

International Conference on Smart and Advanced Manufacturing 2024 (ICSAM 2024)
In Conjunction with Asian Universities Alliance (AUA) Academic Conference
27th to 28th Nov 2024

Day	Time	Sessions			
27 Nov 2024	Wednesday	Opening Session			
		9:00 AM to 9:20 AM	Opening Ceremony <i>by Conference Chairman</i> Welcoming Remarks* <i>by Vice-Chancellor of Universiti Malaya</i> Conference Officiation <i>#livestreaming</i>		
		Plenary Session			
		9:20 AM to 10:00 AM	Title: The Era of Smart Factory with the Emergence of Artificial Intelligence (AI) in Manufacturing Domain <i>by Ybhg. Dato' Ts. Valluvan A/L Veloo</i> Director Manufacturing Industry, Science and Technology Section Division Ministry of Economy, Malaysia <i>#livestreaming</i>		
		10:00 AM to 10:30 AM	Coffee Break and Networking Session		
		Keynote Session I			
		10:30 AM to 10:55 AM	Title: Bridging the Gap: Fostering Future Manufacturing Excellence through Enhanced Academia-Industry Collaboration <i>by NEE Yeh Ching, Andrew</i> AUA member (National University of Singapore)* Professor in Manufacturing <i>#livestreaming</i>		
		10:55 AM to 11:00 AM	Introduction Slot about UM (AMMP Centre)		
		11:00 AM to 12:30 PM	Session T1 (Joining Technology)	Session E1 (Materials Processing)	Session D1 (Design and Fabrication)
			Title of paper: Development of PC-Based Integrated Interface System of STEP File for Machining Features in CNC Machine Authors: TBD Title of paper: 4D precipitation printing technologies toward sensing devices using microporous structures Authors: TBD Title of paper: Relationship between programming stress and residual strain in FDM 4D printing Authors: TBD Title of paper: Characterizing photopolymer resins for high-temperature vat photopolymerization Authors: TBD	Title of paper: Union channel pruning-based U2Net for online surface defect segmentation of aluminum strips in production processes Authors: TBD Title of paper: A Contrast Adjustment Thresholding Method for Surface Defect Detection Based on Mesoscopy Authors: TBD Title of paper: Development of Mesoscopic Analytical Imaging System for Deposited Surface Inspection Authors: TBD Title of paper: Image pattern recognition in big data: taxonomy and open challenges Authors :TBD	Title of paper : Smart Manufacturing Pathways for Industrial Decarbonization and Thermal Process Intensification Authors : TBD Title of paper : Prospective Scenario on energy efficiency and CO ₂ emissions in the Malaysian Manufacturing Industry Authors :TBD Title of paper : Enhancing Sustainability and Energy Efficiency in Smart Factories Authors :TBD Title of paper : The Impact of Intelligent Cyber Physical Systems in the decarbonation of Energy Authors : TBD
<i>#livestreaming</i>					
12:30 PM to 2:00 PM	Lunch, Networking and Prayer Break				

