

## **Tentative Program – OPENING CAREMONY**

**Tuesday, 27<sup>th</sup> August 2019**

**Opening Ceremony Venue: Gamelan 1 and Gamelan 2**

<b>Time</b>	<b>Details</b>
0830 - 0930	Registration
0930 - 0945	Welcoming Address by <b>Assoc. Prof. Ir. Dr. Siti Zawiah Md Dawal</b>
0945 - 1000	Opening Ceremony by <b>Prof. Dr. Zahari Taha</b>
<b>1000 - 1030</b>	<b>Keynote speech by Prof. Dr. Zahari Taha</b>
1030 - 1045	Q & A
1045 - 1100	Tea Break
<b>1100 - 1130</b>	<b>Keynote speech by Assoc. Prof. Dr. Yassierli</b>
1130 - 1145	Q & A
<b>1145 - 1215</b>	<b>Keynote speech by Assoc. Prof. Ir. Ts. Dr. Abd Rahim Abu Talib</b>
1215 -1230	Q&A
<b>1230 - 1400</b>	<b>Lunch</b>

## Tentative Program

### Oral Presentation Sessions

**Tuesday, 27<sup>th</sup> August 2019**

Time	Session	Venue		
		Gamelan 1	Gamelan 2	Gamelan 4
		Topic		
		AEROSPACE AND OTHERS	INDUSTRIAL ENGINEERING	ERGONOMICS
14.00 – 15.30	PARALLEL SESSION 1	<u>Chairperson:</u> Dr. Azmin Azliza Aziz  Assoc. Prof. Dr. Wan Nor Liza Wan Mahadi	<u>Chairperson:</u> Dr. Seuk Wai Phoong  Dr. Nurul Shahida binti Mohd Salahim	<u>Chairperson:</u> Dr. Ruhaizin Sulaiman  Dr. Ahmad Salahuddin Md Harituddin
1530 - 1600		<b>Networking session and Tea Break</b>		
16.00 – 17.30	PARALLEL SESSION 2	<u>Chairperson:</u> Assoc. Prof Dr. Haliza binti Abdul Rahman  Dr. Marizan Mubin	<u>Chairperson:</u> Dr. Noorazliza Sulaiman  Prof. Ir. Dr. Nukman Yusoff	<u>Chairperson:</u> Prof. Dr. Marzuki Ibrahim  Prof Dr Norhayati Soin

*\*\* Presenter will be given 12 minutes each for presentation.*

## Tentative Program Oral Presentation Sessions

**Wednesday, 28<sup>th</sup> August 2019**

Time	Session	Venue		
		Gamelan 1	Gamelan 2	Gamelan 4
		Topic		
		AEROSPACE AND OTHERS	INDUSTRIAL ENGINEERING	ERGONOMICS
08.30 – 10.00	<b>PARALLEL SESSION 3</b>	<u>Chairperson:</u> Prof Dr Norhayati Soin  Dr. Nurhayati Mohd Nur	<u>Chairperson:</u> Dr. Wan Omar Ali Saifuddin Wan Ismail  Prof. Ir. Dr. Nukman Yusoff	<u>Chairperson:</u> Assoc. Prof. Yogi Tri Prasetyo  Assoc. Prof. Dr. Siti Zawiah Md. Dawal
10.00 – 10.30		<b>Networking session and Tea Break</b>		
10.30 – 12.30	<b>PARALLEL SESSION 4</b>	<u>Chairperson:</u> Dr. Irwan Syah Md Yusoff  Dr. Ezrin Hani Sukadarin	<u>Chairperson:</u> Dr. Hassan Alli  Assoc. Prof. Dr. Wan Nor Liza Wan Mahadi	<u>Chairperson:</u> Dr. Rosalam Che Me  Dr. Ruhaizin Sulaiman
13.00 – 14.30		<b>Networking session and Lunch</b>		
14.00 – 15.30	<b>PARALLEL SESSION 5</b>	<u>Chairperson:</u> Assoc. Prof. Dr. Dian Darina Indah Daruis  Dr. Eida Nadirah binti Roslin	<u>Chairperson:</u> Dr. Shariff Bin Harun  Assoc. Prof. Dr. Wan Nor Liza Wan Mahadi	<u>Chairperson:</u> Dr. R Zirwatul Aida R Ibrahim  Dr Mirta Widia
15.30 – 16.00		<b>Networking session and Tea Break (End of Conference)</b>		

