Digital Predictive Current Control Fed by Three-Level Indirect Matrix Converter under Unbalanced Power Supply Condition (EE)</p> <p><i>Hazrul Mohamed Basri, Kasumawati Lias and Saad Mekhilef</i></p> |
| 07 | <p>Paper ID: 72</p> <p>Exploration of CMOS Class AB Power Amplifier Design in Gigahertz Frequencies (EE)</p> <p><i>Rohana Sapawi, Dzatul A'Qidah Sa'Ahmad, Sharifah Masniah Wan Masra, Siti Kudnie Sahari, Kuryati Kipli and Marini Sawawi</i></p> |
| 08 | <p>Paper ID: 79</p> <p>A Study of Deep Learning Algorithm in Solar Photovoltaic Power Forecasting (EE)</p> <p><i>Lee Chin Kho, Sze Song Ngu, Annie Joseph, Hushairi Zen and Kai Lung Chai</i></p> |
| 09 | <p>Paper ID: 81</p> <p>Online Person Identification based on Multitask Learning (EE)</p> <p><i>Annie Joseph, Edward Ijau Anak Pelias Pog, Kho Lee Chin, David Bong Boon Liang, Dyg Azra Awang Mat and Ngu Sze Song</i></p> |

28 August 2019
(WEDNESDAY)

POSTER PRESENTATION (SESSION III)

1545 - 1605

Lobby, Level 3

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| 01 | <p>Paper ID: 41</p> <p>Breast Tumor Identification Based on Overset Grid Generation Method with Biquadratic Spline Interpolation in Forward-Backward Time-Stepping (EE)</p> <p><i>Bong Siaw Wee, Kismet Hong Ping and Shafrida Sahrani</i></p> |
| 02 | <p>Paper ID: 21</p> <p>Review on Feasibility of Gravity Power Generation Mechanism in Malaysia's Sustainable Energy Program (EE)</p> <p><i>Hadi Nabipour Afrouzi, Hari Prashanth P.V.S, Hegaindran Sundram, Ausgustin Pierre Jean Girod, Jean-Roch Spigolis, Siingkieh Tiong and Kamyar Mehranzamir</i></p> |
| 03 | <p>Paper ID: 75</p> <p>Optimization of Hybrid Renewable Energy in Sarawak Remote Rural Area Using HOMER Software (EE)</p> <p><i>Yanuar Z. Arief, Nur Anisah Aziera Abdul Halim and Mohd Hafiez Izzwan Saad</i></p> |
| 04 | <p>Paper ID: 87</p> <p>Evaluation of Abnormalities on Induction Motor Using Power Systems Computer Aided Design (PSCAD) (EE)</p> <p><i>Yanuar Z. Arief, Mohamad Nursalam Ibrahim and Mohd Hafiez Izzwan Saad</i></p> |
| 05 | <p>Paper ID: 85</p> <p>A Comprehensive Low Wind Speed Prediction and Data Analysis For Studying Wind Energy Potential at Two Locations of Sarawak (EE)</p> <p><i>Salisu Muhammad Lawan, Wan Azlan Wan Zainal Abidin and Sj Kawu</i></p> |
| 06 | <p>Paper ID: 86</p> <p>Hybrid Wind Speed Prediction Model Based on Intrinsic Mode Function (IMF) and Gradient Boosted Machine (GBM) (EE)</p> <p><i>Salisu Muhammad Lawan, Wan Azlan Wan Zainal Abidin and Thelaha Masri</i></p> |
| 07 | <p>Paper ID: 9</p> <p>The Study on Behaviour of Stone Columns and Pile Foundations in Soft Soils when Placed under Rigid Raft Foundation (Civil)</p> <p><i>Danish Ahmed, Siti Noor Linda Bt Taib, Tahar Ayadat and Alsidqi Hasan</i></p> |

