

2024 IEEE International Conference on Technology Management, Operations and Decisions (ICTMOD 2024)

**Sharjah, United Arab Emirates
4-6 November 2024**



**IEEE Catalog Number: CFP24TMC-POD
ISBN: 979-8-3503-6736-2**

**Copyright © 2024 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP24TMC-POD
ISBN (Print-On-Demand):	979-8-3503-6736-2
ISBN (Online):	979-8-3503-6735-5
ISSN:	2372-7268

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

TABLE OF CONTENTS

Technological Disruption in Manufacturing - Redefining Buyer-Supplier Relationships and Business Models in the Industry 4.0 Era	1
<i>Devinder Kumar, Rajesh Kumar Singh, Ruchi Mishra</i>	
A Research Agenda for Driving Innovation to Overcome Barriers in the Automotive Components Industry.....	8
<i>Boymeshack Manqoba Mdau, Sara Grobbelaar</i>	
Enhancing Supply Chain Performance Through Comparative Ranked SCOR Digital Standard Practices	16
<i>Asif Mahmood</i>	
Unlocking Potential: Identifying and Overcoming Barriers to Innovation in the Energy Sector	22
<i>Mikaela Erasmus, Sara Grobbelaar</i>	
Factors Impacting the Adoption of Blockchain in the UAE- Evaluation Using Fuzzy AHP (FAHP)	28
<i>Karam Al-Assaf, Ryan Alshaikh, Shaikah Aldoukhi, Malick Ndiaye</i>	
Assessing and Managing Risks Linked to Emerging Technologies	36
<i>Issa Diop, Georges Abdul-Nour, Dragan Komljenovic</i>	
Coordination in Closed-Loop Supply Chains with Remanufacturing: A Bibliometric and Cluster Analysis	42
<i>Saleh Albaiti, Ridvan Aydin, Ali Cheaitou</i>	
Assessment of Vendor Managed Inventory (VMI) Models in the Healthcare Commodities Industry	48
<i>Wadhah Alzahmi, Karam Al-Assaf, Ryan Al Sheikh, Abdulrahim Shamayleh</i>	
Integrating ERP Systems and Performance Management in Healthcare: Insights and Future Directions	55
<i>Wadhah Alzahmi, Karam Al-Assaf, Vian Ahmed, Zied Bahroun</i>	
Towards a Behaviour Model for Drones Integration in Agile Manufacturing Systems.....	63
<i>Oswaldo Armando Pérez Lara, Maroua Nouiri, Farouk Belkadi, Abdelhamid Chriette</i>	
Accelerating Blockchain Adoption: How Blockchain Technology Providers Revolutionize Supply Chain Management.....	69
<i>Elhoussaine Wahyana, Lamiae Benhayoun, Néstor Fabián Ayala</i>	
Value-Driven Healthcare: Cost-Benefit ML Approach to AKI Management in Cardiac Surgery	75
<i>Dima Tareq Al-Absi, Mecit Can Emre Simsekler, Siddiq Anwar, Mohammed Atif Omar</i>	
Sustainable ERP Systems: Current Trends, Challenges, and Future Directions.....	82
<i>Wadhah Alzahmi, Karam Al-Assaf, Ryan Al Sheikh, Zied Bahroun</i>	
A Case Study of Social Media Analytics for Effective Digital Marketing in Textile Circularity	90
<i>Omaymah Almashaleh, Hendro Wicaksono, Omid Fatahi Valilai</i>	
Impact of Weather on Radio-Frequency Energy Harvesting Efficiency: Review and Future Directions	97
<i>Rami Zaino, Vian S Ahmed, Mohammad Essam Alozn, Ahmed Alhammadi</i>	