\*\* *Presenter will be given 12 minutes each for presentation.*

**Tuesday, 27<sup>th</sup> August 2019**

**PARALLEL SESSION 1 (TIME: 14.00 – 15.30)**

No	PAPER ID	TITLE	PRESENTER
<b>Venue: GAMELAN 1</b>			
1	20	Fatigue Analysis of the Work Shift Effect on Dump Truck Operators in a Coal Mining in Indonesia	Friesca Erwan
2	151	Preliminary Analysis of Hybrid Laminate Composite for Aircraft Radome Application	Mohd Yusoff Mohd Haris
3	116	Safety Climate, Safety Motivation, and Safety Knowledge in SMEs: An Insight of Workers' Safety Compliance and Safety Participation	Nachnul Ansori
4	176	Whiplash Injury Mechanisms of Car Rear Occupants	Nur Akmal Haniffah
5	98	Nexus Between Green Intellectual Capital and Organisational Learning Capability. Evidence from Malaysian Manufacturing Sector	Yusmazida Mohd Yusoff
6	153	Analyzing the Robustness of the TSP Matrices with Unique Characteristics: A Combinatorial and Linear Programming Approach	Azmin Azliza Aziz
7	149	Influence of Yarn Structural Parameters on Cotton/Kenaf Blended Yarn Characteristics	Sharifah Fathin Adlina Syed Abdullah

No	PAPER ID	TITLE	PRESENTER
<b>Venue: GAMELAN 2</b>			
1	173	Performance Measurement of Supply Chain Management in Small Medium Enterprise Using Supply Chain Operation Reference Model (Scor Version 12.0)	Elisa Kusrini
2	41	Sustainable Performance Measurement Framework for Malaysian Food Supply Chain	Fatin 'Izzati Ishak
3	205	Supply Chain Performance Measurement Using Supply Chain Operation Reference (SCOR) 12.0 Model : A Case Study in a Leather SME in Indonesia	Vembri Noor Helia
4	174	Determining Key Success Factors for Small Medium Enterprises (SME) Using Interpretive Structural Model (Ism) Method : A Case Study in One of SME in Indonesia	Elisa Kusrini
5	144	Modeling and Simulation of Manufacture Sector Data in Malaysia with Detection of Outliers: an ARMA-GARCH approach	Intan Martina Md Ghani
6	58	Interorganization Mobility Among Women Technologist in Industry	Osman Kadir
7	140	Cashless Society: Readiness of SME to Implement Mobile Payment System	Seuk Wai Phoong

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**PARALLEL SESSION 1 (TIME: 14.00 – 15.30)**

<b>No</b>	<b>PAPER ID</b>	<b>TITLE</b>	<b>PRESENTER</b>
<b>Venue: GAMELAN 4</b>			
1	74	Supplier Selection and Determination of Quantity of Raw Material Orders using Analytical Hierarchy Process (AHP) and Linear Programming: A Preliminary Insight	Dwi Handayani
2	67	Analysis of Product Quality Control Using Six Sigma Method	Dwi Handayani
3	200	The Process of Designing Special Wheelchair for People with Physical Disabilities	Mohd Hisham Omar
4	178	Postural Intervention of Batik Stamping Worker to Reduce Postural Load	Darlina Mohamad
5	209	Task Analysis on Maintenance Worker (Rail Grinder) of Light Rail Transit (LRT)	Azlis Sani Jalil
6	183	E8-Design and Development of Ergonomic Table and Analyze using RULA Analysis	Mohd Hidayat Ab Rahman
7	42	The Influence of Children Playroom Interior Aspect to Parent's Safety Perception, Case Study: Children Playroom at Paskal 23 Bandung, Indonesia	Rizka Rachmawati

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**PARALLEL SESSION 2 (TIME: 16.00 – 17.30)**

No	PAPER ID	TITLE	PRESENTER
<b>Venue: GAMELAN 1</b>			
1	198	An Integrated approach for Path Planning for Mobile Robot Using Bi-RRT	Faiza Gul
2	3	Robotic-based Model for Slow Learners Learning	Nurul Husna Mukhtar
3	101	Fabrication of Prosthetic Leg Socket Using Fiberglass Reinforced Composite	Wan Nursheila Wan Jusoh
4	210	Characterization of Banana Peels Waste Adsorbent for Preliminary Study of Methylene Blue Removal from Aqueous Solution	Noor Yahida Yahya
5	76	The Effectiveness of Fire and Burns at Home Education Among Primary School Children in Hulu Langat, Selangor	Haliza Abdul Rahman
6	106	Evolution of the Leading Edge Vortex Over a Flapping Wing Mechanism	Muhamad Ridzuan Arifin
7	6	Consequences of Performance Management and Accident in Malaysia Construction Safety	Nur Sabrina Azmi

