



IIUM ENGINEERING CONGRESS 2019

INNOVATION FOR SUSTAINABLE DEVELOPMENT

30 - 31 OCTOBER 2019

PUTRAJAYA INTERNATIONAL CONVENTION CENTRE

ICOM'19

7th IEEE INTERNATIONAL
CONFERENCE ON
MECHATRONICS
ENGINEERING
2019

ICMAE'19

5th INTERNATIONAL
CONFERENCE ON
MATHEMATICAL
APPLICATIONS IN
ENGINEERING
2019

ICAMME'19

4th INTERNATIONAL
CONFERENCE ON
ADVANCES IN
MANUFACTURING AND
MATERIALS
ENGINEERING 2019

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Parallel Technical Sessions 1, Wednesday, 30 October 2019: 14.00 – 16.30			
Time	Chairperson: Assoc. Prof. Dr. Tanveer Saleh Co-chair: Dr. Ab Halim Embong Venue: Hall 4A RA: Robotic & Automation	Chairperson: Assoc. Prof. Dr Mahbubur Co-chair: Assist. Prof Dr. Azhar Ibrahim Venue: Hall 4B ISMV: Intelligent system and machine vision	Chairperson: Assoc Prof. Fauziah Toha Co-chair: Dr Nik Wahidah Venue: Hall 4C HER: Healthcare Engineering and Rehabilitation
14.00 – 14.20	Paper ID: 01 Hybrid Robust Control for Payload Sway of A 2d Overhead Crane <i>Auwalu Abdullahi and Zaharaddin Mohammed</i> Nigeria	Paper ID: 05 Comparison of Machine Learning Classifiers for dimensionally reduced fMRI data using Random Projection and Principal Component Analysis <i>Farahana Suhaimi and Zaw Zaw Htike</i>	Paper ID: 10 Optimal Linear Quadratic Gaussian Torque Controller (LQG) for Upper Limb Rehabilitation <i>Shawgi Younis Ahmed Mounis, Norsinnira Zainul Azlan and Sado Fatai</i>
14.20 – 14.40	Paper ID: 02 A Comparative Study of PD, LQR and MPC on Quadrotor Using Quaternion Approach <i>Maidul Islam and Mohamed Okasha</i>	Paper ID: 11 State-driven Architecture Design for Safety-critical Software Product Line <i>Mozamil Ebnauf, Hanny H. Ammar, Mohamed Abdelhamid, Walid Abdelmoez and Aisha Hassan</i>	Paper ID: 25 Securing Medical Data Transmission Systems Based on Integrating Algorithm of Encryption and Steganography <i>Muhammed Mahdi Hashim, Mustafa Sabah Taha, Azana Hafizah Mohd Aman, Aisha Hassan Abdalla Hashim and Mohd Shafry Mohd Rahim</i>
14.40 – 15.00	Paper ID: 07 Lane Detection on Embedded Platform for Advanced Driver Assistance System (ADAS) <i>Nurul Syuhada Ahmad Rudin, Yasir Mohd. Mustafah, Nurul Hidayah Mahamud, Hasan Firdaus Mohd. Zaki, Zulkifli Zainal Abidin and Hasbullah Abd. Rahman</i>	Paper ID: 12 Performance Evaluation of Scenario-aware Protocol for Producer Mobility Support in NDN <i>Muhammed Zaharadeen Ahmed, Aisha Hassan Abdalla Hashim, Othman Omran Khalifa, Huda Adibah Bt. Mohd. Ramli and Afaf Mirghani Hassan</i>	Paper ID: 34 A Wideband Millimeter-Wave Printable Antenna on Flexible Substrate for Breast Cancer Imaging <i>Md.Shazzadul Islam, Muhammad I. Ibrahimy, S. M. A. Motakabber, A. K. M. Zakir Hossain and S. M. Kayser Azam</i>