

Lecture Notes in Networks and Systems 850

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Pengcheng Liu *Editors*

Intelligent Manufacturing and Mechatronics


Selected Articles from iM3F 2023,
07–08 August, Pekan, Malaysia

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Lecture Notes in Networks and Systems

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Preface

We are pleased to present the proceedings of the fourth edition forum of The Innovative Manufacturing, Mechatronics and Materials Forum 2023 (iM3F 2023), organized by Universiti Malaysia Pahang Al-Sultan Abdullah through its Faculty of Manufacturing and Mechatronic Engineering Technology. The conference took place on August 7th and 8th, 2023, with a primary focus on manufacturing, mechatronics, and materials.

During iM3F 2023, we received a total of 70 submissions for mechatronics and partially manufacturing tracks, which underwent a rigorous single-blind review process. Our dedicated reviewers recommended 50 papers for publication in this Springer Proceedings of Materials. We extend our sincere gratitude to all the authors who contributed their valuable research to this volume. The papers included in this proceeding have undergone thorough evaluation by our esteemed technical review committee, comprising experts in the fields of materials and manufacturing engineering.

The conference provided a platform for the exchange of cutting-edge insights, highlighted by keynote speeches from distinguished speakers, including Assoc. Prof. Ir. Dr. Haji Nik Mohd Zuki Nik Mohamed (Universiti Malaysia Pahang Al-Sultan Abdullah, Malaysia), Prof. Eng Hwa Yap (Xi'an Jiaotong-Liverpool University, China), and Prof. Gian Antonio Susto (Universita Degli Studi, Italy).

In closing, we hope that readers will find this volume informative and valuable. We would like to express our appreciation to Springer Proceedings in Materials for their support in publishing this volume. Additionally, we extend our thanks to

the conference organization staff and the dedicated members of the International Program Committees for their tireless efforts in making iM3F 2023 a success.

Pekan, Pahang, Malaysia

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Ismail Mohd Khairuddin
Mohd Azraai Mohd Razman
Sarah 'Atifah Saruchi
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Contents

Diagnosis of COVID-19 on Chest X-ray (CXR) Images Using CNN with Transfer Learning and Integrated Stacking Ensemble Learning	1
Wai Sing Low, Li Sze Chow, Mahmud Iwan Solihin, and Dini Oktarina Dwi Handayani	
Sensor Fusion-Based Target Prediction System for Virtual Testing of Automated Driving System	13
Ng Yuan Weun, Lee Kah Onn, Cheok Jun Hong, and Vimal Rau Aparow	
Effect of Crack Length, Depth, and Location on Natural Frequencies of Railway Track	31
Aidie Zeid Muhammad, Mohd Arif Mat Norman, Mazian Mohammad, and Azmale Amzah	
Imputation Analysis of Time-Series Data Using a Random Forest Algorithm	51
Nur Najmiyah Jaafar, Muhammad Nur Ajmal Rosdi, Khairur Rijal Jamaludin, Faizir Ramlie, and Habibah Abdul Talib	
Harnessing Machine Learning, Blockchain, and Digital Twin Technology for Advanced Robotics in Manufacturing: Challenges and Future Directions	61
Muhamad Ridzuan Radin Muhamad Amin, Abdul Nasir Abd. Ghafar, Norasilah Karumdin, Ahmad Noor Syukri Zainal Abidin, and Muhammad Nur Farhan Saniman	
Humanizing Humanoids: An Extensive Review on the Potential of Prosthetic Robotic Arm with Integrated Monitoring System for Disabled People	71
Mohd Hanafi Muhammad Sidik, Abdul Nasir Abd. Ghafar, Norasilah Karumdin, Nurul Najwa Ruzlan, and Waheb Abdul Jabbar	