No	PAPER ID	TITLE	PRESENTER
<b>Venue: GAMELAN 2</b>			
1	63	Research in Halal Certification: A Literature Review	Qurtubi
2	136	Improvement of Storage System Upright Piano Cabinet using Class based Storage	Suci Miranda
3	120	Linear Regression Model for Driving Comfort Perception and Muscle Contraction During Maneuvering Steering Wheel	Dian Darina Indah Daruis
4	73	The Reduction of Waste on Pile Production Process using Value Stream Analysis Tool (VALSAT) Method	Vembri Noor Helia
5	10	Exploratory Study on the Readiness of Non-Muslim Rice Manufacturer Towards the Implementation of Halal Logistics	Hairul Rizad Md Sapry
6	131	Review on Bio-inspired Algorithms Approach to Solve Assembly Line Balancing Problem	Noorazliza Sulaiman
7	36	Implementation Analysis of Halal Supply Chain Management Based on Food Services in Banda Aceh Hotels	Prima Denny Sentia

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**PARALLEL SESSION 2 (TIME: 16.00 – 17.30)**

<b>No</b>	<b>PAPER ID</b>	<b>TITLE</b>	<b>PRESENTER</b>
<b>Venue: GAMELAN 4</b>			
1	187	Validity and Inter-Rater Reliability of Postural Analysis Among New Raters	Ari Widyanti
2	193	UNISZA as a National Centre of Design for Disability in Malaysia	Marzuki Ibrahim
3	114	Investigation of Ergonomic Risk Factors Among Male Workers in a Medical Manufacturing Company in Northern Malaysia	Athirah Yusof
4	201	Sleepiness and Daily Sleep of Malaysian Shift Workers in Electronic Manufacturing Industry	Mohamad Ezuan Abd Jalil
5	171	Ergonomic Display Design for Bus Route	Musyarofah Mutiram Suid
6	133	Evaluation of Universal Design Requirements Application in Public Mosques in Bandung	Rangga Firmansyah
7	2	Association Between Exposure to Whole-Body Vibrations (WBV) and Vigilance Level: Effect of Different Vibration Magnitude.	Mohd Amzar Azizan

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**PARALLEL SESSION 3 (TIME: 08.30 – 10.00)**

No	PAPER ID	TITLE	PRESENTER
<b>Venue: GAMELAN 1</b>			
1	118	Ergonomics Study on Stress Level among Electronics Assembly Line Workers	Kamarulzaman Mahmad Khairai
2	23	Eco-Process Innovation Performance: Production Waste Investigation through Discrete Event Simulation	Suziyana Mat Dahan
3	65	Research in Shariah Hotel: Issues and Challenges	Qurtubi
4	107	Supply Chain Performance Measurement Using Supply Chain Operation Reference (SCOR) in Sugar Company in Indonesia	Vembri Noor Helia
5	206	A System Dynamics Approach to Investigate the Effects of Disruption on The Supply Chain with a Mitigation Strategy	Hawa binti Hishamuddin
6	184	Effect of Using Electronic Map while Driving on Human Error Probability	Lovely Lady

No	PAPER ID	TITLE	PRESENTER
<b>Venue: GAMELAN 2</b>			
1	105	The Relationship between Perceived CSR and Turnover Intention among Private Higher Education Institutions' Employees in Klang Valley	Saadiatul Ibrahim
2	191	Identifying Factors that Affecting Tourists to Choose Sharia Hotel Based on Theory of Planned Behavior (TPB) Using Structural Equation Modelling	Elisa Kusriani
3	99	Technology Level Measurement in Small Medium Enterprise (SME) of Wood Product in Yogyakarta, Indonesia	Suci Miranda
4	56	Enhancement of Customer Satisfaction Through Determination of Ideal Public Facilities Capacity Through Adoption of Queuing Theory	Mohamad Ikbar Abdul Wahab
5	93	Automatic Pick-and-Place Packaging System with Vacuum Lifter	Awais Farroqi
6	190	Mastery of Leadership Skills Among Mechanical Engineers by Industrial Needs	Wan Omar Ali Saifuddin Wan Ismail
7	215	Career Challenges Model among Female Engineers: PLS-SEM Analysis	Ummu Sakinah Mohamad Subri



