

IEEM20-P-0135 Impact of Internal Factors on the Implementation of Halal

Logistics

IEEM2020 VIRTUAL 4-DAY MEETING - FINAL PROGRAM (Last Updated: 14 Dec 2020)

Note: Program Uses Singapore Standard Time and is 8 hours ahead of GMT (GMT+08:00)

POSTER SESSION

Mon-14 Dec to Thu-17 Dec Poster Display: A collection of poster PNGs or audio/video files on display for attendees to "visit". Live poster Q & A sessions for attendees to meet virtually with presenters and ask questions or give feedback.

Day 1 - Monday, 14 Dec 2020 Webinar

OPENING & KEYNOTE 7:00PM - 8:30PM, MON-14 DEC 2020

Moderator: Kah Hin CHAI National University of Singapore

Day 2	Tuesday	45 Dec	2020 Dec	a a méadia ma

	Day 2 - Tuesday, 15 Dec 2020 Presentations							
AM1 PRESENTATIONS 08:00AM - 9:30AM, TUE-15 DEC 2020 Note: Program Uses Singapore Standard Time and is 8 hours ahead of GMT (GMT+08:00)								
Supply Chain Management 1		<u>Decision Analysis</u> <u>and Methods 1</u>		Technology and Knowledge Management 1		Operations Research 1		
Reg ID: 253 Adnan HASSAN Universiti Teknologi Malaysia		Reg ID: 81 Carman Ka Man LEE The Hong Kong Polytechnic University			Reg ID: 276 Arnesh TELUKDARIE University of Johannesburg		Reg ID:278 Hyeong Suk NA South Dakota School of Mines and Technology	
s	Reg ID: 285 Yugowati PRAHARSI hipbuilding Institute of Polytechnic Surabaya		Reg ID: 17 Vinay SINGH <i>ABV-IIITM Gwalior</i>		Reg ID: 227 Tingyao XIONG <i>Radford University</i>		Reg ID: 71 Kuo-Wei WU National Taiwan University	
IEEM20-P-0021	Modeling of an Industrial Ecosystem at Traditional Shipyards in Indonesia for the Sustainability of the Material Supply Chain		Stress-based Lattice Structure Design for Additive Manufacturing	IEEM20-P-0011	Adoption of Information Technology in Modern Manufacturing Operation		A Robust Optimisation Formulation for Post- departure Rerouting Problem	
IEEM20-P-0073	The Optimal Choice for Local Content Requirement and Tariff Under Social Welfare Maximization	IEEM20-P-0160	Launch Strategies for Upgraded Products with Consideration of Self-cannibalization	IEEM20-P-0204	Knowledge Revealing and Organizational Legitimacy: Comparisons between Different Types of Firms in China	IEEM20-P-1061	Behavioral Model to Understand Hurricane Evacuation Decision Making Affected by Social Influence	
IEEM20-P-0079	Flood Shelters Location Using P-median Model	IEEM20-P-0168	Using Classification with K-means Clustering to Investigate Transaction Anomaly	IEEM20-P-0244		IEEM20-P-0290	Job Shop Scheduling Problem Neural Network Solver with Dispatching Rules	
IEEM20-P-0184	An Inventory Optimization Model Under Demand Uncertainty for Autonomous Multi-site Inventory Planning with Material Substitutability and Transshipment	IEEM20-P-0238	Two-stage Newsvendor Problem with Loss Aversion and Probability Weighting Effects	IEEM20-P-0477	How Do Innovation Intermediaries Influence Outbound Open Innovation in China? a Moderated Mediation Mechanism		Portfolio Selection Utilizing Electronic Company Stocks During the Enhance Community Quarantine Period in the Philippines	
IEEM20-P-0232	Dual Sourcing Problem with Capacities and Setup Cost	IEEM20-P-0348	A Multiple Layer Dea Model for Evaluating Corporate Sustainable Performance Using Lean Manufacturing Practices	IEEM20-P-0296	A Study on Ambidextrousness of R&d Organization in Ict Companies	IEEM20-P-0438	Performance Analysis of an Open Cycle Gas Turbine Power Plant in Grid Electricity Generation	
		IEEM20-P-0422	Application of Lean Six Sigma Methodology and Queueing Theory to Minimize Systemic Variability: A Case Study from Public Services	IEEM20-P-0374	Impact of Reabsorption of Spilled Knowledge on Patent Value	IEEM20-P-0406	Managing Sustainability in Electricity Generation	
			AM2 PRESENTATIONS 10AM Note: Program Uses Singapore Standard Tin					
Systems Modeling and Simulation 1		Big Data and Analytics 1		Project Management 1		Poster Session 1 Mon-14 Dec to Thu-17 Dec Poster Display: A collection of poster PNGs or audio/video files on display for attendees to "visit".		
Reg ID: 92 Zhiqiang CAI Northwestern Polytechnical University		Reg ID: 81 Carman Ka Man LEE The Hong Kong Polytechnic University		Songlin CHEN Nanyang Technological University		Reg ID: 262 Ai Chin THOO <i>Universiti Teknologi Malaysia</i>		
Reg ID: 6 Yoshinobu TAMURA <i>Tokyo City University</i>		Reg ID: 276 Arnesh TELUKDARIE University of Johannesburg		Tahir MAHMOOD Department of Technology, School of Science and Technology, The Open University of Hong Kong, Kowloon, Hong Kong.		Roger JIAO Georgia Institute of Technology		
IEEM20-P-0433	A Mixed-integer Programming Approach to Group Control of Elevator Systems with Destination Hall Call Registration	IEEM20-P-0039 The Prediction of Flight Delay: Big Data-driven Machine		IEEM20-P-0010 Breakthrough Capabilities for Delivering High-performing Project Management Offices (PMOs) in Construction Enterprises		IEEM20-P-1073 The Key Success Factor for Attracting Foreign Investment After the Popularity of Covid-19 IEEM20-P-0364 Productivity Evaluation of Asia Textile Industry		