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| 08 | <p>Paper ID: 71</p> <p>Assessment of Potential Rainwater Volume Reduction Optimization Using Permeable Pavement with Subsurface Precast Micro Detention Pond (Civil)</p> <p><i>Norazlina Bateni, Sai Hin Lai, Putuhena Fj, Yau Seng Mah, Md Abdul Manan, Melfrid Manegild Michael, Zulfadli Bujang, and Jethro Henry Adam</i></p> |
| 09 | <p>Paper ID: 66</p> <p>A Review of MRI Acute Ischemic Stroke Lesion Segmentation (EE)</p> <p><i>Abang Mohd Arif Anaqi Abang Isa, Kuryati Kipli, Muhammad Hamdi Mahmood, Ahmad Tirmizi Jobli, Siti Kudnie Sahari and Mohd Saufee Muhammad</i></p> |

28 August 2019
(WEDNESDAY)

ORAL PRESENTATION SESSION 1 (Electrical, Electronic)

Wind Suite II, Level 3

Session Chair: Dr Lee Yee Yong

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| 1400 - 1415 | <p>Paper ID: 5</p> <p>Experimental Studies on Continuous Electrocoagulation Treatment of Peat Water in Sarawak with Copper Electrodes (Chem.)</p> <p><i>Nazeri Abdul Rahman, Allene Albania Linus, Elisa Elizebeth Jihed, Umang Jata Gilan, Nurhidayah Kumar Muhd Firdaus Kumar and Abdullah Yassin</i></p> |
| 1415 - 1430 | <p>Paper ID: 7</p> <p>Basic Home Automation Using Smart Sockets With Power Management System (EE)</p> <p><i>Noufal Asif, Yi Lung Then and Jubaer Ahmed</i></p> |
| 1430 - 1445 | <p>Paper ID: 10</p> <p>The Study of the Impact of Environmental Condition to the Photometric Performance of HPSV and LED Street Lighting Technologies (EE)</p> <p><i>Nor Diana, Khairuddin Abdullah, and Hafiz Daud</i></p> |
| 1445 - 1500 | <p>Paper ID: 14</p> <p>Segmentation of Retinal Microvasculature Based on Iterative Self-Organizing Data Analysis Technique (ISODATA) (EE)</p> <p><i>Mohammed Enamul Hoque, Kuryati Kipli, Dayang Azra Awang Mat, Tengku Afendi Zulcaffle, Rohana Sapawi, Annie Joseph, Nurdiani Zamhari and Mohammad Yasin Arafat</i></p> |
| 1500 - 1515 | <p>Paper ID: 16</p> <p>A Deep Learning Approach to Prognostics of Rolling Element Bearings (EE)</p> <p><i>Jank-Wook Hur and Ugochukwu Ejike Akpudo</i></p> |
| 1515 - 1530 | <p>Paper ID: 17</p> <p>LED-Based Insect Trap for Commercial Agriculture (EE)</p> <p><i>Chung Wei Bryan Wee, Yi Lung Then, Fei Siang Tay and Dyg Norkhairunnisa Abang Zaidel</i></p> |
| 1530 - 1545 | <p>TEA BREAK (SARAWAK CHAMBER FOYER, LEVEL 3)</p> |

ORAL PRESENTATION SESSION 2 (Electrical, Electronic)**Wind Suite I, Level 3****Session Chair: Shamsiah Suhaili**

