Saturday, 5 August 2017

08:30 - 09:00 Welcome Coffee Break
09:00 - 09:40 Registration
09:40 - 09:45 Opening Speech

**Room 1:** 9:45-10:15
Keynote Speech 1: **PROF. DR. GHASEM D. NAJAFPOUR**,
*Enhanced Energy Recovery and Wastewater Treatment Efficiency in Microbial Desalination Cell*

**Room 1:** 10:15 - 10:30 AM Coffee Break

**Room 1:** 10:30-11:00
Keynote Speech 2: **PROF. DR. NORANI MUTI MOHAMED**,
*Nanotechnology for Sustainable Energy*

**Room 1:** 11:00-11:15
Paper No. **1151**
Efficiency of Phytofabrication for Synthesising Iron Nanoparticles with Consistent Properties
Mr. Adam Truskewycz

**Room 1:** 11:15-11:30
Paper No. **1135**
Isolation and Characterization of NCC from Corncob Waste Using H$_2$SO$_4$ Hydrolysis Method
Professor Ridho Nawansyah

**Room 1:** 11:30-11:45
Paper No. **1229**
Biological Oil Removal from Seawater by Flexible Nano Ceramic Membrane
Miss Shijing Xiao

**Room 1:** 11:45-12:00
Paper No. **1090**
Magnetic Characteristics of Zn$_{(1-x)}$Mn$_x$O (0.06≤x≤0.10) Nanoparticles Synthesized by the Co-precipitation Method
Dr. Heru Harsono Harsono

**Room 1:** 12:00-12:15
Paper No. **1048**
Developing of Corrosion Resistance Nano Copper Oxide Coating on Copper Using Anodization in Oxalate Solution
Mr. M.Hameed Mahmood

**Room 1:** 12:15-12:30
Paper No. **1134**
Characterization and Tensile Properties of Sago Starch Biocomposites Filled with Nanocrystalline Cellulose Using Acetic Acid as Co-plasticizer
Dr. Yayang Afandy
Room 1: 12:30-12:45  
Paper No. 1250  
Effect of Nano-clay on Piping Erosion in Earth Dams  
Dr. Seyed Mohammad Ali Zomorodian

Room 2: 11:00-11:15  
Paper No. 1094  
Density Measurement of Aqueous Solution of Tbaoh at Different Temperature and Concentration  
Miss Nur Ani Kartikawati

Room 2: 11:15-11:30  
Paper No. 1140  
Amino Acid Ionic Liquid as Gas Hydrate Mitigation in Subsea Pipelines: A Review  
Miss Naathiya Mannar

Room 2: 11:30-11:45  
Paper No. 1234  
Analysis of Marine Fuels in Seawater Using Fourier Transform Infrared Spectroscopy (FTIR)  
Miss Yingmin Liu

Room 2: 11:45-12:00  
Paper No. 1217  
Sonochemical Degradation of C4 Perfluorosurfactants: The Role of Cavitation Bubble Surface Sorption  
Professor Michael Hoffmann

Room 2: 12:00-12:15  
Paper No. 1190  
Immobilization of Chaetoceros Sp. Biomass with Silica-Fe₃O₄ Coating and Adsorption Studies towards Cu (II) Ion Solution  
Dr. Buhani Buhani

Room 2: 12:15-12:30  
Paper No. 1071  
Effect of CO₂ Loading on the Corrosion of Carbon Steel in Mixed Solution of N-methyldiethanolamine and Arginine  
Dr. Abdelbaki Benamor

Room 2: 12:30-12:45  
Paper No. 1142  
A Pressure-temperature Model of a Transmission Pipe during Gas Venting Process  
Mr. Aditya Firman Ihsan

12:45-14:00  LUNCH
Room 1: 14:00-14:15
Paper No. 1057
Investigation of the Photocatalytic Activity Variation of the Coated MWCNTs with Zno Nanoparticles
Dr. Sedigheh Abbasi

Room 1: 14:15-14:30
Paper No. 1066
Industry 4.0 Education Out of a Suitcase
Mr. Martin Schloesser

Room 1: 14:30-14:45
Paper No. 1182
Selective Separation of the Bioactive Compounds via Nanotechnology
Dr. Alireza Amiri