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**PARALLEL SESSION 3 (TIME: 08.30 – 10.00)**

<b>No</b>	<b>PAPER ID</b>	<b>TITLE</b>	<b>PRESENTER</b>
<b>Venue: GAMELAN 4</b>			
1	194	Mapping of Risk Factors for Musculoskeletal Disorders on Construction Workers: A Meta-analysis Study	Wyke Kusmasari
2	78	Ergonomic Design of the Cutting Machine for Chopping Cyperaceae Plant	Lintang Zahrima Kalsum
3	113	Evaluating Southeast Asian Military Camouflage Design using Camouflage Similarity Index (CSI)	Yogi Tri Prasetyo
4	28	Investigation on Young Adult Hand Grip Strength	Norashiken Othman
5	17	Comparison Study of the Spine Kinematics of Thoracic and Lumbar Spine Assuming as (1) An Individual and (2) Multi-Segmental During a Continuous Motion Sit-To-Stand (STS) in Healthy Asian Adults	Wan Aliff Abdul Saad
6	13	Development of Robotic Rovers : A Review	Roshahliza M Ramli
7	157	How Workplace Condition Affects Healthcare Worker: Assessment at Tertiary Hospitals	Rohayu Othman

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**PARALLEL SESSION 4 (TIME: 10.30 – 12.30)**

No	PAPER ID	TITLE	PRESENTER
<b>Venue: GAMELAN 1</b>			
1	94	Physical Ergonomic Application Preferences in The Design Development Process Among Malaysian Designers	Muhamad Ezran Zainal Abdullah
2	79	Study of Cybersickness on Non-Immersive Virtual Reality using Smartphone	Muhamad Nashirulhaqi Izzuddin
3	83	Assessing Driving Posture among Elderly Taxi Drivers in Malaysian using RULA and QEC Approach	Irwan Syah Md Yusoff
4	103	Adaptation of Agonist and Antagonist Muscle Response to Assistive Force in Different Age Group.	Nursalbiah Nasir
5	51	Instrumental Music vs. Qur'an Recitation: Which has the Most Influence on the Accuracy and Speed of Work?	Yumi Meuthia
6	75	Association Between Schoolbag Weight and Back Pain among Primary Schoolchildren in Kajang, Selangor	Haliza Abdul Rahman
7	121	Correlation of Safety Perceptions and Safety Behavior in University Teaching Laboratory	Rahmat Nurcahyo

No	PAPER ID	TITLE	PRESENTER
<b>Venue: GAMELAN 2</b>			
1	44	Analysis of Port Fare Increases on Container Yard Services using Logistic Regression Model	Sarika Zuhri
2	60	Palm Oil Marketing Model through Performance Analysis Approach in Simalungun Regency	Ira Apriyanti
3	8	Evaluating Exploratory Factor Analysis of Psychosocial Study and Work Performance in Manufacturing Industry	Nuruzzakiyah Mohd Ishanuddin
4	9	Investigation of Customer Purchase Intention Towards the Car Battery On-Site Delivery Services	Dr. Hairul Rizad Md Sapry
5	180	Professional Skills Needed among Mechanical Engineers in Malaysia Based on MoE: Using Discriminant Analysis	Wan Omar Ali Saifuddin Wan Ismail
6	89	Development of Sustainable Product Design Method for Sustainability and Successful New Product	Hassan Alli
7	169	Modeling and Simulation of Three-Roll Bending Process of Bimetal Circular Billet	Abdulaziz S. Alaboodi

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**PARALLEL SESSION 4 (TIME: 10.30 – 12.30)**

<b>No</b>	<b>PAPER ID</b>	<b>TITLE</b>	<b>PRESENTER</b>
<b>Venue: GAMELAN 4</b>			
1	18	Investigating the Spine Kinematics of Thoracic and Lumbar Spine Assuming as (1) An Individual and (2) Multi-Segmental During A Continuous Motion Stand-To-Flexion (STF) in Healthy Asian Adults.	Wan Aliff Abdul Saad
2	45	The Measurement of Nurses' Mental Workload using NASA-TLX (A Case Study: RSUD Zainoel Abidin Banda Aceh, Indonesia)	Nur Izzaty
3	85	Non-Intrusive, Visual-less Wearable Haptic Stimuli Navigational Assistance for Elderly with Dementia	Rosalam Che Me
4	86	Pattern Of Muscle Contraction In Different Maintenance Activities	Nor Kamaliana Khamis
5	196	Development of Optimal Air Conditioning Control System with PMV Sensor Unit	Lusi Susanti
7	24	Effect of Processing Parameters and Material Mixture Fraction on Tensile Strength for Plastic Waste Sawdust Composites	Wawan Trisnadi Putra

