

15 <sup>TH</sup> AUGUST 2018, WEDNESDAY				
0700-0800	Registration			
0800-0810	Welcoming Speech <b>Prof. Dato' Wira Dr. Mohd Salled Hj. Din - TUSB Chairman</b> (GRAND BALL ROOM)			
0810-0830	Opening Ceremony Speech <b>Dato' Profesor Dr. Zul Azhar Zahid Jamal - VC UniMAP</b> (GRAND BALL ROOM)			
0830-0930	Keynote Speaker <b>Datuk Ir Haji Mohamad Dalib</b> "Millenium Automotive: Goverment Agency, UniMAP and Industry collaboration on vehicle safety" (GRAND BALL ROOM)			
0930-1000	Photo Session & Tea Break			
1000-1100	Keynote Speech <b>Prof. Ir. Dr. R. Badlishah Ahmad</b> "IR4.0: Issues and Challenges" [ICASSDA ROOM] (ROOM 1)			
	Keynote Speech <b>Prof. Dr. Naoki Maruyama</b> "Waste Treatment using Thermal Technology" [ICAMIA ROOM] (ROOM 2)			
	Keynote Speech <b>Prof. Dr. Atsunori Matsuda</b> "Design Nanocomposite membranes for next generation high temperature polymer electrolyte fuel cells" [ISME ROOM] (ROOM 3)			
	Keynote Speech <b>Associate Prof Sr. Dr. Mohammad Fadhil Mohammad</b> "The Application of BIM in IBS implementation employing Mechanical and Automation through the Design for Manufacturing and Assembly (DfMA) approach" [ICOBET ROOM] (ROOM 4)			
1100-1300	<b>SESSION A1</b> [ICASSDA ROOM] (ROOM 1)	<b>SESSION B1</b> [ICAMIA ROOM] (ROOM 2)	<b>SESSION C1</b> [ISME ROOM] (ROOM 3)	<b>SESSION D1</b> [ICOBET ROOM] (ROOM 4)
1300-1400	LUNCH BREAK			
1400-1600	<b>SESSION A2</b> [ICASSDA ROOM] (ROOM 1)	<b>SESSION B2</b> [ICAMIA ROOM] (ROOM 2)	<b>SESSION C2</b> [ISME ROOM] (ROOM 3)	<b>SESSION D2</b> [ICOBET ROOM] (ROOM 4)
1600-1620	TEA BREAK			
1620-1800	<b>SESSION A3</b> [ICASSDA ROOM] (ROOM 1)	<b>SESSION B2</b> [ICAMIA ROOM] (ROOM 2)	<b>SESSION C3</b> [ISME ROOM] (ROOM 3)	<b>SESSION D3</b> [ICOBET ROOM] (ROOM 4)

16 <sup>TH</sup> AUGUST 2018, THURSDAY				
0700-0830	Registration			
0830-0930	Keynote Speaker <b>Prof Dr Ali Selamat</b> "Distributed Multimedia Interactive Systems"			
0930-1000	Tea Break			
1000-1300	<b>SESSION A4</b> [ICASSDA ROOM] (ROOM 1)	<b>SESSION B3</b> [ICAMIA ROOM] (ROOM 2)	Keynote Speech <b>Prof. Dr. Takashi Sakikawa</b> "What is the Malaysian style of management?" [ICOSIT ROOM] (ROOM 3) (10:00-11:00)  <b>SESSION E1</b> [ICOSIT ROOM] (ROOM 3)	<b>SESSION C4</b> [ISME ROOM] (ROOM 4)
1300-1400	LUNCH BREAK			
1400-1600	Keynote Speech <b>Prof. Dr. Ryojun Ikeura</b> "Human-Robot Cooperative System" (14:00-15:00)  <b>SESSION A5</b> [ICASSDA ROOM] (ROOM 1)	<b>SESSION B4</b> [ICAMIA ROOM] (ROOM 2)	<b>SESSION E2</b> [ICOSIT ROOM] (ROOM 3)	<b>SESSION C5</b> [ISME ROOM] (ROOM 4)
1600-1620	TEA BREAK			
1620-1800	<b>SESSION A6</b> [ICASSDA ROOM] (ROOM 1)	<b>SESSION B4</b> [ICAMIA ROOM] (ROOM 2)	<b>SESSION E3</b> [ICOSIT ROOM] (ROOM 3)	