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| 1400 - 1415 | <p>Paper ID: 11</p> <p>Application of Life Data Analysis for Reliability Assessment of Electronic Energy Meter (EE)</p> <p><i>Khairuddin Abdullah, Nor Diana Ruzaini, and Hafiz Daud</i></p> |
| 1415 - 1430 | <p>Paper ID: 12</p> <p>Mitigations Study of TNB Medium Voltage Equipment Short Circuit Rating Due to Increase Fault Level (EE)</p> <p><i>Mohd Hafiz Mat Daud, Nor Diana Ruzaini, Khairuddin Abdullah and Nurul Shuhada Pauzai</i></p> |
| 1430 - 1445 | <p>Paper ID: 20</p> <p>Optimization Analysis of Hybrid Renewable Energy System Using Homer Software for Rural Electrification in Sarawak (EE)</p> <p><i>Hadi Nabipour, Nur Huda. M Binti Tambi, Siingkieh Tiong, Kamyar Mehranzamir and Jubaer Ahmed</i></p> |
| 1445 - 1500 | <p>Paper ID: 80</p> <p>Minimization of Construction Waste Using the Principles of Waste Management (Civil)</p> <p><i>Sim Nee Ting and Awgku Mohd Firdaus B. Awg Sakawi</i></p> |
| 1500 - 1515 | <p>Paper ID: 25</p> <p>Implementation of Multiple Transceiver System for Free Space Optical Communication (EE)</p> <p><i>Jer Chuan Kong, Li Zhi Tan, King Ung Hii and Cynthia Mui Lian Kon</i></p> |
| 1515 - 1530 | <p>Paper ID: 27</p> <p>Design and Implementation of RGB-type LED Visible Light Communication System (EE)</p> <p><i>Jonathan Tai Hong Sia, Melvin Chun Chiak Kho, King Ung Hii and Lisa Yong</i></p> |
| 1530 - 1545 | <p>Paper ID: 50</p> <p>Designing a control system based on SOC estimation of BMS for PV-Solar system (EE)</p> <p><i>Yonis Buswig, Ohirul Qays, Azuka Affam, Al-Khalid Othman, Norhuzaimin Julai, and Sim Sy Yi</i></p> |
| | TEA BREAK (SARAWAK CHAMBER FOYER, LEVEL 3) |

ORAL PRESENTATION SESSION 3 (Chemical, Mechanical, Manufacturing, Civil, Structural)

Wind Suite II, Level 3

Session Chair: Ir. Dr Ting Sim Nee

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| 1400 - 1415 | <p>Paper ID: 3</p> <p>Magnetically modified Melia azedarach for the removal of oxyanion (Cr2O42-) from aqueous solution (Chem.)</p> <p><i>Maria Nosheen, Muhammad Salman Salman, Syed Salman Shafqat, Syed Rizwan, Amir Azam Khan and Fatima Ijaz</i></p> |
| 1415 - 1430 | <p>Paper ID: 15</p> <p>Development of adhesion force evaluation equipment for nano diamond coated tool using grinding method (Mech.)</p> <p><i>Jinghua Li, Sojin Lee and Hyunkyue Kweon</i></p> |
| 1430 - 1445 | <p>Paper ID: 30</p> <p>Mathematical Model of Simultaneous Flow between Casson Fluid and Dust Particle over a Vertical Stretching Sheet (Mech.)</p> <p><i>Abdul Rahman, Mohd Kasim, Nur Syamilah Arifin, Syazwani Mohd Zokri</i></p> |
| 1445 - 1500 | <p>Paper ID: 37</p> <p>Bearing Strength Predictions of Single-Lap Woven Fabric Kenaf Composites Bolted Joints by Using Hashin Formulation (Mech.)</p> <p><i>Hilton Ahmad and Khairi Supar</i></p> |
| 1500 - 1515 | <p>Paper ID: 45</p> <p>Investigation of a Nano Composite Synthetic Fiber Using Nanotribological Measurement (Mech.)</p> <p><i>Rubiya Yasmin and Hyunkyue Kweon</i></p> |
| 1515-1530 | <p>Paper ID: 4</p> <p>A feasibility study of low-power laser trepanning drilling of composite using modified DVD writer (Mech.)</p> <p><i>Nurfairuz Nadirah Affandi, Khairul Fikri Tamrin, Amir Azam Khan, Kaveh Moghadasi and Mohd Ridzuan Mohamad Sharip</i></p> |
| 1530 - 1545 | TEA BREAK (SARAWAK CHAMBER FOYER, LEVEL 3) |

ORAL PRESENTATION SESSION 4 (Electrical, Electronic)