Day	Time	Sessions		
27 Nov 2024	2:00 PM to 3:30 PM	Session T1 (Joining Technology) Title of paper : Friction stir alloying of AZ61 and mild steel with Al-CNT additive Authors : TBD Title of paper : Enhancements on Dissimilar Friction Stir Welding Between AZ31 and SPHC Mild Steel With Al-Mg as Powder Additives Authors : TBD Title of paper : Low Power Fibre Laser Welding of Dissimilar Aluminium to Copper Thin Plates with Infused Powder Fillers Authors : TBD Title of paper : Study on the Effect of Deposition Parameters on Bead Geometry of Aluminum Alloys 4043 in Cold Arc-Based GMAW by Applying Taguchi-Based Regression Analysis Authors : TBD	Session E1 (Materials Processing) Title of paper : Design and Structural Analysis of Three-Axis CNC Benchtop Milling Machine Authors : TBD Title of paper : Development and Performance Evaluation of Automated Methadone Dispenser for Drug Addiction Therapy Authors : TBD Title of paper : Fabrication of Manganese-Doped TiO2 And Scandium-Doped TiO2 for Anti-Fogging Properties on Glass Substrate by PPVD Technique Authors : TBD Title of paper : Elucidation of Surface Characters of Silver Oxide/Silver Tantalum Oxide/Tantalum Oxide Prepared by Magnetron Sputtering for Potential Surgical Instruments Authors : TBD	Session D1 (Design and Fabrication) Title of paper : Improved Hydrogen Storage Properties of LiAlH4 by Addition of Porous Activated Carbon Authors : TBD Title of paper : Simulation of temperature distribution in a solid state hydrogen storage tank for different heating power Authors : TBD Title of paper : Heat exchanger fouling mitigation by environmental friendly nano composite coatings on heat exchanger surfaces Authors : TBD Title of paper : Graphene nanoplatelet nanofluids stabilised by hybridisation with graphene oxide: preparation, stability, and performance in flat plate solar thermal collector Authors : TBD
		<i>#livestreaming</i>		
		3:30 PM to 4:30 PM	<i>Cocktail and Networking Session Closing of Day 1</i>	
	Day 2 Opening Session			
28 Nov 2024	9:00 AM to 9:05 AM	Welcoming Remarks <i>#livestreaming</i>		
	Keynote Session II			
	9:05 AM to 9:30 AM	Title : The Role of Innovation in Shaping the Future of the Manufacturing Industry <i>by Mr Naguib Mohd Nor</i> <i>President of Malaysia Aerospace Industry Association (MAIA)</i> <i>#livestreaming</i>		
	9:30 AM to 10:30 PM	Session T2 (Materials Innovation) Title of paper : Mechanical Properties of Pineapple Leaf Fiber Biocomposite with KOH Alkalization Authors : TBD Title of paper : Recent Study of Mechanical, Barrier, and Antimicrobial Properties of Reinforced Thermoplastic Starch Biofilm for Food Packaging Authors : TBD <i>Title of paper: topic in materials innovation</i> Authors : TBD	Session E2 (Process Optimization) Title of paper : Application of Topsis on Optimization of Deposition Parameter of Aluminium Alloys 4043 in WAAM Authors : TBD Title of paper : Process parameter optimisation for selective laser melting of AlSi10Mg-316L multi-materials using machine learning method Authors : TBD <i>Title of paper: topic in process optimization</i> Authors : TBD	Session E2 (Intelligent Manufacturing) Title of paper : Modelling Manufacturing Costing Using Machine Learning Techniques for Small Enterprise Authors : TBD Title of paper : "Green Building"; Innovation in Building Contract to Achieve Sustainable Development Construction (SDC) Authors : TBD <i>Title of paper: topic in intelligent manufacturing</i> Authors : TBD
		<i>#livestreaming</i>		
	10:30 AM to 10:45 AM	<i>Coffee Break and Networking Session</i>		
	10:45 AM to 11:30 PM	Session T2 (Materials Innovation) <i>Title of paper: topic in materials innovation</i> Authors : TBD <i>Title of paper: topic in materials innovation</i> Authors : TBD <i>Title of paper: topic in materials innovation</i> Authors : TBD	Session E2 (Process Optimization) <i>Title of paper: topic in process optimization</i> Authors : TBD <i>Title of paper: topic in materials innovation</i> Authors : TBD <i>Title of paper: topic in materials innovation</i> Authors : TBD	Session E2 (Intelligent Manufacturing) <i>Title of paper: topic in intelligent manufacturing</i> Authors : TBD <i>Title of paper: topic in materials innovation</i> Authors : TBD <i>Title of paper: topic in materials innovation</i> Authors : TBD
		<i>#livestreaming</i>		
		11:30 PM to 12:30 PM	Conference Closing Remarks Announcement of Best Presentation and Best Poster Award <i>Award presented by Conference Chairman</i> <i>#livestreaming</i>	
	12:30 PM to 2:00 PM	<i>Lunch, Networking Session</i>		
2:00 PM to 3:00 PM	<i>Prayer Break and Rest</i>			

3:00 PM
to
4:30 PM

Cultural Performance

Note: This tentative program is subject to change until final version is established