17 <sup>TH</sup> AUGUST 2018, FRIDAY	
0700-0800	Registration
0800-0830	<p>Keynote Speech</p> <p><b>Assoc. Prof. Dr. Shahrizan Abu Bakar</b></p> <p>“The Future of Autonomous vehicle: The Journey of producing Unimap own retro themed hybrid powered intelligent energy efficient vehicle”</p> <p>[ICASSDA ROOM] (ROOM 1)</p>
	<p>Keynote Speech</p> <p><b>Dr. Sam Sung Ting</b></p> <p>“Environment Sustainability: Strategies and Green Product Development”</p> <p>[ICAMIA ROOM] (ROOM 2)</p>
	<p>Keynote Speech</p> <p><b>Dr. Zunaidi Ibrahim</b></p> <p>“Contract Research: Income Generation through Research and Development (R&amp;D) with Automation KAIZEN Project for Case Study in Manufacturing Assembly Line”</p> <p>[ISME ROOM] (ROOM 3)</p>
	<p>Keynote Speech</p> <p><b>Ir. Dr. Zuradzman Mohamad Razlan</b></p> <p>“Air conditioner design according to air psychrometry and thermal comfort”</p> <p><b>Assoc. Prof. Dr. Wan Khairunizam</b></p> <p>“Ontological Approach on Describing Engineering Knowledge in Artificial Intelligence (AI)”</p> <p>[ICOBET ROOM] (ROOM 4)</p>
0830-0900	TEA BREAK

17 <sup>TH</sup> AUGUST 2018, FRIDAY				
0830-1000	<b>SESSION A7</b> [ICASSDA ROOM] (ROOM 1)	<b>SESSION B5</b> [ICAMIA ROOM] (ROOM 2)	<b>SESSION E4</b> [ICOSIT ROOM] (ROOM 3)	<b>SESSION D4</b> [ICOBET ROOM] (ROOM 4)
1000-1020	TEA BREAK			
1020-1200	<b>SESSION A8</b> [ICASSDA ROOM] (ROOM 1)	<b>SESSION B5</b> [ICAMIA ROOM] (ROOM 2)	<b>SESSION E5</b> [ROOM ICOSIT] (ROOM 3)	<b>SESSION D5</b> [ICOBET ROOM] (ROOM 4)
1200-1400	LUNCH BREAK			
1400-1600	<b>SESSION A9</b> [ICASSDA ROOM] (ROOM 1)	<b>SESSION B6</b> [ICAMIA ROOM] (ROOM 2)	<b>SESSION E6</b> [ROOM ICOSIT] (ROOM 3)	
1600-1620	TEA BREAK (DISMISS)			

## TECHNICAL SESSION

### ISME 2018

The 4<sup>th</sup> International Conference on Innovative and Sustainable Material Engineering  
15 August 2018 (Wednesday) – ISME ROOM / ROOM 3

#### SESSION C1 (11:00 – 13:00)

*Chaired by Dr. Norshahida Binti Sarifuddin*

- ISME2018:8-3-0002 **Composite Cathode of NMC particles and Li<sub>3</sub>PS<sub>4</sub>-LiI Electrolytes Prepared using the SEED Method for All-Solid-State Lithium Batteries**  
Reiko Matsuda
- ISME2018:8-3-0003 **Potential of Nano-Fluid Application in Deep Well Drilling Operation Challenges**  
Abdul Razak Ismail
- ISME2018:8-3-0006 **Hydrolysis of empty fruit bunch (EFB) using green solvent**  
Azifah Binti Ibrahim
- ISME2018:8-3-0007 **Optimizing Yield of Microcrystalline Cellulose (MCC) from Empty Fruit Bunch (EFB) via Hydrolysis using Ionic Liquid (IL)**  
Azifah Binti Ibrahim
- ISME2018:8-3-0008 **Effect of Emulsion Temperature on Properties of Conductive Epoxy Porous Prepared by Single Emulsion Technique**  
Anusha Leemsuthep a/p Am Phan
- ISME2018:8-3-0011 **Ethylene Vinyl Acetate/Carbonized Wood Fibre Composites: The effect of zinc chloride content on tensile properties, electrical properties and thermal degradation**  
Mohd Hanif Bin Mohd Pital

## TECHNICAL SESSION

### ISME 2018

The 4<sup>th</sup> International Conference on Innovative and Sustainable Material Engineering  
15 August 2018 (Wednesday) – ISME ROOM / ROOM 3

#### **SESSION C2 (14:00 – 16:00)**

*Chaired by Dr. Elammaran Jayamani*

- ISME2018:8-3-0010 **Effect of Graphite Loading and Addition of Ferric Chloride (FeCl<sub>3</sub>) on the Properties of Poly (Vinyl Chloride)/Poly (Ethylene Oxide)/Graphite Conductive Films**  
Siti Hajar Mohd Din
- ISME2018:8-3-0009 **Properties of Regenerated Cellulose Films from Microcrystalline Cellulose/Paddy Straw**  
Farah Norain Binti Hahary
- ISME2018:8-3-0012 **Effect of Fly ash content and applied load on wear behaviour of AA6063 aluminium alloy**  
Dayang Laila Majid
- ISME2018:8-3-0017 **Effect of Oregano Essential Oil on the Properties of Mango Kernel Starch Films**  
Norshahida Binti Sarifuddin
- ISME2018:8-3-0019 **Optimization of the product of cellulose nanocrystals from coconut husks**  
Nurdiana Othman
- ISME2018:8-3-0020 **Tensile Properties and Crystallinity of Crosslinked Nanocrystalline Cellulose/Chitosan Composite**  
Pei Gie Gan

