International Conference on Design, Manufacturing and Railway Technology (IDMRT 2025)

Date : **2nd September 2025 (Day 1 - Afternoon)**
Session : **1A**
Venue : **Pinnacle 2 at Level M1, The Vertical (Breakout Room 6)**
Theme : **Creative Art & Design**

No	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson	Evaluator
1.	1400 – 1415	Furniture Design-to-Manufacturing Automation by AI Technology	Aminur Rahman	DO-846	Ms. Masalina Md Ali	Dr. Azlinda Ramli
2.	1415 – 1430	Innovative Experimental Design for Lightweight Concrete Panels Using Cement–EPS–RHA Composites with Hooked Steel Fibres in Modular Construction	Ameer Aiman Misron	DO-576		
3.	1430 – 1445	GrowBag: A Circular Bioplastic Packaging with Regenerative Second Life	Hanif Azhar	DO-577		
4.	1445 – 1500	Material Shift in Eco-Product Design: Transforming Sugarcane Bagasse into a Sustainable Foam Alternative	Hanif Azhar	DO-578		
5.	1500 – 1515	From Waste to Wellness: Designing Yoga Bags with Pineapple Leaf Fiber for Sustainable Practice	Azzahra Haliza Revana	DO-579		
6.	1515 – 1530	Designing Light, Sustaining Life: A Sustainable Product Analysis of Bedroom Ambient Lighting	Nahda Farahdilla	DO-583		

No	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson	Evaluator
7.	1530 – 1545	Prevalence and Prevention of Pregnancy-Related Low Back and Pelvic Pain: An Ergonomic Design Approach	Norhisham Seyajah	DO-670	Ms. Hasmawati Ismail	Prof. Ts. Dr. Mohd Razif Idris
8.	1545 – 1600	Beyond Disposal: Product Design Strategies for Upcycling PVC Leather Waste	Falia Haura Ateyana	DO-584		
9.	1600 – 1615	Designing Sustainable Campus Mobility: A User-Centered Public Transport Concept for Telkom University	Fikri Ajani Sasangkajati	DO-587		
10.	1615 – 1630	A Comparison of Interior Design Study Program Curricula at Indonesian Universities to Clarify the Fundamental Concepts of Interior Design Education in the 21st Century.	Nurhayatu Nufut Alimin	DO-787		
11.	1630 – 1645	Waste to Desire: Evaluating the Role of User Interfaces in Promoting Circular Decorative Teak Wood Waste Products	Siwi Anjarsari	DO-732		
12.	1645 – 1700	Advances and Prospects in 4D Printing: A Review of Smart Materials and Adaptive Structures in Additive Manufacturing	Shakila Ali Nahran	DO-749		

International Conference on Design, Manufacturing and Railway Technology (IDMRT 2025)

Date : **2nd September 2025 (Day 1 - Afternoon)**
Session : **1B**
Venue : **Pinnacle 5 at Level M1, The Vertical (Breakout Room 9)**
Theme : **Advanced Manufacturing Technology & Creative Art And Design**

No	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
1.	1400 – 1415	Empirical Evaluation of Hybrid Manufacturing on Ti6Al4V: Interfacial Cross-Sectional Properties and Porosity Behaviour	Sangeeth Suresh	DO-812	Ts. Dr. Norhairin Mohd Saad
2.	1415 – 1430	Preliminary Experiment of EDM Wire Cut on AZ31 Magnesium Alloy	Muhammad Syafiq Iskandar Rosni	DO-541	
3.	1430 – 1445	A Digital Technology Application for Measuring and Supporting Sustainable Tourism Supply Chain Practices in Indonesia	Andri Hermawan Hermawan	DO-658	
4.	1445 – 1500	Mitigation of Surface Scratches on Thin Wafers During Semiconductor Fabrication	Abdul Nasir Yusoff	DO-247	
5.	1500 – 1515	A Strategic Model to Guide Goal Setting for Travel Agencies within a Sustainable Tourism Framework	Andri Hermawan Hermawan	DO-657	
6.	1515 – 1530	Evaluating Implementation Effectiveness in Malaysian Higher TVET: A Lean Waste–SERVQUAL Integrated Framework	Nurshakirin Zulkefli	DO-735	Mr. Muhammad Fitri Shahrim
7.	1530 – 1545	Optimising User Preferences for Sustainable Materials in Foldable Camping Chair Design: A Survey Based Analysis	Muhamad Amin Bin Abdullah	DO-528	

No	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
8.	1545 – 1600	Designing Medical Furniture for Local Contexts: Examination Table Innovation for Indonesian Healthcare Facilities	Aries Abbas Mayu	DO-250	Mr. Muhammad Fitri Shahrim
9.	1600 – 1615	From Heritage to Hype: Local Wisdom as Fashion's Sustainable Catalyst	Arini Arumsari	DO-674	
10.	1615 – 1630	Integration of Modern Illustration in Developing the Brand Image: The Redesign Of Lao Shi Tai Pastry Packaging	Ahmad Hafizie Bin Md Hasim	DO-913	