Room 1: 14:45-15:00
Paper No. 1216
Biological and Electrochemical Wastewater Treatment in Decentralized Facilities Designed for Use in the Developing World
Professor Michael Hoffmann

Room 1: 15:00-15:15
Paper No. 1112
Theoretical Study of Hydrogen Atom Transfer Mechanism in Tetrahydrocurcumin
Miss Lusia Sillia Pulo Boli

Room 1: 15:15-15:30
Paper No. 1056
Implementation of Eye-tracking Technology in Holonic Manufacturing Systems
Mrs. Claudia Fussenecker

Room 2: 14:00-14:15
Paper No. 1169
Investigation of Erosion Behaviour of Coated GFRP Composites for Wind Turbine Applications
Mr. Tarek Ali Elmelegy

Room 2: 14:15-14:30
Paper No. 1126
Rubidium Extraction from Seawater Brine by an Integrated Membrane Distillation-selective Sorption System
Professor Saravanamuthu Vigneswaran

Room 2: 14:30-14:45
Paper No. 1080
An Evaluation of Fracture Toughness and Fatigue Crack Growth Behaviour of Die Steels
Mr. Santosh Kumar
**Room 2:** 14:45-15:00  
Paper No. 1084  
Numerical Dynamic Simulation of Vacuum Membrane Distillation Plant  
Dr. Ashraf Hassan

**Room 2:** 15:00-15:15  
Paper No. 1189  
Experimental Evaluation of Fish Feeder Machine Controller System  
Assoc. Prof. Ainul Husna Md Yusoff

**Room 2:** 15:15-15:30  
Paper No. 1055  
Flow of Unsteady Second Grade Nanofluid Past a Permeable Surface  
Professor Muhammad Ramzan

15:30 - 18:00  
PM Coffee Break and  
Poster Preparation and Presentation
Room 1: 8:00-8:15
Paper No. 1253
The Effect of Nano-silica and Crumb Rubber on Concrete Strength
Dr. Ali Hassani Joshaghani

Room 1: 8:15-8:30
Paper No. 1235
Forecasting and Decomposing Energy Consumption Using the Gm (1, 1) Model and the Information Entropy: The Case of Hunan Province of China
Dr. Chuanchang Li

Room 1: 8:30-8:45
Paper No. 1082
A Very High Efficiency and High Gain Two Stacked Cylindrical Dielectric Resonator Antenna (Sc CDRA) for Anti-collision Long Range Radar (LRR) Application
Dr. RAIS Khalid

Room 1: 8:45-9:00
Paper No. 1251
Applying Network Centrality Topologies to Explore the Complexity of Interaction in Software Development Project
Dr. Fahad Harbi

Room 1: 9:00-9:15
Paper No. 1145
Voice Recognition Controlled Smart Home System Using Amazon’s Alexa
Mr. Waris Rattananimit

Room 1: 9:15-9:30
Paper No. 1205
Deep Convolutional-based Medical Retrieval System Using Radon Transformation
Mr. Amin Khatami

Room 1: 9:30-9:45
Paper No. 1206
Regularization in Deep Structural Networks on Pathology Images
Mr. Amin Khatami

Room 1: 9:45-10:00
Paper No. 1166
Nanoparticle Addition as an Alternative Method for Quality Improvement of Silk Dyeing Effluent Discharge
Assist. Prof. Waraporn Kosanlavit

Room 2: 8:00-8:15
Paper No. 1237
The Reliability of Attitude/Motivation Test Battery (AMTB) In Iran as an EFL Context
Dr. Masoomeh Khodadad
**Room 2:** 8:15-8:30  
**Paper No. 1238**  
Language Learning Strategies in EFL Context  
Dr. Masoomeh Khodadad

**Room 2:** 8:30-8:45  
**Paper No. 1219**  
Genetic Variation in Flowering Time of Soybean Based on DNA Markers  
Assoc. Prof. Ngon Trong Ngon

**Room 2:** 8:45-9:00  
**Paper No. 1220**  
SNP Marker Application for Identification of Gene Variation Relating to Flowering Time in Soybean  
Assoc. Prof. Ngon Trong Ngon

**Room 2:** 9:00-9:15  
**Paper No. 1143**  
Antioxidant Rich Natural Dyes Derived from Natural Materials Variations  
Dr. Nurnisa Hamid