## TECHNICAL SESSION

### ISME 2018

The 4<sup>th</sup> International Conference on Innovative and Sustainable Material Engineering  
15 August 2018 (Wednesday) – ISME ROOM / ROOM 3

#### **SESSION C3 (16:20 – 18:00)**

*Chaired by Dr. Mohamad Kahar Ab Wahab*

- ISME2018:8-3-0016 **Application of Response Surface Methodology to Investigate the Effect of Different Variables on Fusion Slagging Index**  
Noorfidza Binti Yub Harun
- ISME2018:8-3-0005 **Effect of evaporation time on characteristics of PSf/CAP/PVP blend membranes**  
Asmadi Ali
- ISME2018:8-3-0031 **Effect of Heat Treatment on Microstructure and Mechanical Properties of AZ91 and AZ91 Reinforces Carbon Nanotube**  
Nur Hidayah Binti Ahmad Zaidi
- ISME2018:8-3-0025 **Antioxidative Properties and Sensory Evaluation of Perlis Sunshine Mango Seed Flour Body Scrub**  
Rohazita Binti Bahari
- ISME2018:8-3-0024 **Optimization of Diplazium Esculentum Extract Using Pressurized Hot Water Extractor by Box-Behnken Design of Experiments and its Antioxidative Behaviour**  
Khairul Farihan Binti Kassim

## TECHNICAL SESSION

### ISME 2018

The 4<sup>th</sup> International Conference on Innovative and Sustainable Material Engineering  
16 August 2018 (Thursday) - ISME ROOM/ ROOM 4

#### **SESSION C4 (10:00 – 13:00)**

*Chaired by Dr. Mohamad Kahar Ab Wahab*

- ISME2018:8- **Wear Prediction Via Accelerated Test on Chromium Based Hard Coatings**  
3-0021 **for Gas Turbine Interfaces Applications up to 370°C**  
Salmi Bt Mohd Yunus @ Abd Wahid
- ISME2018:8- **Experimental investigation of workpiece deformation due to WEDM**  
3-0023 Adel Saleh Omar Warregh
- ISME2018:8- **Development of Antioxidant Film Based on Blends of Stenochlaena**  
3-0026 **palustris Flour and Poly(Vinyl Alcohol)**  
Akmal Hadi Bin Ma'radzi
- ISME2018:8- **Development of Biopolymer Film With Different Ratios of Gelatine to**  
3-0015 **Chitosan Reinforced with Zinc Oxide Nanoparticles for Food**  
**Covering/Preservation**  
Jia Chi Lai
- ISME2018:8- **Effect of Aluminium Filler Content on the Mechanical Properties of**  
3-0029 **Polyurethane Foam**  
Sinar Azuria Binti Adnan
- ISME2018:8- **Hearing Loss: Engineering Control at Industry and Clinical Audiology**  
3-0004 **Approach at Hospital Level**  
Ahmad Anas Nagoor Gunny



## TECHNICAL SESSION

### ISME 2018

The 4<sup>th</sup> International Conference on Innovative and Sustainable Material Engineering  
16 August 2018 (Thursday) - ISME ROOM/ ROOM 4

#### **SESSION C5 (14:00 – 16:00)**

*Chaired by Dr. Mohamad Kahar Ab Wahab*

- ISME2018:8-3-0027 **Experimental and Numerical Analysis on the Adhesive T-Joint Using High Temperature Adhesive**  
Walster Rexiy Justin
- ISME2018:8-3-0028 **Synthesis and Preparation of Asymmetric PVDF-co-PTFE/DES Supported Membrane for CO<sub>2</sub>/N<sub>2</sub> Separation**  
Amira Binti Mohd Nasib
- ISME2018:8-3-0018 **Comparative Study on the Extraction of Bioactive Secondary Metabolites from Pomelo and Pineapple Peels Extract**  
Nurdalilah Othman
- ISME2018:8-3-0022 **Overview of Catalytic Methanation In Hot Mixing Asphalt Plants Towards Greenhouse Gas Emissions**  
Thanwa Filza Nashrudin
- ISME2018:8-3-0030 **Dyeing Polyurethane Foam by Plant Based Pigment**  
Firuz Bin Zainuddin
- ISME2018:8-3-0032 **Thermal Curing of Benzoxazine Blends from Cardanol-Furfurylamine and Diphenolic Acid-Aniline**  
Du Ngoc Uy Lan