International Conference on Design, Manufacturing and Railway Technology (IDMRT 2025)

Date : **3rd September 2025 (Day 2 - Morning)**
Session : **2A**
Venue : **Pinnacle 1 at Level M1, The Vertical (Breakout Room 5)**
Theme : **Railway Technology, Advanced Manufacturing Technology & Creative Art And Design**

No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
	0900 – 0930	**KEYNOTE 1** **TITLE: ELEVATING RAILWAYS FOR A GREENER MALAYSIA** Datuk Dr. Mohd Yusoff Bin Sulaiman (MARIC)			Ts Dr Norhisham Seyajah
	0930 – 1000	**KEYNOTE 2** **TITLE: MANUFACTURING DIGITALIZATION TOWARDS INDUSTRIAL-ACADEMIC SUSTAINABILITY** Mr. David Leow(ARS)			
	1000 – 1030	**KEYNOTE 3** **TITLE: FROM HERITAGE TO HYPE: LOCAL WISDOM AS FASHION'S SUSTAINABLE CATALYST** Assoc. Prof. Dr. Arini Arumsary (TELKOM University)			
1.	1030 – 1045	Development of a SCRUM-Based Project Management Application for Higher Education Students	Darulihsan Abdul Hamid	DO-673	Mr. Sangeeth Suresh
2.	1045 – 1100	Strategy For Cost Reduction In Last Minute Purchases of a Retail Organization: A Case Study Of Abc Group Of Companies In Malaysia.	Punnose P. Kovoor	DO-805	

No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
3.	1100 – 1115	Optimizing manufacturing operations through Dynamic Data Visualization with Power BI Dashboards	Nur Shaliyana Ilias	DO-187	
4.	1115 – 1130	Enhancing Manufacturing Efficiency through Lean Strategies and Digital Simulation	Nik Masmiati Nik Pa	DO-819	Ms. Siti Nurul Hazirah Halim
5.	1130 – 1145	Optimization and Analysis of Fire Sprinkler Water Distribution Using Taguchi Method	Jum'Azulhisham Abdul Shukor	DO-739	
6.	1145 – 1200	A Real-Time Inventory Management System for Small-Scale Homestays: Design, Development, and Impact	Nurul'Ain Zahirah Zaman	DO-813	

International Conference on Design, Manufacturing and Railway Technology (IDMRT 2025)

Date : **3rd September 2025 (Day 2 - Afternoon)**
Session : **2B**
Venue : **Pinnacle 10 at Level M1, The Vertical (Breakout Room 13)**
Theme : **Railway Technology & Advanced Manufacturing Technology**

No.	Time (GMT +8)	Presentation Title	Presenter	Abstract ID	Chairperson
1.	1400 – 1415	Railways in Developed vs. Developing Countries: A Global	Ts. Dr. Faridah Mustaffa Bakry	DO-343	Ts. Dr. Punnose P. Kovoor
2.	1415 – 1430	Analysis of Trolley Wire Wear and Temperature On Electric Train Catenary System Base On Image Processing	Ahmad Sugiana	DO-752	
3.	1430 – 1445	Practice and Innovation of International Industry-Education Integration from the Dual Circulation Perspective: A Case Study of the China-Malaysia Modern Railway Craftsmen Institute	Yusong Chen	DO-684	
4.	1445 – 1500	Automation of Railway Carrying Prototype Rail Detection System Using Camera Sensor	Ahmad Sugiana	DO-753	
5.	1500 – 1515	Electric Arc Detection System Using Random Forest Method on Electric Train Trolley Wire	Heru Syah Putra	DO-754	

6.	1515 – 1530	YOLOv8-based Automatic Detection of Pantograph Carbon Strip Defects	Mohamad Ubaidillah Mohd Amin	DO-42	
7.	1530 – 1545	Optimization of Fuel Consumption on South Sumatra Railway Lines Using Operational Scheduling Analysis	Ahmad Sugiana	DO-779	
8.	1545 – 1600	Fmcw Multipulse Radar System for Improved Vehicle Speed Detection Capabilities	Sania Uswah Nafisah	DO-798	Ms. Najua Delaila Tumin
9.	1600 – 1615	Hybrid NDT Approach with Supervised Machine Learning for Early-Stage Rail Condition Monitoring	Shukri Mohamed Salleh	DO-300	
10.	1615 – 1630	Design of Indonesian Train Control System	Ahmad Sugiana	DO-780	
11.	1630 – 1645	Design of Automatic Braking System for High Speed Train Control System in Indonesia	Ahmad Sugiana	DO-802	
12.	1645 – 1700	Inspecting the Effect of Tensile Properties on Malaysian Sheepskin Nappa Leather on Garment Sewability Design	Nik Mohamad Farid Nik Ismail	DO-560	
13.	1700 – 1715	Enhancement To The Switching Of Behaviours Using Fuzzy Inference System For Powered Wheelchair Controller.	Jaya Bhanu Rao	DO-880	
14.	1715 – 1730	Strategic management decisions and barriers to digital innovation in manufacturing-based SMEs: A Systematic literature review	Salman Farisi Samsudin	DO-520	