IEEM20-P-1140	Additive Manufacturing of Dynamic Lifeboat Hook Assembly	IEEM20-P-1055	TV Series Adaptations: An Al Toolkit For Success	IEEM20-P-0117	How Could Antecedents to Project Collaborative Effectiveness Through Project War-Room Meetings, Develop Cohesion in Multicultural Teams: While Problem- Solving?		Applying K-means Technique and Decision Tree Analysis to Predict Taiwan Etf Performance What Core Competence can Students Learn from Off-Campus Internship?	
IEEM20-P-0415	Effect of Network Structure and Preference Difference on Knowledge Transfer in Inter-organizational R&d Project	IEEM20-P-0366	Business Applications for Current Developments in Big Data Clustering: an Overview	IEEM20-P-0228	Evaluation of the "Internet +" Environmental Public Welfare Project Based on Value Co-creation	IEEM20-P-0216	Personal Health Mention Identification from Tweets Using Convolutional Neural Network Internet-based Collaborative Design, Manufacturing, and Supply Chain for Manufacturing Companies	
IEEM20-P-0315	Container Movement Evaluation Using System Dynamics Simulation	IEEM20-P-0398	Visual-based People Counting and Profiling System for Use in Retail Data Analytics	IEEM20-P-0489	Gearing Food Manufacturing Industry Towards Lean Six Sigma Implementation: an Exploratory Study on Readiness Factors	IEEM20-P-0158	Advance Selling Decision for Perishable Products in the Presence of Strategic Consumers Perceived Sustainability Performance of Eco-Industrial Park through Environmental Consciousness and Strategic	
IEEM20-P-0472	Electric Vehicle Diffusion in the Indonesian Automobile Market: a System Dynamics Modelling	IEEM20-P-0539	Detecting Bursts in Water Distribution System Via Penalized Functional Decomposition	IEEM20-P-0447	Project Performance Evaluation System: a Case Study in a Construction Enterprise in Colombia	IEEM20-P-0172	Resource Allocation of Internet Display Advertising Considering Multiple Metric Constraints	
IEEM20-P-0525	Optimization by Hybridization of Algorithms Rga and IIs to Solve the Container Stacking Problem at Tripoli-lebanon Seaport.	IEEM20-P-0500	SARIMA and Artificial Neural Network Models for Forecasting Electricity Consumption of a Microgrid Based Educational Building	IEEM20-P-0568	Application of Fuzzy Set Theory to Evaluate Large Scale Transport Infrastructure Risk Assessment and Application of Best Practices for Risk Management	IEEM20-P-0439	Optimized Layout of Emergency Monitoring for Sudden Marine Pollution Accidents	
			PM1 PRESENTATIONS 12PM Note: Program Uses Singapore Standard Tin					
Supply Chain Management 2		Decision Analysis and Methods 2		Reliability and Maintenance Engineering 1		Manufacturing Systems 1		
Reg ID: 253 Adnan HASSAN Universiti Teknologi Malaysia		Reg ID 241 Yaqiong LV Wuhan University of Technology		Reg: 151 Danping LIN Shanghai Maritime University		Reg ID:278 Hyeong Suk NA South Dakota School of Mines and Technology		
Reg ID: 285 Yugowati PRAHARSI Shipbuilding Institute of Polytechnic Surabaya		Reg ID: 17 Vinay SINGH ABV-IIITM Gwalior		Xin WANG City University of Hong Kong		Reg ID:232 Wen WANG Shanghai Jiao Tong University		
	Optimal Planning of a Closed-loop Supply Chain with Recovery Options and Carbon Emission Considerations	IEEM20-P-0446 An Analysis of Decision to Retrofit Coal Based Power Plant with Carbon Capture Technology having Uncertain Parameters		IEEM20-P-0153	Reliability and Safety Assessment of Automated Driving Systems: Review and Preview	IEEM20-P-0197	Energy Management: Sustainable Approach Towards Industry 4.0	
IEEM20-P-1010	Evaluation Framework in Sustainable Cold Chain for Perishable Food Products: a Literature Review	IEEM20-P-0501	Prediction of Raw Material Price Using Autoregressive Integrated Moving Average	IEEM20-P-0452	An Integrated Approach for Fuzzy Failure Mode and Effect Analysis using Fuzzy AHP and Fuzzy MARCOS	IEEM20-P-1133	Critical Success Factors for Internet of Things (iot) Implementation in Manufacturing Companies in Indonesia: Literature Review and Future Research	
IEEM20-P-0152	Choosing the Right Communication Medium for Knowledge Transfer in Global Production Networks	IEEM20-P-0533	Energy Efficiency Measures and Production Resources: Towards an Integrative Classification Framework for Decision Makers	IEEM20-P-0504	Mechanization of Qualitative Risk Based Inspection Analysis	IEEM20-P-0120	Digital Twin Application for Production Optimization	
IEEM20-P-0068	Modeling the Recall Process of Bulk-Liquid Industry: A Linear Programming Approach	IEEM20-P-0557	A Game-theory Based Parking Pricing Policy	IEEM20-P-1152	Modelling and Analysis of Accelerated Degradation Testing with Practical Issues Considered	IEEM20-P-0123	Adaptive Task Sharing in Human-Robot Interaction in Assembly	
IEEM20-P-0124	Framework for the Proactive Identification of Adaptation Needs in the Configuration of Global Production Networks	IEEM20-P-0465	Least-distance Data Envelopment Analysis Model for Bankruptcy-based Performance Assessment	IEEM20-P-0016	A Deterministic Analysis Method of Embedded System Based on Event-driven		Enterprise-wide Value Stream Mapping: from Dysfunctional Organization to Cross-functional, Collaborative Learning and Improvement	