Intelligent Machining Systems for Robotic End-Effectors: State-of-the-Art and Toward Future Directions	83
Abdul Nasir Abd. Ghafar, Devin Babu, Mohd Hanafi Muhammad Sidik, Muhammad Hisyam Rosle, and Nurul Najwa Ruzlan	
Artificial Neural Network Analysis in Road Crash Data: A Review on Its Potential Application in Autonomous Vehicles	95
Syukran Hakim Norazman, Mohd Amir Shahlan Mohd Aspar, Abdul Nasir Abd. Ghafar, Norasilah Karumdin, and Ahmad Noor Syukri Zainal Abidin	
The Role and Impact of Robotics Integration in Precision Machining and Manufacturing: A Comprehensive Review	105
Muhammad Nur Farhan Saniman, Muhamad Ridzuan Radin Muhamad Amin, Abdul Nasir Abd. Ghafar, Devin Babu, and Norasilah Karumdin	
Nanomaterial in Robotics: Bridging the Gap Between Current Applications and Future Possibilities	115
Mohd Amir Shahlan Mohd Aspar, Syukran Hakim Norazman, Abdul Nasir Abd. Ghafar, Norasilah Karumdin, and Azizi Miskon	
Optimized-ELM Based on Geometric Mean Optimizer for Bearing Fault Diagnosis	125
M. Firdaus Isham, M. S. R. Saufi, N. F. Waziralilah, M. H. Ab. Talib, M. D. A. Hasan, and W. A. A. Saad	
Detection of Fault Features in Remanufacturing of Automotive Components Using Image Processing and Computer Vision Techniques	141
Ibrahim Abdalla, Novita Sakundarini, Christina Chin May May, and Tissa Chandesa	
The Significance of the Thoracic Spinal Multiple Segments During Different Pick-Object Approaches	159
Wan Aliff Abdul Saad, Azuwan Mat Dzahir, Aizreena Azaman, Zair Asrar Ahmad, Mat Hussin Ab. Talib, Shaharil Mad Saad, Muhammad Danial Abu Hasan, Muhammad Firdaus Isham, Mohd Syahril Ramadhan Saufi, and Muhammad Asyraf Muhammad Rizal	
Vibration Suppression of the Flexible Beam Structure Using PID Controller Tuned by Advanced Firefly Algorithm	169
Mat Hussin Ab Talib, Muhammad Izzaz Syafiq Ismail, Hanim Mohd Yatim, Muhamad Sukri Hadi, Mohd Syahril Ramadhan Mohd Saufi, Wan Aliff Abdul Saad, Muhammad Danial Abu Hasan, and Muhammad Firdaus Isham	

Bearing Fault Diagnosis Based on Prominence Peak-Picking IMFs Selection and PSO-SSAE 181
 Mohd Syahril Ramadhan Mohd Saufi, Mohd Salman Leong, Lim Meng Hee, Muhammad Firdaus Isham, Muhammad Danial Abu Hassan, Mat Hussin Ab Talib, Mohd Zarhamdy Md Zain, and Mohd Haffizzi Md Idris

Investigation of Wheel Robot Grouser Width Parameter Effect on Robot Mobility in Soft Sand Terrain Using Sand Test Bed 199
 Ikmanizardi Basri, Intan Nur Aqiella Che Aziz, Ahmad Najmuddin Ibrahim, and Yasuhiro Fukuoka

Automated Harmonic Signal Removal-Based Image Feature Extraction Technique: A Comparative Study Using Online Databases 209
 Muhammad Danial Abu Hasan, Syahril Ramadhan Saufi, M. Firdaus Isham, Shaharil Mad Saad, W. Aliff A. Saad, Zair Asrar Bin Ahmad, Mohd Salman Leong, Mat Hussin Ab Talib, Lim Meng Hee, and M. Haffizzi Md. Idris

Human Mental Stage Interpretation Based on the Analysis of Electroencephalogram (EEG) Signals 225
 Norizam Sulaiman, Mahfuzah Mustafa, Fahmi Samsuri, Siti Armiza Mohd Aris, and Nik Izzat Amirul Mohd Zailani

Modeling Bearing Temperature of DC Machine in No-Load Condition Using Transfer Function 239
 M. S. Mat Jahak and M. A. H. Rasid

Evaluation of Transfer Learning Pipeline for ADHD Classification via fMRI Images 251
 Nur Atiqah Kamal, Ahmad Fakhri Ab. Nasir, Anwar P. P. Abdul Majeed, M. Zulfahmi Toh, and Ismail Mohd Khairuddin

Recent Studies of Human Limbs Rehabilitation Using Mechanomyography Signal: A Survey 263
 Muhamad Aliff Imran Daud, Asmarani Ahmad Puzi, Shahrul Na'im Sidek, Salmah Anim Abu Hassan, Ahmad Anwar Zainuddin, Ismail Mohd Khairuddin, and Mohd Azri Abd Mutalib

Ride Comfort Assessment of a Sitting Pregnant Women During Cornering: Autonomous Vehicle Simulation Maneuvering Analysis 275
 Nurul Afiqah Zainal, Muhammad Aizzat Zakaria, K. Baarath, Mohamad Heerwan Peeie, and M. Izhar Ishak

3D LiDAR Vehicle Perception and Classification Using 3D Machine Learning Algorithm 291
 Ericsson Yong, Muhammad Aizzat Zakaria, Mohamad Heerwan Peeie, and M. Izhar Ishak

PID Controller Optimized by Bird Mating Optimizer for Vibration Control of Horizontal Flexible Plate 303
 Muhamad Sukri Hadi, Ahmad Fikri Hakimi Mohd Lotpi, Hanim Mohd Yatim, Mat Hussin Ab. Talib, and Intan Zaurah Mat Darus

Teaching Learning-Based Optimization for Solving CEC2014 Test Suite: A Comparative Study 315
 Zulkifli Musa, Zuwairie Ibrahim, and Mohd Ibrahim Shapiai

Design and Analysis of Vehicle Frontal Protection Mechanism 327
 Jithin Menon Jyotheesh, Amar Ridzuan Abd Hamid, Cik Suhana Hassan, Eryana Eiyda Hussien, and Salihah Suroi