Deer Suite, Level 3

Session Chair: Assoc. Prof. Ir. Dr Lim Soh Fong

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| 1545 - 1600 | <p>Paper ID: 18</p> <p>Calibrated Analytical Model of Low Cost YL-69 Hygrometer Sensor for determining moisture content of fruit vegetable waste (EE)</p> <p><i>Jessie Rose, Jia Chi Lai, Yi Lung Then and Chamath Vithanawasam</i></p> |
| 1600 - 1615 | <p>Paper ID: 26</p> <p>Monitoring Black Pepper Farm by Implementing IoT (EE)</p> <p><i>Nabilah Omar</i></p> |
| 1615 -1630 | <p>Paper ID: 28</p> <p>The Computational Approximation for Microstrip Discontinuity (EE)</p> <p><i>Socheatra Soeung, Sovuthy Cheab and Pengwen Wong</i></p> |
| 1630 - 1645 | <p>Paper ID: 33</p> <p>An Experimental Study of the Effect of Cooling Method in Parabolic Solar Dish Concentrator for Power Generation using Thermoelectric Generator (EE)</p> <p><i>Aneurin Nanggar Nyandang, Baljit Singh and Raihan Abu Bakar</i></p> |
| 1645 - 1700 | <p>Paper ID: 34</p> <p>Johnson noise of CdX-P3HT nanocomposite (EE)</p> <p><i>Fatin Hana Naning, S. Malik, Lee Feng Koo, Tze Jin Wong and Pang Hung Yiu</i></p> |
| 1700 - 1715 | <p>Paper ID: 35</p> <p>Integration of Renewable Energy Sources Optimization in Sarawak Using GIS and MCDM-AHP (EE)</p> <p><i>Jong Far Chen, Musse Mohamud Ahmed and Denis Lee Hau Aik</i></p> |
| 1715 - 1730 | <p>Paper ID: 40</p> <p>Techno-economic Analysis of a Stand-alone Photovoltaic-Diesel Hybrid System for Rural Area in Sarawak (EE)</p> <p><i>Harmen Muda, Norhuzaimin Julai and Al-Khalid Othman</i></p> |
| 1730 - 1745 | <p>Paper ID: 19</p> <p>Simulation and Analysis of Electric Field Distributions in Stator Bar Insulation System with Different Arrangement of Cavities (EE)</p> <p><i>Hadi Nabipour, Daphne Tay Ye Chee, Zulkurnain Abdul Malek, Kamyar Mehranzamir, Jubaer Ahmed and Siingkieh Tiong</i></p> |
| 1745 - 1800 | <p>Paper ID: 63</p> <p>A Novel Authentication and Key Agreement Scheme for Countering MITM and Impersonation Attack in Medical Facilities (EE)</p> <p><i>Steve Olsen Michael, Adnan Shahid Khan, Yasir Javed, Anderson Lau Anak Bunsu, Chelsten Petrus, Heindwick George and Simon Jau</i></p> |

28 August 2019
(WEDNESDAY)

ORAL PRESENTATION SESSION 5 (Electrical, Electronic)

Wind Suite I, Level 3

Session Chair: Dr Khairul Fikri

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| 1545 - 1600 | <p>Paper ID: 44</p> <p>Motor Vibration Analysis for the Fault Diagnosis in Nonstationary Operating Conditions (EE)</p> <p><i>Jangwook Hur and Tanvir Alam Shifat</i></p> |
| 1600 - 1615 | <p>Paper ID: 46</p> <p>Bandwidth Enhancement of 5G Parallel Coupled Line Band Pass Filter Using Patterned Ground Structure Technique (EE)</p> <p><i>Umni Haziqah Morshidi, Dyg Norkhairunnisa Abang Zaidel, Norhudah Seman, Melvin Philip Attan, Dayang Azra Awang Mat and Mohd Ridhuan Mohd Sharip</i></p> |
| 1615 -1630 | <p>Paper ID: 48</p> <p>Design of Dumbbell Shaped DGS-Notch Patch Antenna for Microwave Imaging System (EE)</p> <p><i>Chee Ka Chin, Dayang Azra Awang Mat, Mohamad Nizam Truna, Dayang Norkhairunnisa Abang Zaidel, Shafrida Sahrani, Kismet Hong Ping, Kuryati Kipli and Annie Joseph</i></p> |
| 1630 - 1645 | <p>Paper ID: 53</p> <p>Operational Impact of Suspended Sediment on the Run-of-river Small Hydro Power Plants (EE)</p> <p><i>Engku Azrulhisham and Muhammad Arif Azri</i></p> |
| 1645 - 1700 | <p>Paper ID: 58</p> <p>Performances of SOMALOY 700 (5P) and SOMALOY 500 Materials under 1-D Alternating Magnetic Flux Density (EE)</p> <p><i>Ashraf Rohanim Asari, Youguang Guo and Jianguo Zhu</i></p> |
| 1700 - 1715 | <p>Paper ID: 68</p> <p>Breast Cancer Detection Based On Deep Learning Technique (EE)</p> <p><i>Nur Syahmi Ismail</i></p> |
| 1715 - 1730 | <p>Paper ID: 73</p> <p>Smart IoT-based Waste Monitoring System (EE)</p> <p><i>Alfred Tan Jia Yee, Lee Hui En, Chua Hong Siang and Ng Sing Muk</i></p> |
| 1730 - 1745 | <p>Paper ID: 74</p> <p>Optimal Microgrid Energy Scheduling with Variable Solar PV Generation (EE)</p> <p><i>Anan A. Dweekat and Mohamed Shaaban</i></p> |
| 1745 - 1800 | <p>Paper ID: 77</p> <p>Edge Based Obstacle Detection Model for Outdoor Type Obstacles (EE)</p> <p><i>Khairul Azim Bin Za'Aba and Bee Theng Lau</i></p> |