IEEM20-P-0219 Life Prediction of Self-locking Nut for Aeroengine Based on Survival Analysis and Bayesian Network

Experimental Study on Visual Variables Influencing Icon

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Collaborative Learning and Improvement IEEM20-P-0054 Design and Development of a Hydrothermal Reactor for Bio Coal Production for Application in Solid Waste

Management Technologies

		PM2 PRESENTATIONS 2:30 Note: Program Uses Singapore Standard Tin				
Production Planning and Control 1		Service Innovation and Management 1	Technology and Knowledge Management 2		Information Processing and Engineering 1	
Songlin CHEN Nanyang Technological University	Reg ID: 16 Nagesh SHUKLA University of Technology Sydney			Kah Hin CHAI National University of Singapore	Reg ID: 144 Gabriel FUENTES Centre for Applied Research at NHH	
Reg ID:27 Aries SUSANTY Diponegoro University Indonesia	Annapoornima M SUBRAMANIAN National University of Singapore		Reg ID: 75 Leif OLSSON <i>Mid Sweden University</i>		Seung Ki MOON Nanyang Technological University	
EM20-P-0022 Multi-factory Job Shop Scheduling With Due Date Objective	IEEM20-P-0140	Organizational Learning from Failure Can Augment Ambidexterity: Evidence from Japan	IEEM20-P-0060 Cyber-Physical Operator Assistance Systems in Industry: Cross-Hierarchical Perspectives on Augmenting Human		IEEM20-P-0161 Research on Layout Design of Situation Interface Based on Comprehensive Importance Evaluation of Nodes	
Risk Assessment and Treatment Planning for Energy- flexible Production Systems Using an Additional Cost Model	IEEM20-P-0248	The Business Ecosystem Management Canvas	IEEM20-P-0246	Abilities Case Study for the Integrated Development of a Modular System for Vehicle Superstructures of Battery Electric Light Commercial Vehicles	IEEM20-P-0164 Exploring Ai-driven Business Models: Conceptualization and Expectations in the Machinery Industry	
	IEEM20-P-0484	Lean Management 4.0: Proposition for the Evolution of Managerial Criteria	IEEM20-P-0301	The Enhancement of E-learning for the Boring Process to Leverage the Knowledge Management Maturity	IEEM20-P-0171 A Pilot Study of Industry 4.0 Asset Interoperability Challenges in an Industry 4.0 Laboratory	
Planning of Available Resources Considering Ergonomics Under Deterministic Highly Variable Demand	IEEM20-P-0508	Business Model and Organization - Interdependencies for Customer-centric Continuous Innovation in Subscription Business	IEEM20-P-0551	The Impact of Business Intelligence on Decision-making in Public Organisations	Addressing Supply Chain Vulnerability by Supporting Emerging IT: An Analysis Based on SCOR Framework	
EM20-P-0516 Why a systematic Investigation of Production Planning and Control Procedures is needed for the target-oriented Configuration of PPC	IEEM20-P-0526	Measuring Information Technology Service Levels: a Literature Review	IEEM20-P-0053	Development and Evaluation of a Blockchain Concept for Production Planning and Control in the Semiconductor Industry	IEEM20-P-0402 A Customized Smart Medical Mask for Healthcare Personnel	
EM20-P-0517 Reverse Logistics with Disassembly, Assembly, Repair and Substitution	IEEM20-P-0564	A User-centered Evaluation and Redesign Approach for E- Government APP	IEEM20-P-0558	Methodology for the Assessment of Complexity in Corporate Value Networks	IEEM20-P-0419 A Spatial Framework for Extracting Suez Canal Transit Information from AIS	
		PM3 PRESENTATIONS 4:30 Note: Program Uses Singapore Standard Tin				
Systems Modeling and Simulation 2		Project Management 2		E-Business and E-Commerce 1	Operations Research 2	
Szu Hui NG National University of Singapore		Reg ID: 170 Hichem Haddou BENDERBAL <i>IMT Atlantique</i>		Reg ID: 231 Krishna KOTTAKKI Bundl Technologies	Reg ID: 69 Ripon CHAKRABORTTY UNSW Canberra at ADFA	
Reg ID: 16 Nagesh SHUKLA University of Technology Sydney	Reg ID: 192 Nadjib BRAHIMI Rennes School of Business		IE	Reg ID: 107 Linda ZHANG SEG School of Management (LEM-CNRS 9221)	Reg ID: 215 Gitae KIM Hanbat National University	
Systems Considering Order Correlation Pattern	IEEM20-P-0237	Empirical Classification of Advanced Information Technology Towards Their Support of Leadership Behaviors in Virtual Project Management Settings	IEEM20-P-0167	Digital Transformations in the Apparel Value Chain for Mass Personalization	IEEM20-P-0030 Performance Analysis of Greedy-based Construction Heuristics on Classical Vehicle Routing Problem	
EM20-P-0051 A Simulation-based Method for Predicting the Time-varying Passenger Demand at Metro Rail Transit Line 3 Using Monte Carlo Simulation	IEEM20-P-0307		IEEM20-P-0384	A Constrained Clustering Algorithm for the Location of Express Shops	IEEM20-P-0042 Optimization of Capacitated Vehicle Routing Problem for Recyclable Solid Waste Collection Using Genetic and Seed Genetic Algorithms Hybridized With Greedy Algorithm	
Human Behavior		A Taxonomy for Engineering Change Management in Complex ETO Firms	IEEM20-P-0468	Efficient Detection of Shilling's Attacks in Collaborative Filtering Recommendation Systems Using Deep Learning Models	IEEM20-P-0045 A Large Neighbourhood Search Approach to Airline Schedule Disruption Recovery Problem	