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**PARALLEL SESSION 5 (TIME: 14.00 – 15.30)**

No	PAPER ID	TITLE	PRESENTER
<b>Venue: GAMELAN 1</b>			
1	52	Redesign of Breastfeeding Chair for Nursery Room	Prima Fithri
2	81	Ergonomics Study of Stretcher for Rescuer to Lift Drown Body	Ruhaizin Sulaiman
3	102	Designing Disaster Recovery Plan of Data System for Universities	Difana Meilani
4	127	The Using of UI Greenmetric Performance Measure in The Implementation of ISO 14001 Environmental Management System in Higher Education	Rahmat Nurcahyo
5	188	Exploring Quality Influencing Factors for Frozen Food Industry	Wan Muhammad Noor Sarbani bin Mat Daud
6	54	Workstation with Ergonomic Features for Universiti Kuala Lumpur MIDI Classroom	Shukri Mohamed Salleh

No	PAPER ID	TITLE	PRESENTER
<b>Venue: GAMELAN 2</b>			
1	192	Local Search Algorithm for Solving Periodic Location Routing Problem	Nissa Prasanti
2	195	Simulated Annealing Algorithm for Solving Pickup and Delivery Problem with LIFO, Time Duration and Limited Vehicle Number	Andriansyah
3	181	Critical Thinking and Problems Solving Skills among Mechanical Engineering Students	Wan Omar Ali Saifuddin Wan Ismail
4	216	Work-Life Balance Conflict Model among Female Engineers: PLS-SEM Analysis	Ummu Sakinah Subri
5	139	Integration of Employees' Turnover Models in Assessing HRM Practices Impact on Behavioural Intentions	Shariff Bin Harun

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**PARALLEL SESSION 5 (TIME: 14.00 – 15.30)**

<b>No</b>	<b>PAPER ID</b>	<b>TITLE</b>	<b>PRESENTER</b>
<b>Venue: GAMELAN 4</b>			
1	88	The Development of SORREL Systematic Roselle Harvesting System for Efficient Transfer Process	Khairul Manami Kamarudin
2	189	Ergonomic Risk Assessment on Selected Hot Work Workers at Company XXX	Sivabalan Sanmugum
3	199	Job Description Design Based on Business Process Mapping and Workload Measurement Using M-FTE and DRAWS	Adithya Sudiarno
4	211	Maximum Acceptable Lifting Frequency of Novice and Worker for Manual Material Handling Task	Mirta Widia
5	217	Large-Displacement Police Motorcycle: Muscle Discomfort Among Traffic Police Riders	Nur Athirah Diyana Mohammad Yusof

**POSTER PRESENTATION**

<b>No</b>	<b>PAPER ID</b>	<b>TITLE</b>	<b>PRESENTER</b>
1	212	Fractional Order PID Sliding Mode Control for Speed Regulation of Permanent Magnet Synchronous Motor	Marizan Mubin
2	186	Human Factors Analysis of Online Learning Process for Students in Indonesia (Preliminary Study)	Linda Studiyanti
3	213	Preliminary Study on the Ergonomic Design of Motorcycle Seat for Comfort Usage	Eida Nadirah Roslin
4	82	Ablution Workstations Design for Person with Physical Disabilities in Malaysia	Siti Zawiah Md Dawal
5	214	Integration of Psychological Capital in a Conceptual Work Productivity Model	Iqra Javed
6	117	Increasing Blink Rates: Reducing Dry Eye Symptoms with Eye Rest-Break Application	Dian Darina Indah Daruis
7	124	A Study of Accidents & Incidents on Boeing and Airbus Commercial Aircraft's Avionics-Related System in Two Decades (1996-2015)	Inarni Juliana Baidzawi
8	175	Ageing Drivers' Mental Workload in Real-Time Driving Task Based on Subjective and Objective Measures	Nurul Izzah Abd Rahman,