Technology Readiness, Innovation Gaps and Valleys of Death in Railway Innovation: A Scoping Review and Research Agenda	104
<i>Aschwin Van Rooyen, SS. Grobbelaar</i>	
On the Detection of Manipulated Identification Documents	111
<i>Daniel Phillips, Patrick Hosein</i>	
Study into Antecedents of Effectiveness of PMOs in the United Arab Emirates	117
<i>Aditya Ajit Baswan, A Seetharaman</i>	
Improving National Competitiveness Through the Optimized Allocation of Governmental Resources	123
<i>Nirvana Kistow, Patrick Hosein</i>	
Time Study Based Model to Optimize the Assembly Line Efficiency and Labor Cost Incorporating Human Factors	129
<i>Muhammad Ehtasham Akbar, Afshan Naseem, Zunaira Sajjad, Ali Ahsan, Ratna Saha</i>	
A Review of Waste Management in the Healthcare Sector	135
<i>Haneen Alrabiah, Vian Ahmed, Zied Bahrour</i>	
Transformative Potential of 3D Printing in Spare Parts Management: Challenges, Benefits, and Future Directions.....	143
<i>Wadhah Alzahmi, Abdulrahim Shamayleh</i>	
Industry 4.0 Deciphered: Mapping Key Technologies Adoption in Industry	150
<i>Shweta Solanki, Satya Shah, Syed Hasan</i>	
The Resilience of UK's Food Retail Supply Chains and Business Strategies.....	156
<i>Shweta Solanki, Satya Shah, Syed Hasan</i>	
Adopting Sustainable Water-Waste Management Operations in the Mining Sector: An Integrated Research	161
<i>Syed Musharaf Mujupur Rahman, Olumide Olajide Ojo, Satya Shah</i>	
Impact of Digital Transformation on Conventional Business Models: A Review	167
<i>Basith Mohammed, Olumide Olajide Ojo, Satya Shah</i>	
Industry 4.0 Technologies and Green Supply Chain Implementation in Automotive and Food Industry.....	173
<i>Vishwas Manjunatha, Satya Shah, Olumide Ojo</i>	
Study of Value Chain Business Models Impact on Firms Strategy	178
<i>Vishwas Manjunatha, Satya Shah, Olumide Ojo</i>	
National Cultural Influence on ISO 9001 Implementation in Construction Industry	184
<i>Abdallah Jaber, Safwan Altarazi</i>	
Security and Ethics Readiness Levels: Two New Scales.....	189
<i>Laurynas Adomaitis, Björn Hoog, Alexei Grinbaum</i>	
Integrating Blockchain, Industry 4.0 and Emerging Technologies in the Logistics of Circular Economy: Theoretical Framework	197
<i>Humaid Al Naqbi, Haya Alastal, Hussein Kaya</i>	

Guidance on a Digital Factory Twin: Proposal for a Reference Architecture.....	205
<i>Lick Jonas, Kattenstroth Fiona, Trienens Malte, Disselkamp Jan-Philipp, Kühn Arno, Dumitrescu Roman</i>	
Design of a Sustainable Multimodal Transportation Network for Waste Management.....	212
<i>Rim Larbi, Julien Trochu, Bacem Ktari, Amin Chaabane</i>	
Order Matching Mechanism in Order-Driven Markets	219
<i>Chaoran Wang, Julin Liu</i>	
Mathematical Models Applications in Digital Supply Chain Network	226
<i>Kamar Zekhnini, Abba Chaoune Benabdellah, Arij Lahmar</i>	
The Role of Technology in Mitigating Process Improvement Project Failures: A Qualitative Study.....	232
<i>Mariam Bader, Raja Jayaraman, Ravindra S Goonetilleke</i>	
From Knowledge Management to a Learning Organization: Strategic Use of AI Tools	237
<i>Kimberley Nault, Umar Ruhi</i>	
Assessing the Prosperity of European Nations: A Cluster Analysis Based Approach	243
<i>Junu Jahana C, Tania M Joseph, Ayman Alzaatreh</i>	
Digital Lean Practices in High-Mix, Low-Volume Manufacturing: A Case Study of Manitowoc	249
<i>Zineb Mrabbaj, Malek Masmoudi, Zahir Messaoudene, Bernard Penz, Bertrand Depale</i>	
Combining Blockchain, IoT and AI for Food Safety Assurance: A Systemic Approach.....	255
<i>Rukshanda Kamran, Balan Sundarakani</i>	
Applying AHP to Identify and Prioritize Barriers Impacting Industry 4.0 Technologies on the Nexus of Circular Economy and Sustainable Performance.....	262
<i>Than'A Alsaoudi, Adolf Acquaye, Malik Khalfan</i>	
Towards a Theoretical Framework for Business Model Development for Colostrum Processing	268
<i>Tinashe M. Mutirori, Meelan Roopa, Sara S. Grobbelaar</i>	
Optimal Placement of Self-Service Banking Kiosks	274
<i>Julie Koon Koon, Patrick Hosein</i>	
Business to Business and Technology - Nurturing Smart Higher Education in Underdeveloped Countries for Social and Economic Transformation in the Industry 4.0 Age	280
<i>Ali Ahsan, Ratna Saha, Vipin Kumar Mehta</i>	
Multi-Agent Modeling and Discrete-Event Simulation for Analyzing the Responsiveness of Pre- Hospital Emergency Services in the Event of Mass Casualties Due to Rare Events.....	286
<i>Kokou Edjinedja, Omar Elfahim, Émilien Arnaud, Oussama Barakat, Thibaut Desmettre, Stephan Robert-Nicoud</i>	
Local Search for Solving a Hybrid Flowshop Sequencing Problem: A Case Study of a Crane Manufacturer	293
<i>Zineb Mrabbaj, Malek Masmoudi, Zahir Messaoudene, Bernard Penz, Bertrand Depale</i>	
Role of Artificial Intelligence Capabilities in Enhancing Sustainable Agricultural Supply Chain Performance.....	299
<i>Maha Aldhaheer, Rohit Sharma, Balan Sundarakani</i>	
Determinants of Customer Loyalty in E-Banking: Evidence from Morocco	304
<i>Yerrou Hafssa, Achmaoui Amina, Benrokiya Oumaima</i>	