EM20-P-0209 Towards a European Hyperloop Network: An Alternative to Air and Rail Passenger Travel	IEEM20-P-0448	Sustainability in the Civil Construction Based on Emergy Analysis Theory (EmA): a Systematic Review of Literature	IEEM20-P-0486	Relative Importance of Determinants Towards Users' Privacy Disclosure on Social Network Sites by Privacy Invasion Experience Based on Construal Level Theory	IEEM20-P-0162 Model for Hazardous Material Transportation Problem via Lane Reservation under Considering Environmental Risk	
EM20-P-0543 A Cross-disciplinary Model-based Systems Engineering Workflow of Automated Production Systems Leveraging Socio-technical Aspects	IEEM20-P-0174	Investigating the Effects of Modular Product Structures to Support Design Decisions in Modularization Projects	IEEM20-P-0330		IEEM20-P-0189 A multi-objective emergency scheduling model for forest fires with priority areas	
			IEEM20-P-0355	Customer Satisfaction with Order Fulfillment in E-Retail Supply Chains in China: An Empirical Study	IEEM20-P-0242 An Order-First Split-Second Approach to a Novel Variant of the Cardinality-Constrained Covering Traveling Salesperson Problem	
		PM4 PRESENTATIONS 7PM Note: Program Uses Singapore Standard Tin				
Manufacturing Systems 2		Big Data and Analytics 2		Human Factors	Poster Session 2 Mon-14 Dec to Thu-17 Dec Poster Display: A collection of poster PNGs or audio/video files on display for attendees to "visit".	
Reg ID: 170 Hichem Haddou BENDERBAL <i>IMT Atlantiqu</i> e		Reg ID: 12 Philipp BAUMANN <i>University of Bern</i>		Reg ID:282 Michel ALDANONDO Toulouse University / IMT-Mines Albi	Seung Ki MOON Nanyang Technological University	
Reg ID: 32 Junfeng WANG Huazhong University of Science and Technology		Reg ID: 13 Oliver STRUB University of Bern	Reg ID: 107 Linda ZHANG IESEG School of Management (LEM-CNRS 9221)		Reg ID:14 Omid Fatahi VALILAI Jacobs University Bremen gGmbH	
EM20-P-0155 Diagnosis on Energy and Sustainability of Reconfigurable Manufacturing System (RMS) Design: a Bi-level Decomposition Approach	IEEM20-P-0115 A Dynamic Feedback System Analysis on the Mechanism of Shipping Freight		IEEM20-P-0028 The Effect of Gender, Hand Anthropometry, Hand Dominance, and High School Grade on Hand Grip Strength in Filipino Teenagers Aged 15-18: A Structural Equation		IEEM20-P-0027 Using Online Big Data for Determining the Importance of Product Attributes	
4					IEEM20-P-0549 An Application on Building Information Model to Procurement Strategy of Copper Raw Material with Big Data Analytics	
EM20-P-0170 Industrial Wastewater Treatment Configuration: Insights from a Northern Italy Textile Manufacturing District	IEEM20-P-0234	Optimal Feature Selection for Support Vector Machine Classifiers	IEEM20-P-0075	Influence of Presentation Mode on User's Mental Map in Temporal Sequence Data Visualization	IEEM20-P-0292 What Makes Consumers More Strategic? Evidence from ar Experimental Study	
					IEEM20-P-0295 Classification and weighting of strategic projects in organizations under multi-criteria decision-making situations	
iEM20-P-0213 A Data Model to Apply Process Mining in End-to-end Order Processing Processes of Manufacturing Companies	IEEM20-P-0256	News Media Sentiments and Stock Markets: the Indian Perspective	TEEM20-P-0178	The Importance of Including Qualitative Data in Technology Evaluation - Investigating the Technology Implementation Evaluation Score (ties)	IEEM20-P-0537 Trade-terms Based Pricing Method for Export Commodity IEEM20-P-0553 Research on Key Factors of Total Social Welfare System o	
	IEEM20-P-0281	Feature Engineering for Supply Analysis in Ocean	IEEM20-P-0220	Young Consumers' Perception Towards Downstream	Car Hailing Industry- Based on Dematel Method IEEM20-P-0437 A Procedure for Product Variety Reduction That Considers	
Metal Car Body Parts Using Forming Tools Made of Fused Filament Fabricated PLA		Transportation		Green Supply Chain Practices	Linked Revenue IEEM20-P-1134 Aerosol Jet Printed Temperature Sensor for Wireless Monitoring	
EM20-P-0343 Exploring Reconfigurability in Manufacturing through IIoT Connected MES/MOM	IEEM20-P-0329	Using of Social Media Data Analytics for Applying Digital Twins in Product Development	IEEM20-P-0306	What Makes a Robot Robotic? Application of Speed, Fluidity and Animation Principles to Define Human Versus Robotic Movement	IEEM20-P-0360 Research on the Relationship between Self-identity and Organizational Citizenship Behaviors of the New Generation Knowledge Workers - The Mediating Effects of	
	IEEM20-P-0333	A Binary Linear Programming-Based K-Means Algorithm For Clustering with Must-Link and Cannot-Link Constraints	IEEM20-P-0434	Comparing Design Preference of Guide Road Signs by Native Arabic Speakers and International Speakers in the	organizational identification IEEM20-P-1158 The Managers Kit Turbo: Setting Up and Establish Teams in Case of an Emergency of a Manufacturing Cell.	

