

First International Conference on
Electrical Energy and Power Engineering 2020 (ICEEPE 2020)

02, November 2020 | Pinang, Malaysia | www.iceepe.com

Programme Schedule

Date	Time	Event
02.11.2020	09.30 am	Inaugural Address: Dr. Nor Azlan Othman
02.11.2020	09.45 am	Keynote 1
02.11.2020	10.15 am	Keynote 2
02.11.2020	11.00 am to 04.30 pm	Session 1
		Session 2
		Session 3
		Session 4
		Session 5

Note: All the Given Timings are Malaysian Time

Renewable Energy and Energy Management Research Group



Cawangan Pulau Pinang
Kampus Permatang Pauh
Kampus Bertam



Starting Time	Paper ID	Paper Title
11 am	EPE 1012	Fault Diagnosis And Troubleshooting On 2.1kW Grid-Connected Photovoltaic Power System In UiTM Pulau Pinang
11.20 am	EPE 1043	Optimum Location of DG for Loss Reduction With Ant Colony Algorithm
11.40 am	EPE 1061	Design, Simulation and Analysis of Monofacial Solar PV Panel Based Energy System for University Residence: A Case Study
12 noon	EPE 1063	A Study on Sodium - the Fast Breeder Reactor Coolant
12.20 pm	EPE 1066	Performance Evaluation of a 200 kWp Grid Tied Solar Power Plant
12.40 pm	EPE 1067	Design of Piezo-Resistive Type Acoustic Vector Sensor using Graphene for Underwater Applications
02.00 pm	EPE 1079	Thermal Analysis of a Thermoelectric Generator (TEG) using FEM technique
02.20 pm	EPE 1084	Tuning and experimental assessment of second-order generalized integrator –frequency locked loop grid synchronization for single-phase grid assisted system
02.40 pm	EPE 1098	Implementation of Control Structures to Allow High Penetration of a VSC within an Isolated Power System
03.00 pm	EPE 2015	Simulation and Experimental Validation of Hysteresis Current Control Technique for Speed Control of Brushless DC Motor
03.20 pm	EPE 2023	The influence of electromagnetic waves on conductivity tensor in the presence of laser field in quantum wells with parabolic potential for the case of electrons-acoustic phonon scattering
03.40 pm	EPE 2026	Effective Load Management System for Sudden Shutdown Avoidance of Stand Alone Photovoltaic Operation
04.00 pm	EPE 2051	Investigative Analysis of Match-Line Sensing Schemes in TCAM for High Speed Performance
04.20 pm	EPE 2056	Evaluating RMS based Continuous S-Transform with Deep Learning for Detecting and Classifying Voltage Sag and Swell
04.40 pm	EPE 2065	Smart Soft-switching Switchover Circuit for Dual-power PV-grid System Energy

Track : Electrical Engineering (Session 1)
Paper ID : **EPE1012 – EPE1079**
Session-in-charge :
1. **Name** : **Aimi Idzwan Tajudin**
2. **Designation** : **Senior Lecturer**
3. **Affiliation** : **Ir**
4. **Email I'd** : **aimi.idzwan@uitm.edu.my**
5. **WhatsApp number** : **+60195414156**

Track : Electrical Engineering (Session 1)
Paper ID : **EPE1084 – EPE2065**
Session-in-charge :
1. **Name** : **Wan Salha Saidon**
2. **Designation** : **Senior Lecturer**
3. **Affiliation** : **Mrs**
4. **Email I'd** : **wansalha@uitm.edu.my**
5. **WhatsApp number** : **+60195566259**

Starting Time	Paper ID	Paper Title
11 am	EPE 1031	Neural Networks Algorithm for Arabic Language Features-Based Text Mining
11.20 am	EPE 1056	Presentation on +2.5% Improvement in generation utilizing Anti soiling modules based on Anti soiling technology
11.40 am	EPE 1058	Single-Mode Optical Fibers Coupling: Study of the Field of View
12 noon	EPE 1068	Implementation of Sobel Filter Using CUDA
12.20 pm	EPE 1092	SMART AERIAL MONITORING SYSTEM TO PREVENT HUMAN WILDLIFE INTERVENTION
12.40 pm	EPE 2012	Video quality evaluation and testing verification of H.264, HEVC, VVC and EVC video compression standards
02.00 pm	EPE 2014	Design and VLSI Implementation of a Decimation filter for Hearing Aid Applications
02.20 pm	EPE 2037	AE Signature Analysis using Continuous and Discrete Wavelet Transforms to predict Grinding Wheel Conditions
02.40 pm	EPE 2041	SCPI based Integrated Test and Measurement Environment using Labview
03.00 pm	EPE 2046	Design And Implementation Of FEC For CDMA System
03.20 pm	EPE 2058	Dual band antenna array with non-uniform excitations and defected ground for 5G mm wave applications
03.40 pm	EPE 2061	Hand Gesture Recognition on Python and OpenCV

Track : Electronics (Session 2)
Paper ID : **EPE1031 – EPE2012**
Session-in-charge :
1. **Name** : **Samsul Setumin**
2. **Designation** : **Senior Lecturer**
3. **Affiliation** : **Ir Ts Dr**
4. **Email I'd** : **samsuls@uitm.edu.my**
5. **WhatsApp number** : **+60194122011**

Track : Electronics (Session 2)
Paper ID : **EPE2014 – EPE2061**
Session-in-charge :
1. **Name** : **Kamarulazhar Daud**
2. **Designation** : **Senior Lecturer**
3. **Affiliation** : **Ts Dr**
4. **Email I'd** : **kamarul395@uitm.edu.my**
5. **WhatsApp number** : **+60194571179**