Fairness and One Health in Food Systems: Developing the Research Agenda	309
<i>Masiwa Zata, S. S. Grobbelaar, I. Meyer</i>	
An Exploration of Smart Tourism Ecosystem from the Value Co-Creation Lens a Case Study in China	315
<i>Julin Liu, Ping Gao</i>	
Integrating Bibliometrics with Design Thinking to Enhance Technological Innovation.....	322
<i>Alireza Dadashi, Gerko Wende</i>	
Antecedents of Data-Driven Product Management – Data Taxonomy and Cluster & Software Categories.....	329
<i>Timm Fichtler, Lisa Kirchberg, Khoren Grigoryan, Christian Koldewey, Roman Dumitrescu</i>	
Exploring the Transformative Potential of Generative Artificial Intelligence in Mechanical Engineering Education	335
<i>Mohannad Alghazo, Vian Ahmed, Zied Bahroun</i>	
Investigating the Capabilities of Social Media Analytics for Understanding the Consumers' Perception of Environmental Sustainability	340
<i>Abdullah Rafique, Hendro Wicaksono, Omid Fatahi Valilai</i>	
Investigating the AI Drivers Integrating in Healthcare Systems.....	345
<i>Ebtisam Tahsoun Alshehhi, Mohammad Khadem</i>	
Finlingo: A Conversational AI for Enhancing Financial Literacy Education in Africa	351
<i>Japheth Kiplang'At Mursi, Hamid Nach, Austin Odera, Betty Mwende, Daniel Dhol, Faith Mwikali</i>	
A LLM-Based Platform for Flood Risk Education and Weather Alerts in SIDS.....	358
<i>Letetia Addison, Akil Hosang, Tamia-Asley Tuitt, Kris Manohar, Patrick Hosein</i>	
Software Architecture for Co-Innovation Projects	364
<i>Arian Lamann, Herwig Winkler, Nizar Abdelkafi, Hans-Rüdiger Lange</i>	
Barriers of Implementing IR4.0 in the UAE Healthcare Industry	370
<i>Nouf Alzaabi, Sujana Piya</i>	
Developing a Strategic Data Science Roadmap Through Trend Analysis and Digital Maturity Assessment	377
<i>Kerem Nazliel, Kerem Kayabay, Mert Onuralp Gökalp, Ebru Gökalp Aydın, P. Erhan Eren, Altan Koçyigit</i>	
Cultivating Workplace Innovation: Establishing a Common Technical Language for Knowledge Management in a Digital Transformation Perspective - A UK-Based Global Consulting Firm Case Study.....	384
<i>Thitiwat Piyatamrong, David Guile</i>	
Application of the Single-Order Model to Minimize Capital Costs and Project Delays: A Case Study for High-Value Inventories in Construction Projects	391
<i>Mohammed Allam, Andrei Sleptchenko, Saed Amer</i>	
An Investigation into the Use of Large Language Models for Adaptive Grading of Course Projects.....	398
<i>Letetia Addison, Priya T. Ramdial, Patrick Hosein</i>	
A Review of the Multiple Criteria for the Design of Resilient Buildings.....	404
<i>Sara Abdulkmaksoud, Fayqa Akram, Vian Ahmed</i>	