			Day 3 - Wednesday, 16	Dec 2020 P	resentations		
			AM3 PRESENTATIONS 8AM				
Supply Chain Management 3 Service Innovation and Management 2					Healthcare Systems and Management Reliability and Maintenance Engineering		
Reg ID: 253 Adnan HASSAN Universiti Teknologi Malaysia		Reg ID: 28 Fitra LESTARI Faculty of Science and Technology Sultan Syarif Kasim State Islamic University		Reg ID: 276 Arnesh TELUKDARIE University of Johannesburg		Reg ID: 66 Zied HAJEJ LGIPM/Lorraine University	
Reg ID: 285 Yugowati PRAHARSI Shipbuilding Institute of Polytechnic Surabaya IEEM20-P-0397 Optimal Decisions for Reverse Supply Chain Considering lers of Dual Collection Channel		Reg: 151 Danping LIN Shanghai Maritime University IEEM20-P-0062 Affecting Factors of Consumers' Purchase Decision on Sustainable Fashion Clothing Products		Reg ID: 227 Tingyao XIONG Radford University IEEM20-P-0037 Community Operational Research (OR) and Design Thinking for the Health and Social Services: A		Reg ID: 71 Kuo-Wei WU National Taiwan University IEEM20-P-0035 Jump Diffusion Process Model Considering Component Dependency in Open Source Project for Development	
EEM20-P-0425	Risk Analysis of Upstream Halal Supply Chain in Meat Industry in Indonesia Using DEMATEL-Based ANP	IEEM20-P-0067	Performance Analysis for a Two-stage Queuing System with Online Service	IEEM20-P-0154	Comparative Analysis Healthcare Energy Management: a Digital Approach	IEEM20-P-1039	Effort Management Exact Method and Approximated Method for Redundancy Allocation Problem of Multi-state Series-parallel System
EEM20-P-0426	Prioritizing Risks of Halal Meat Supply Chain in Indonesian Downstream Sector Using DEMATEL-Based ANP	IEEM20-P-0078	Impact of Halal Labeling on Brand Image on Cosmetic Product	IEEM20-P-0367	A Systems Approach to a Sector Wide Productivity Intervention in the Social Services: Case Report	IEEM20-P-0235	High-fidelity Finite Element Modelling and Simulation of Solid Resilient Tire: Application to Forklift Solid Resilient Tire
EEM20-P-0429	Supply Chain Risk Assessment of Generic Medicine in Indonesia Using DEMATEL-Based ANP (DANP)	IEEM20-P-0061	A Study on IoT-enabled Appliance Management Service Platform Business Model	IEEM20-P-0378	Evolutionary Game Analysis of the Quality of Elderly-care Services Based on Public-Private Partnership Supply Pattern	IEEM20-P-0413	Integrated Preventive Maintenance Improvement and Spare Part Ordering Strategy for Age Deterioration Components
EEM20-P-0462	Pricing and Production Decisions in a Product-Service System Supply Chain	IEEM20-P-0262	Is a Disruptive Technology Disruptive? The Readiness Perspective Based on TOE	IEEM20-P-0521	The Impact of Social Media on the Quality of Doctor- Patient Interaction	IEEM20-P-0417	Health State Prognostics Study Based on Extreme Learning Machine
EEM20-P-0493	DEMATEL-based Analytic Network Process (ANP) Approach to Assess the Vaccine Supply Chain Risk in Indonesia			IEEM20-P-1099	Binary Sequences with Large Srs Contrast Ratios	IEEM20-P-0163	Integrated Production, Maintenance and Control Chart of Supply Chain Management Under Quality Constraint
			AM4 PRESENTATIONS 10AM Note: Program Uses Singapore Standard Tin				
Production Planning and Control 2			Information Processing and Engineering 2		Engineering Education and Training 1	Poster Session 3 Mon-14 Dec to Thu-17 Dec Poster Display: A collection of poster PNGs or audio/video files on display for attendees to "visit".	
Reg ID 241 Yaqiong LV Wuhan University of Technology		Reg ID: 17 Vinay SINGH ABV-IIITM Gwalior		Reg ID: 66 Zied HAJEJ LGIPM/Lorraine University		Reg ID:232 Wen WANG Shanghai Jiao Tong University	
Ding ZHANG City University of Hong Kong		Reg ID: 227 Tingyao XIONG Radford University		Reg ID: 28 Fitra LESTARI Faculty of Science and Technology Sultan Syarif Kasim State Islamic University		Min XIE City University of Hong Kong	
EEM20-P-0180	Simulation Optimization Framework for Online Deployment and Adjustment of Reconfigurable Machines in Job Shops	IEEM20-P-0025	Relating Environmental and Structural Uncertainty to Management Decision Making Style and Behavior During Information System Planning and Implementation	IEEM20-P-0071	A Research on the Training Status of EECS Students' Core Competency in University of Science and Technology		A Model of Adding Relations with Short Communication Lengths in Two Levels of a Complete K-ary Linking Pin Organization Structure Process Capability Index Under Simultaneous Effects of Process Deterioration and Learning