Starting Time	Paper ID	Paper Title
11 am	EPE 1020	Porous as an intermediate buffer layer for nanocrystalline SnO ₂
11.20 am	EPE 1021	Electrochemical Self-Assembly of bunch-shaped ZnO nanowire without catalysts
11.40 am	EPE 1035	Influence of Nb and Zr co-doping on the structural, morphological and dielectric properties of CaCu ₃ Ti ₄ O ₁₂ ceramics
12 noon	EPE 1040	Synthesis and Characterization of Metal-Organic Framework (MOF) CoBTC as Non-Enzymatic Electrochemical Biosensor for Glucose
12.20 pm	EPE 1060	A graphene-modified Co-BDC metal-organic frameworks (Co-MOF) for electrochemical non-enzymatic glucose sensing
12.40 pm	EPE 1062	Fabrication and Characterization of Epoxy Resin–Barium Titanate at G-Band Using Waveguide Technique
02.00 pm	EPE 2008	Comparison of reducing agent for reduced graphene oxide as cathode for zinc-ion hybrid capacitors
02.20 pm	EPE 2018	Biofilm of Bacillus licheniformis for Detecting Phenol Compounds by Electrochemical Method
02.40 pm	EPE 2043	Extraction of microbial chitosan for piezoelectric application
03.00 pm	EPE 2039	Lifetime Study of White Organic Light Emitting Diodes Fabricated by Both Solution and Vacuum Evaporation Processes
03.20 pm	EPE 2048	Crystal structure and optical properties of non-vacuum solution-based processed Cu ₂ ZnSnS ₄ (CZTS) thin-film

Track : Physics (Session 3)
Paper ID : **EPE1020 – EPE1062**
Session-in-charge :
1. **Name** : **Nor Salwa Damanhuri**
2. **Designation** : **Senior Lecturer**
3. **Affiliation** : **Ir Dr**
4. **Email I'd** : **norsalwa071@uitm.edu.my**
5. **WhatsApp number** : **+601138715853**

Track : Physics (Session 3)
Paper ID : **EPE2008 – EPE2048**
Session-in-charge :
1. **Name** : **Mohd Suhaimi Sulaiman**
2. **Designation** : **Senior Lecturer**
3. **Affiliation** : **Ts Dr**
4. **Email I'd** : **shemi@uitm.edu.my**
5. **WhatsApp number** : **+60173662952**

Starting Time	Paper ID	Paper Title
11 am	EPE 1019	Automatic Robotic Scanning and Inspection Mechanism for Mines using IoT
11.20 am	EPE 1023	Free vibrations of rectangular plates simply supported at two opposite edges and elastically restrained at the two other edges. An analytical and a semi-analytical methods.
11.40 am	EPE 1037	Descriptive Analysis on Products/Services demand and Market conspectus: A quantitative approach
12 noon	EPE 1045	Linear and nonlinear vibrations of isotropic rectangular plates resting on full or partial line supports
12.20 pm	EPE 1053	Residual Stress Analysis of Friction Stir Welded AA6063 Pipe Butt Joint by Neutron Diffraction Technique of ENGIN-X
12.40 pm	EPE 1065	A Semi analytical method for in-plane free vibrations of arches with a variable curvature
02.00 pm	EPE 1070	A bibliometric Analysis on Path Planning Methods for Mobile Robots Published in Scientific Citation Index-Expanded Indexed Journals Between 2000-2020
02.20 pm	EPE 1097	Cosmic acceleration in LRS bianchi type I space- time with bulk viscosity in general relativity
02.40 pm	EPE 1099	Experimental investigations on indirect contact type liquid desiccant cooling systems for high latent heat load application
03.00 pm	EPE 2017	Simulation of Exhaust Gas Energy Recovery System Using Turbo-compounding for a Motorcycle Engine

Track : Mechanical Engineering (Session 4)

Paper ID : **EPE1019 – EPE1065**

Session-in-charge :

1. **Name** : **Nor Azlan Othman**
2. **Designation** : **Senior Lecturer**
3. **Affiliation** : **Dr**
4. **Email I'd** : **azlan253@uitm.edu.my**
5. **WhatsApp number** : **+60173980434**

Track : Mechanical Engineering (Session 4)

Paper ID : **EPE1070 – EPE2017**

Session-in-charge :

1. **Name** : **Mohd Affandi Shafie**
2. **Designation** : **Senior Lecturer**
3. **Affiliation** : **Ts**
4. **Email I'd** : **mohdaffandi370@uitm.edu.my**
5. **WhatsApp number** : **+60134886604**

Starting Time	Paper ID	Paper Title
11 am	EPE 1086	A review on training and leadership development: its effectiveness for enhancing employee performance in Indian construction industry
11.20 am	EPE 1088	Investigating the fast cooling process of silicene by MD simulation
11.40 am	EPE 1090	Improved Progressive Collapse Resistance of Irregular Reinforced Concrete Flat Slab Buildings under Different Corner Column Failures
12 noon	EPE 1095	Production of High Strength Bioliquid from Municipal Solid Waste (MSW) Using Mixed Culture
12.20 pm	EPE 2007	Cold forging of Silicon Carbide Particulate (SiCp) reinforced Aluminium metal matrix composite preforms

Track : Civil Engineering – Building Structures (Session 5)

Paper ID : **EPE1086 – EPE2007**

Session-in-charge :

1. **Name** : **Soffian Noor Mat Saliah**
2. **Designation** : **Senior Lecturer**
3. **Affiliation** : **Dr**
4. **Email I'd** : **soffi581@uitm.edu.my**
5. **WhatsApp number** : **+60134888948**