**Room 2:** 9:15-9:30  
**Paper No. 1081**  
Soybean and Corn Intercropping on the Different Lime and Husk Ash Dose under Saturated Soil Culture on Tidal Swamp  
Professor Munif Ghulamahdi

**Room 2:** 9:30-9:45  
**Paper No. 1248**  
Fertigation as a Technique to Save Irrigation Water and Fertilizers and Increase Crop Yield  
Dr. Asad Alkhader

**Room 2:** 9:45-10:00  
**Paper No. 1210**  
IVRs Based Healthcare Monitoring System  
Assist. Prof. Samkirubhakaran M

**10:00 - 10:15 AM Coffee Break**

**Room 1:** 10:15-10:30  
**Paper No. 1118**  
Research on the Immediate Update Of Topographic Maps With The UAV Technology  
Dr. Yu Wen Chen
**Room 1:** 10:30-10:45  
Paper No. **1119**  
Study on SFM Technology in Enhancing Integrity of Historical Architecture Digitalization  
Dr. Yu Wei Chang

**Room 1:** 10:45-11:00  
Paper No. **1091**  
Culture and Resources on the Innovativeness of Shipbuilding Companies in Sarawak: Moderating Role of External Factors  
Assoc. Prof. Ahmed Mohammed Kamaruddeen

**Room 1:** 11:00-11:15  
Paper No. **1092**  
Culture and External Factors on the Innovativeness of Shipbuilding Companies in Sarawak: Moderating Role of Company Resources  
Assoc. Prof. Ahmed Mohammed Kamaruddeen

**Room 1:** 11:15-11:30  
Paper No. **1231**  
Treatment by Coagulation Flocculation Process of Landfill Leachate in Morocco  
Dr.-Ing. Meriem Abouri

**Room 1:** 11:30-11:45  
Paper No. **1093**  
Numerical Simulation on Mitigation and Adaptation Effects to Urban Heat Island Countermeasure Using Retro Reflection Material as Building Exterior Wall  
Professor Atsumasa Yoshida

**Room 1:** 11:45-12:00  
Paper No. **1146**  
Effect of Variation in Number of Bays and Storeys on the Seismic Vulnerability of Deficient Reinforced Concrete Structures  
Mr. Muhammad Usman Ali

**Room 1:** 12:00-12:15  
Paper No. **1148**  
Structural Behavior of Ferrocement Beams Incorporating Polypropylene Fibers and Silica Fumes  
Mr. M. Omair Jamil

**Room 2:** 10:15-10:30  
Paper No. **1244**  
Green Synthesis of Nickel Ferrite (NiFe$_2$O$_4$) Nanoparticles Using Leaf Extract of Gambir (Uncaria Gambir Roxb.)  
Mr. Yasir Amrulloh
Room 2: 10:30-10:45  
Paper No. 1212  
The Effect Ethylene Glycol on Stabilization of Green Synthesized Ag-nanoparticles  
Dr. Syukri Arief

Room 2: 10:45-11:00  
Paper No. 1240  
The Using of Alkanolamine Compound as Capping Agent on Green-synthesis of Silver Nanoparticles  
Ms. Arniati Labanni

Room 2: 11:00-11:15  
Paper No. 1067  
Evaluating Shear Viscosity of Expanded Sodium- Thermodynamic States Dependence  
Assist. Prof. Alihossein Mohammad Zaheri

Room 2: 11:15-11:30  
Paper No. 1059  
Oxidative Transformation of Organic Functional Groups with Silica Gel Supported Green Ruthenium Catalyst  
Dr. Mohammed Ali

Room 2: 11:30-11:45  
Paper No. 1159  
Effect of Process Parameters on the Surface Roughness Produced During Machining of Ceramics Using AWSJ  
Dr. Anjaiah Devineni

Room 2: 11:45-12:00  
Paper No. 1117  
Study on Self-excited Thermoacoustic Engines Equipped with Thermally Inductive Porous Media  
Professor Boe-Shong Hong

Room 2: 12:00-12:15  
Paper No. 1195  
Effect of Lubricant Formulations on the Friction Performance of Diamond-Like Carbon (DLC) Coated Direct-acting Valve Train Components  
Mr. Rehan Zahid

12:15 - 13:00 Closing Ceremony and Best Presenter Award

13:00 - 14:00 LUNCH