EEM20-P-0202	Implementing Real-time Scheduling System on a Precision Engineering Company in Singapore	IEEM20-P-0211	A Feasible Schema Design Strategy for Amazon Dynamodb: a Nested Normal Form Approach	IEEM20-P-0356	Gamification in Assembly Training: a Systematic Review		Advanced Planning and Scheduling System Based on Mu resource Closed-loop Management
EEM20-P-0227	Production Decisions for Standard and Customized Products with Postponement	IEEM20-P-0218	Intelligent Maintenance of Complex Equipment Based on Blockchain and Digital Twin Technologies	IEEM20-P-0412	Simulation Paper Planes a Way to Teach Lean Production		Influence of Six Sigma Dmaic to Reduce Time Wasting of Line Supervisor in Production Manufacturing How Far We Moved and How Long the Road Ahead? On the On-road Testing of Prototype Automated Driving
EEM20-P-0449	Allocation Optimization for Subscription Box Services	IEEM20-P-0463	Reinforcement Learning-based Differential Evolution for Solving Economic Dispatch Problems			IEEM20-P-0416	Systems Safety and Security Study for Shore Power System: State of-the-Art
EEM20-P-0130	Simulation-based Assembly Line Balancing in U-shaped, Parallel U-shaped, and Parallel Adjacent U-shaped Layouts	IEEM20-P-0058	A Statistical Comparison of Novel Coronavirus Cases between the Philippines and South Korea	IEEM20-P-0541	Independent Campus on Industrial Engineering Undergraduate Program in Indonesia a Delphi Method	IEEM20-P-0409	Optimization of multiple products transportation under th background of industrial symbiosis network
		IEEM20-P-0436	Evaluation of Chinese Sentiment Analysis Apis Based on Online Reviews			IEEM20-P-0303	Digital Twin-based Framework for Green Building Maintenance System
			PM5 PRESENTATIONS 12PM Note: Program Uses Singapore Standard Tin				
	Supply Chain Management 4		Big Data and Analytics 3	Saf	ety, Security and Risk Management	9	Quality Control and Management
	Reg ID: 215 Gitae KIM Hanbat National University	Min XIE City University of Hong Kong		Reg ID:282 Michel ALDANONDO Toulouse University / IMT-Mines Albi		Reg ID: 66 Zied HAJEJ LGIPM/Lorraine University	
Reg ID:27 Aries SUSANTY Diponegoro University Indonesia		Reg ID:14 Omid Fatahi VALILAI Jacobs University Bremen gGmbH		Dingcheng ZHANG City University of Hong Kong		Reg: 151 Danping LIN Shanghai Maritime University	
EEM20-P-0136	Sustainability Assessment of Contract Farming Broiler Chicken Supply Chain Using Rap-poultry		Monitoring and Control of Unstructured Manufacturing Big Data	IEEM20-P-0017	An Investigation of the Perceived Adverse Impacts and Control of Construction Noise in China	IEEM20-P-0114	Development and Validation of a Failure-Cause-Searching and Solution-Finding Algorithm Based on Complaint Information from the Use Phase
EEM20-P-0138	Vehicle Arrangement Problem for an Automobile Carrier Terminal	IEEM20-P-0492	Topological Data Analysis for Identifying Critical Transitions in Cryptocurrency Time Series	IEEM20-P-0149	Digital Twin for Legal Requirements in Production and Logistics Based on the Example of the Storage of Hazardous Substances	IEEM20-P-0148	A Failure Handling Process Model for Failure Managemen in Manual Assembly
EEM20-P-0147	Bi-objective Multistage Decentralized Supply Chain Planning	IEEM20-P-0536	GPS-derived Measures of Freight Trucks for Rest Areas: a Case-study Based Analysis	IEEM20-P-0198	Frequency Probabilistic Risk Assessment using Coloured Petri Nets for Telemedicine	IEEM20-P-0251	The Implementation of Iso 9001:2015 to Improve Quality System a Descriptive Study on a South African Service Organisation
EEM20-P-0212	The Impact of Smart-warehousing on a Local Foodservice Equipment- Company's External Customers.	IEEM20-P-0569	User Aggregation Models for a Video-on-demand (VoD) System	IEEM20-P-1093	Towards a Risk Engineering Knowledge Model for Technical System Offers in Engineer to Order Situations	IEEM20-P-0288	The Relationship Between Quality Management Practices and Service Quality in South African Bank
EEM20-P-0214	Impacts of Emerging Information Technologies on Supply Chains: A Systematic Literature Review	IEEM20-P-0369	Data Quality Issues When Quantifying Costs of Complexity	IEEM20-P-0186	Risk Assessment for Food Safety in Chicken Slaughterhouse Industry	IEEM20-P-0344	An Integrated Modeling Framework for Multivariate Poisson Process with Temporal and Spatial Correlations
EEM20-P-1059	Coordination, Capacity Planning and Joint Decision- making in Agricultural Supply Chains Under Supply and Demand Uncertainty		A User Segmentation Approach for Ugc Platform Based on a New Lead User Identification Index System and K-means Clustering			IEEM20-P-0431	Total Quality Management & Customer Satisfaction in Public Hospitals in Sri Lanka