ORAL PRESENTATION SESSION 6 (Chemical, Mechanical, Manufacturing, Civil, Structural)
Wind Suite II, Level 3

Session Chair: Mohamad Syazwan Zafwan bin Mohamad Suffian

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| 1545 - 1600 | <p>Paper ID: 56</p> <p>Carbon Emission Reduction from Palm Oil Mill Effluent by Optimizing Control Factors of Anaerobic Digestion (Mech.)</p> <p><i>Malcolm Mussen Lamoh, Eugene Jackson Joy, Mamunur Rashid, Nazmus Shakib, and Shahidul Islam</i></p> |
| 1600 - 1615 | <p>Paper ID: 8</p> <p>Investigating rework: Insights from the Malaysian construction industry (Civil)</p> <p><i>Jeffrey Boon Hui Yap and Shi Min Tan</i></p> |
| 1615 -1630 | <p>Paper ID: 22</p> <p>Influence of Behaviour Factor for Seismic Design on Medium-Rise Reinforced Concrete Building (Civil)</p> <p><i>Raudhah Ahmadi, Jong Chun Seng, Nicholas Yau Kheng Wee and Azida Rashidi</i></p> |
| 1630 - 1645 | <p>Paper ID: 23</p> <p>Effect of Geotextile and Counter Berm for Stability of Road Embankment on Peat Underlying Soft Clay (Civil)</p> <p><i>Ahmad kamal Abd Aziz and Norazzlina M. Sa'don</i></p> |
| 1645 - 1700 | <p>Paper ID: 29</p> <p>Effect of column deformation for steel frames with semi-rigid connections (Civil)</p> <p><i>Shahrin Mohammad, Cher Siang Tan, Ahmad Baharuddin Abd Rahman and Yeong Huei Lee</i></p> |
| 1700 - 1715 | <p>Paper ID: 31</p> <p>Partial Strength Beam-to-column Connection of Cold-formed Single Channel Section: Numerical and Experimental Study (Civil)</p> <p><i>Faisal Amsyar, Hazlan Abdul Hamid, Mahmood Md Tahir, Shahrin Mohammad and Cher Siang Tan</i></p> |
| 1715 - 1730 | <p>Paper ID: 32</p> <p>The Perception Analysis of Industrialised Building System (IBS) Implementation for G7 Contractors in Kuching, Sarawak (Civil)</p> <p><i>Yee Yong Lee, Nurul Mizatul Qamarina Abdullah, Yeong Huei Lee and Hun Chuen Gui</i></p> |
| 1730 - 1745 | <p>Paper ID: 42</p> <p>Highway Topographic Survey and Modelling Using Photogrammetry: A Comparison (Civil)</p> <p><i>Chung Han Lim, Diana Wong, and Adriana Erica Amaludin</i></p> |
| 1745 - 1800 | <p>Paper ID: 43</p> <p>Assessment of Groundwater Abstraction for Factories in Klang, Selangor (Civil)</p> <p><i>Raksmey May and Muhamad Fuad Shukor</i></p> |