Mobile Service Delivery Center Location Routing Problem (MSDCLRP).....	412
<i>Ahmad A. Mohamad, Andrei Sleptchenko, Adriana Gabor, Anis Ouali, Leandro C. Coelho</i>	
Modelling Churn as a Long-Term Profit Optimization Problem.....	418
<i>Vinayak Sharma, Patrick Hosein</i>	
Predicting Automobile Insurance Claim Rate Versus Through Severity and Frequency Predictions.....	425
<i>Dayanand Moonoo, Patrick Hosein</i>	
On the Prediction of a Multidimensional Vulnerability Index for Climate Resilience	431
<i>Andrew Kemp, Letetia Addison, Patrick Hosein</i>	
The Design and Development of a Simulation Game on Resource Management for Construction Projects	437
<i>Yara Elenany, Vian Ahmed</i>	
Enhancing Recommender Systems: A Practical Study on Loss Function Optimization in B2B Commerce	442
<i>Linus Desczyk, Sahar Qaadan, Stefan Rist</i>	
Enhancing Precision Livestock Farming Management with AI-Driven Ear Tag Detection and OCR Recognition	449
<i>Reem Alomair, Abrar Al-Amoudi, Abdulrahman Javaid, Mustafa Alnaser, Shiekhah Al Binali</i>	
A Predictive Model for TSH Levels Based on Thyroid Disorders Symptoms	455
<i>Areej Mohammed, Hussam Alshraideh, Abdulrahim Shamayleh</i>	
Developing a Data-Driven Energy Demand Predictor for Electric Vehicles in the UAE Using Statistical Analysis and Machine Learning.....	460
<i>Reza Davoodi Far, Eiman Elghanam, Mohamed S. Hassan, Ahmed Osman</i>	
Assessing Blockchain-Based Platforms for Organic Food Supplychain	465
<i>Mariam Mohamed Moustapha, Malek Masmoudi, Mohamed Elhoseny</i>	
The Impact of Digitalization on the Sustainability of the Supply Chain	472
<i>Radi Moh'D Radi, Ridvan Aydin, Sharfuddin Ahmed Khan</i>	
Case Study: Identifying Comparison Criteria for AHP Analysis of Controlled Environment Agriculture Systems	479
<i>Shaikha Khamis Alnaqbi, Zehra Canan Araci</i>	
Using SysML as a Modelling Language for Dataspaces	484
<i>Pranav Jayant Kulkarni, Julian Zerbin, Christian Koldewey, Ruslan Bernijazov, Roman Dumitrescu</i>	
Predicting Event Participation for an Event-Based Social Network.....	490
<i>Akshay Seedath, Nicholas Hosein, Patrick Hosein</i>	
Application of Analytical Hierarchy Process (AHP) for Assessment of Plastic Waste	496
<i>Tania M Joseph, Junu Jahana C, Malick Ndiaye</i>	
The Role of Social Media Influencers on Creating Consumer Awareness on Eco-Conscious Cosmetics Products	502
<i>Sepideh Samadi, Everyl Colaco</i>	