PM6 PRESENTATIONS 2:30PM - 4PM, WED-16 DEC 2020 Note: Program Uses Singapore Standard Time and is 8 hours ahead of GMT (GMT+08:00)							
Systems Modeling			Intelligent Systems	- 10 - 5 - 110	Manufacturing Systems 3	Eng	ineering Economy and Cost Analysis
Reg ID: 144 Gabriel FUENTES		Reg ID: 256 Ramakrushna PADHY IIM Kashipur		Reg ID: 170 Hichem Haddou BENDERBAL		Kah Hin CHAI National University of Singapore	
Dingcheng ZHANG City University of Hong Kong			Annapoornima M SUBRAMANIAN National University of Singapore	и	IMT Atlantique Reg ID: 32 Junfeng WANG azhong University of Science and Technology		Reg ID: 75 Leif OLSSON Mid Sweden University
IEEM20-P-0258	A 0-1 Mixed-integer Program Approach towards Solving the Stochastic Aircraft Sequencing Problem with Constant Deceleration Rate	IEEM20-P-0336	Enablers and Barriers to the Implementation of Digital Twins in the Process Industry: a Systematic Literature Review		Digital Twin-based Production Simulation of Discrete Manufacturing Shop-floor for Onsite Performance Analysis	IEEM20-P-0009	Operating Expense Budgeting Using Standard Activity Measurement Plan
IEEM20-P-0451	Determining the Freight Volumes for a Decentralized Waterborne Container Transportation Service	IEEM20-P-0403	Neural Network Control of Optical Tweezers System for Manipulation of Microscopic Objects		Development of a Lean Manufacturing and SIp-based System for a Footwear Company	IEEM20-P-0146	Time-related Differentiation of Complexity Costs using Process Data Mining
IEEM20-P-0479	Data-driven Learning for Approximation of Nonlinear Functions with Stochastic Disturbances	IEEM20-P-0485	Optimization of Multilayer Design for FTTH Networks Based on Geographical Information		Improving the Cutting Process Through Lean Manufacturing in a Peruvian Textile Sme	IEEM20-P-0363	The effect of geographical factor on the use of Combinable containers
IEEM20-P-1151	Agent-based Simulation of Heuristics-driven Evacuation Behavior Under Radiological Emergency: a Case Study of the Ko-ri Area	IEEM20-P-0559	Development of a Novel Control Approach for Collaborative Robotics in I4 Intelligent Flexible Assembling Cells		Manufacturing Cloud Service Composition Based on the Non-cooperative and Cooperative Game Theory	IEEM20-P-1083	Ev Diffusion Model Considering Differences in Network Externality Structure
IEEM20-P-0206	Identifying Suitable Transshipment Points for a Decentralized Waterborne Container Transportation Network	IEEM20-P-0560	Implementation of a Bi-Directional Digital Twin for Industry 4 Labs in Academia: A solution based on OPC UA	IEEM20-P-0376	Reengineering Workflow for Planned Reuse of IEC 61131-3 Legacy Software		
IEEM20-P-0554	Modelling the Impact of Covid19 Pandemic on a Hardware Retail Supply Chain				Goal-Lever-Indicator-Principle to Derive Recommendations for Improving IEC 61131-3 Control Software		
			PM7 PRESENTATIONS 4:300				
	E-Business and E-Commerce		Note: Program Uses Singapore Standard Tin	ne and is 8 no		En	gineering Education and Training 2
	2 Reg ID: 231		and Methods 3 Reg ID: 256		Operations Research 3 Reg ID: 12	<u> </u>	gineering Education and Training 2 Reg ID: 75
	Krishna KOTTAKKI Bundl Technologies		Ramakrushna PADHY IIM Kashipur		Philipp BAUMANN University of Bern		Leif OLSSON Mid Sweden University
	Reg ID: 107 Linda ZHANG SEG School of Management (LEM-CNRS 9221)		Xin WANG City University of Hong Kong		Reg ID: 69 Ripon CHAKRABORTTY UNSW Canberra at ADFA	Reg ID: 38 Yogi Tri PRASETYO Mapua University	
IEEM20-P-0080	The Influence to Customer Engagement Behavior by Different Strategy for Different Objective in Online Marketing	IEEM20-P-0450	On-Chip Democracy: A Study on the Use of Voting Systems for Computer Cache Memory Management		A Multi-Round Auction for Staff to Job Assignment Under Myopic Best Response Dynamics	IEEM20-P-0122	The Impact of SARS-CoV-2 on Engineering Education: Student Perceptions from Three Countries
IEEM20-P-0267	Customer Stickiness to "Internet +" Environmental Protection Public Welfare Platforms		Blockchain Adoption Time of Shipowners: a Game Theoretic Analysis		Simulated Annealing Algorithm Performance on Two- echelon Vehicle Routing Problem-mapping Operation with Drones	IEEM20-P-0331	Blackboard E-learning System Acceptance and Satisfaction Among Filipino High School Students: an Extended Technology Acceptance Model (tam) Approach
IEEM20-P-0298	An Optimization Framework for On-demand Meal Delivery System		Drivers for Lithium-ion Battery Recycling Industry: a Delphi Study		A Relax-and-solve Algorithm for the Ordered Flow-shop Scheduling Problem	IEEM20-P-0420	Checklist as an Effective means of Information Delivery in On-Demand Learning
IEEM20-P-0299	Customer Experience Driven Assignment Logic for Online Food Delivery		The Implementation of the Lean Thinking Concept for Reducing Waste: a Study Case in the Leather Tanning Process		A Stochastic Programming Approach for Configuration Optimization of Reconfigurable Manufacturing Systems		