Investigating the Challenges of the Forensic Engineering Case Reporting Processes: Dubai Police Case Study.....	508
<i>Shahlaa Taha Alkhajeh, Fatma Sultan Al Shamsi, Qabas Ali Al-Jumaili, Zehra Canan Araci, Mohammad Ali Alqasim, Suleiman Mohammad Alzarooni</i>	
Machine Learning-Driven Predictive Analytics in Workload Distribution for Forensic Engineering Case Reporting Process: Dubai Police Case Study	514
<i>Qabas Ali Al-Jumaili, Fatma Sultan Al Shamsi, Shahlaa Taha Alkhajeh, Zehra Canan Araci, Mohammad Ali Alqasim, Suleiman Mohammad Alzarooni</i>	
An AI Approach to SME Inventory Management	520
<i>Afeef Ali-Mohammed, Patrick Hosein</i>	
Online Data Removal Services Adoption	527
<i>Samir Bouchalkha, Wafa El Garah, Natasha Veltri</i>	
Leveraging Industry 4.0 Technologies for Reverse Logistics Financial Performance: A Systematic Literature Review	533
<i>Salwa Al Balushi, Nasiru Zubairu</i>	
Leveraging Financial Technology for Financial Inclusion in the Egyptian Banking Sector	539
<i>Karim Eltomy, Mohamed Mamdouh Awny, Hebatalla Kaoud</i>	
Vibrational Signal Segmentation Method for Aluminum Drilling Monitoring	545
<i>Farah Balaha, Noha M Hassan, Mahmoud Awad, Zied Bahroun</i>	
Structured Optimal Policy for a Capacity Expansion Model Using Markov Decision Processes	550
<i>Jazeem Abduljaleel, Mohammad Aldurgam</i>	
Regression-Based Student Performance Prediction Using the Grades of English, Math, and Programming Courses	557
<i>Ali Alnoman</i>	
Priority-Based Heterogeneous Vehicle Routing Problem with Time Windows, Pickup and Delivery	563
<i>Moayad Tanash, Rami As'Ad</i>	
Enhancing Route Guidance Through Integrated V2X Communication and Transportation Systems: A Comprehensive Review	571
<i>Halah Alabdouli, Mohamed S. Hassan, Akmal Abdelfattah</i>	
Modeling and Simulation of Worker Profiles in Production Systems Based on Punctuality, Fatigue, and Experience	577
<i>Nourddine Bouaziz, Belgacem Bettayeb, M'Hammed Sahnoun, Adnan Yassine</i>	
Identification & Localization of Water Ingress Points Through Combination of Cable Diagnostic Test in Power Distribution MV Cable Network: A Case Study of Dubai Electricity & Water Authority	584
<i>Hassan Alhammadi, Ahmed Alzaabi, Mohamed Ahmed Alhammadi, Hend Adnan Ali, Sahabaz Khan, Abdulwahed Sultan Alolama</i>	
An IoT-Driven Framework for Blood Supply Chain Management: Addressing Demand-Supply Uncertainties in the UAE Case Study.....	591
<i>Sarah Kandil, Fatemeh Marzbani, Abdulrahim Shamayleh</i>	
An IoT-Enabled System for Optimizing Battery Utilization in Autonomous Electric Vehicles	598
<i>Sarah Kandil, Fatemeh Marzbani</i>	

Benchmarking Variational Autoencoders for Dimensionality Reduction and Application to Medical Heartbeats Data	605
<i>Irshad A Buchh</i>	
Enhancing PII Detection in Student Essays: A Longformer-Based Approach with Synthetic Data Augmentation	612
<i>Irshad A Buchh</i>	
Environmental Change Detection During Route-Clearance Operation Via Autonomous Vehicle (AV): A Proposed AI-Based Approach	619
<i>Rasha Al Bashaireh</i>	
Predicting Metro Ridership in Dubai: Analyzing Seasonal Trends with SARIMA, Holt-Winters, and LSTM	625
<i>Sara Abdulla Alblooshi, Malek Masmoudi, Ali Cheaitou, Khaled Hamad</i>	
A System Dynamics Approach for Assessing the Sustainability Impacts of Pink Fuels in Taxi Transportation in UAE	632
<i>Shaikha Alyassi, Malek Masmoudi, Atidel B. Hadj-Alouane</i>	
Sustainability Assessment of Roofing Technologies in the UAE Using MCDM Methods	639
<i>Maab Hezam, Malek Masmoudi, Sameh Alshihabi</i>	
Rotary Machines Fault Detection and Diagnosis Using Machine Learning Approaches	646
<i>Amal Saeed Al Mheiri, Waqar Ahmed Khan, Ridvan Aydin</i>	
Strategic Planning and Foresight in the Company: A Systematic Review, Period 2013–2023	652
<i>Richard Aguirre-Camarena</i>	
Identification of Suitable Maintenance Strategy for Medical Devices in UAE Healthcare Facilities	658
<i>Maytha Aljasmí, Suján Piya</i>	
Lean Construction in Action: Examining Practices in UAE Firms	665
<i>Mohammed Al-Ali, Hamdi Bashir</i>	
Deep Learning for Human Detection from Aerial Images in Search and Rescue Missions	671
<i>Ahmad A. Bany Abdelnabi, Bulent Soykan, Ghaith Rabadi</i>	
Robots Path Planning in RoboCup Competitions: A Literature Review	677
<i>Ahmad A. Bany Abdelnabi, Ghaith Rabadi</i>	
Novel Formulation for Congestion Management During Emergency Response	683
<i>Bayan Hamdan, Hamza Adeinat</i>	
Blockchain-Based Certification in the Meat Industry	688
<i>Nadeen Faraj, Khaled Salah, Maher Maalouf</i>	
A Regression-Based Approach to Explore Tourism and Hospitality Trends in the UAE Hotel Sector	695
<i>Nadeen Faraj, Alaa Alqaryuti, Ahmad Mayyas, Maher Maalouf</i>	
A Framework for the Implementation of a Project Management Office (PMO)	702
<i>Maged El Hawary, Mohamed El Attar, Rana Khallaf</i>	
Optimizing Municipal Solid Waste Collection Using Smart Bins - A Case Study in United Arab Emirates	707
<i>Alya Nasir Alnuaími, Ridvan Aydin, Sameh Al-Shihabi</i>	

Predicting CNT TFET Output Characteristics Using Deep Learning Techniques.....	713
<i>Salah Gamal, Ghada Bassioni, Ahmed Salah, David Yevick</i>	
LSTM-Based Models for Earthquake Forecasting on Three Boundaries of the Caribbean Plate.....	718
<i>Kizzi La Coa, Patrick Hosein</i>	
Performance Assessment of Thermally-Driven Adsorption Cooling Systems	724
<i>Shamma Alteneiji, Ibrahim I. El-Sharkawy, Salah Haridy, Ali Radwan, Essam M. Abo Zahhad</i>	
On the Determination of a Suitable Distance Metric for the Kappa Regression Algorithm.....	730
<i>Deepak Ramsubhag, Patrick Hosein</i>	
Development of a Predictive Model for Evaluating the Performance of Low-Concentrator Photovoltaic Thermal Module Using Design of Experiments	736
<i>Ali Radwan, Ibrahim I. El-Sharkawy, Salah Haridy, Ahmed Galal Abokhalil, Bashria Yousef, Essam M. Abo Zahhad</i>	
Enhancing Waste Management and Circular Economy Practices in Higher Education Institutions in UAE: A Study on Current Policies and Strategic Framework	742
<i>Muna Ali, Dua Weraikat, Sharafuddin Khan</i>	
Converting BPMN Diagrams into Solidity Code: A Comprehensive New Approach and Algorithm.....	750
<i>Aicha El Abidi, Hamid Elghazi</i>	
Kappa Encoding Using the Huber Loss Function	756
<i>Deepak Ramsubhag, Patrick Hosein</i>	
Recommender Systems Using the Kappa Algorithm	762
<i>Myah Small, Deepak Ramsubhag, Kevin Baboolal, Patrick Hosein</i>	
Global Decline in Fertility Rates: Trends, Influencing Factors, and Future Projections	768
<i>Chaitanya Boodoo, Patrick Hosein</i>	
Enhancing ICD-9 Code Prediction with BERT: A Multi-Label Classification Approach Using MIMIC-III Clinical Data	774
<i>Irshad A Buchh</i>	
Leveraging Machine Learning for Sustainable Microprocessor Utilization.....	779
<i>Balkis Fadl, Varkoor Vikram, Ahli Abdulrahman, Madi Mervat</i>	
Review of Hospital Outpatient No-Show Explainable Prediction Using Machine Learning	785
<i>Khaled Toffaha, Mecit Can Emre Simsekler, Mohammed Omar</i>	
A Path Towards Human-AI Decision-Making in Sepsis Care Through Human-Centered Systems- Based Design Approach	791
<i>Firda Rahmadani, Mecit Can Emre Simsekler</i>	
Construction Material Selection for Marine Water Quality: A Framework and Goal Programming Model	797
<i>Norhan Ahmed, Fatin Samara</i>	
Technologies in Construction Industry: A Study on the Challenges of Innovative Technologies Adoption in the GCC.....	805
<i>Sabreen Dar Amer, Malick Ndiaye</i>	
Perception of the Use of Recycled Construction Waste in the UAE's Construction Industry	811
<i>Junu Jahana C, Tania M Joseph, Ghassan Abu-Lebdeh</i>	

Enhanced Deep Reinforcement Learning for Selective Maintenance with Learning Effects.....	817
<i>Fatima Ezzahra Achamrah, Ali Attajer, Anass Bouchnita, Issam Krimi</i>	

Author Index