IEEM20-P-0320	Equal Pricing or Free Pricing? the Pricing Strategies of B2c Platform	IEEM20-P-0455	Data Model for Managing Product Complexity		Estimation of Weights for Multi-objective Production Scheduling Problems -an Inverse Optimization Approach-		
IEEM20-P-0321	Consistent Pricing or Inconsistent Pricing: a Tool to Deal with Dominant E-tailers	IEEM20-P-0217	Evolutionary Analysis of Vaccination Strategies for Infectious Diseases Considering Neutral Strategy		Robust Optimization Based Heuristic Approach for Solving Stochastic Multi-Mode Resource Constrained Project Scheduling Problem		
			PM8 PRESENTATIONS 7PM Note: Program Uses Singapore Standard Tin				
	Supply Chain Management 5				Operations Research 4		Poster Session 4 4 Dec to Thu-17 Dec Poster Display: A on of poster PNGs or audio/video files on display for attendees to "visit".
	Reg ID: 215 Gitae KIM		Reg ID: 260 Nizar CHATTI	Reg ID: 69 Ripon CHAKRABORTTY			Tahir MAHMOOD ent of Technology, School of Science and Technology,
	Hanbat National University Reg ID:27 Aries SUSANTY	University of Angers Reg ID: 256 Ramakrushna PADHY		UNSW Canberra at ADFA Reg ID: 13 Oliver STRUB		The Open University of Hong Kong, Kowloon, Hong Kong. Reg ID:14 Omid Fatahi VALILAI	
IEEM20-P-0287	Diponegoro University Indonesia Qualitative Aspects of Communication and Relations in a	IEEM20-P-0145	IIM Kashipur Dynamic Bayesian Network Decision Model for Improving		University of Bern A Matheuristic for Practical Flights Arrival and Departure	IEEM20-P-1148	Jacobs University Bremen gGmbH 3D Printed Strain Gauge Sensor For Transport Rail
	Supply Chain for Forest Fuel		Fault Detection Procedure		Scheduling	IEEM20-P-0018	Structural Monitoring - A Proof-of-Concept Study Evaluation of Integrated Configuration: Cost and Time
							Models
IEEM20-P-0334	Determination of an Efficient Degree of Centralization in Global Production Networks	IEEM20-P-0139	Digitizing Company Analytics- Digitalization Concept for Valuable Insights		Flying Sidekick Traveling Salesman Problem with Pick-Up and Delivery and Drone Energy Optimization	IEEM20-P-0187	Concept Design of a System Architecture for a Manufacturing Cyber-physical Digital Twin System
						IEEM20-P-0181	The Process-ranking Benchmarking (prb) Model: Simplifying the It-procurement Decisional Process
IEEM20-P-0550	Blockchain in Supply Chains and Logistics: Trends in Development	IEEM20-P-0347	Creating Transparency in the Finished Vehicles Transportation Process through the Implementation of a Real-Time Decision Support System		Multi-objective Optimization for Mixed-model Assembly Line Sequencing and Balancing in the Context of Industry 4.0	IEEM20-P-0456	Profit-driven Maintenance in Process Industries
						IEEM20-P-0304	Joint Strategy of Advance Selling and Resalable Returns for Fashion Products
IEEM20-P-0466	Impact of Sharing Point of Sales Data and Inventory Information on Bullwhip Effect		Use of Analytical Hierarchy Process in Selecting the Optimum Equipment for Execution at a Construction Project	IEEM20-P-0540	An Immune Genetic Algorithm for Resource Constrained Project Scheduling Problem with Discounted Cash Flows	IEEM20-P-0432	Research on Tourism Supply Chain Coordination Under the Background of Low-carbon Tourism
						IEEM20-P-0392	A Simulation Study of Strategic Consumer Purchases
IEEM20-P-1136	Coordination Between Buyer and Supplier Using Game Theory	IEEM20-P-0405	The Influence of Macroeconomic Variables on Philippine Stock Market Indices a Structural Equation Model Approach		A Hybrid Community-based Simulated Annealing Approach for Influence Maximization in Social Networks	IEEM20-P-0567	Simulation Modeling for Inventory Planning and Control in Maintenance Systems using Lot-for-Lot Reordering Strategy
						IEEM20-P-0137	Developing Knowledge Management System for Supporting Learning Activity in the Ceramics Craft Education
IEEM20-P-0481	Controlling of Migration in Production Networks	IEEM20-P-0443	A Methodology for Value-oriented Strategic Release Planning to Provide Continuous Product Upgrading	IEEM20-P-0430	Application of Fault Tree Analysis and Petri Net Modeling in Perishable Product Supply Chain	IEEM20-P-0373	Digital Maturity in Theory and Practice: A Case Study of a Swedish Smart-Built Environment Firm
IEEM20-P-0203	Supplier Selection and Order Allocation Under Disruption: Multi-objective Evolutionary Algorithms		An Approach for Systematic Planning of Project Management Methods and Project Processes in Product				
			Development		W.1.		
		Kevnot	Day 4 - Thursday, 1 e Panel, BEST PAPER AWARD & CLOSING				

Keynote Panel, BEST PAPER AWARD & CLOSING CEREMONY 9:00AM - 11:00AM, THU-17 DEC 2020

Note: Program Uses Singapore Standard Time and is 8 hours ahead of GMT (GMT+08:00)