Application of NBM and WERA Assessment Methods in Work Posture Analysis of Car Seat Assembly Operators in the Automotive Industry Final Line 339
 N. Nelfiyanti and Nik Mohd Zuki Nik Mohamed

Product Development of Electrical Appliance in Injection Molding Process with the Application of Computer-Aided Modeling (CAM) and Computer-Aided Engineering (CAE) 351
 Wahaizad Safiei and Mohamad Farid Mohamad Sharif

Experimental Analysis on Retention Forces of Cantilever Hook Snap-Fits 361
 Siti Sarah Abdul Manan and Muhammed Nafis Osman Zahid

The Prevalence of Musculoskeletal Disorders Symptoms and Ergonomics Risk Amongst Engineering, Science, and Technology Students 377
 Fazilah Abdul Aziz and Nur Amirah Abdul Hafidz

Improving Machining Performance Through Cutting Tool Surface Modifications: A Specialized Review 389
 Mohd Nizar Mhd Razali, Nurul Hasya Md Kamil, Nurul Nadia Nor Hamran, Amirul Hakim Sufian, and Teo Chong Yaw

Exploring Composite Manufacturing Processes: Current Applications and Sustainability Improvement 399
 Mohd Nizar Mhd Razali, Ainur Munira Rosli, Nurul Hasya Md Kamil, Amirul Hakim Sufian, and Mohamad Rusydi Mohamad Yasin

Advancements and Challenges in 3D Printing for Medical Applications: A Focus Review on Polyethylene Composites and Parameter Optimization 409
 Ahmad Shahir Jamaludin, Ainur Munira Rosli,
 Nurul Nadia Nor Hamran, Mohd Zairulnizam bin Mohd Zawawi,
 and Mohd Amran Md Ali

Solving Makespan and Energy Utilization in Hybrid Flow Shop Scheduling Problem Using Artificial Bee Colony (ABC) 419
 Muhammad Ammar Nik Mutasim, Alif Fakrurrazi Adham Farshid,
 and Mohd Fadzil Faisae Ab. Rashid

Effective Knowledge Creation for Promoting Innovative Capacity in SME Malaysia Through University-SME-Collaboration (UEC): The Interaction Model 431
 Kartina Johan, Faiz Mohd Turan, and Sheikh Muhammad Hafiz Fahami

Enhancing Shoe Rack Ergonomics: A Comprehensive Analysis 441
 Muhammed Nafis Osman Zahid and Nurul Hamidah Abd Aziz

A Feature-Based Transfer Learning Method for Surface Defect Detection in Smart Manufacturing 455
 Muhammad Ateeq, Anwar P. P. Abdul Majeed, Hadyan Hafizh,
 Mohd Azraai Mohd Razman, Ismail Mohd Khairuddin,
 and Nurul Hazlina Noordin

Simulation on Effect of Ultrasonic Shot Peening Velocity on VMS of Aluminum A380 Die-Casting Alloy 463
 Sean Ruben and Mohamad Rusydi Mohamad Yasin

Economic Loss Risk-Based Reliability and Maintenance Assessment for High-Pressure Methanol Plant 473
 Mohd Aizad Ahmad and Zulkiffi Abdul Rashid

Numerical Analysis of Rotating Zigzag Bed Separator in Cryogenic Condition for Removing Carbon Dioxide 485
 Deevikthiran Jeevaraj, Mohd Fadzil Ali Ahmad, and Asyiqin Imran

Cooling Energy Harvesting from Liquefied Natural Gas Vaporizer Using Computational Fluid Dynamics (CFD) Technique 495
 R. N. Syafiq, Mohd Fadzil Ali Ahmad, and Hedzrul Bin Mohd Puad

Numerical Simulation on the Effect of Blade Design Towards Pressure and Velocity in Pipeline 505
 Ibnu Kasir Ahmad Nadzri, Mohd Fadzil Ali Ahmad, and A. Asniza

Improving Production Line Performance Through VSM and Simulation in Electronics Manufacturing Industry 517
 Chin Chun Yong and Noraini Mohd Razali

Enhancing WEDM Efficiency by Teaching–Learning-Based Optimization for Machining Process Parameter Optimization 527
J. B. Saedon, M. F. Othman, N. H. Mohamad Nor,
M. S. Mohd Syawal, M. S. Meon, and Muhammad Razin Raghazli

Development of Joining Process Ontology for Ensuring Data Consistency in Knowledge Management Systems 537
Muhammad Alif Hafizan Bin Mohd Zaini and Munira Binti Mohd Ali

Brain Lesion Image Segmentation Using Modified U-NET Architecture 549
Xin Yin Lee, Mohd Jamil Mohamed Mokhtarudin, and Ramli Junid

Tuning of FOPID Controller for Robotic Manipulator Using Genetic and Multiple-Objective Genetic Algorithms 557
Nurul Faqihah Hambali, Nor Mohd Haziq Norsahperi,
Mas Athirah Mohd Hisban, Mohd Khair Hassan,
Wan Zuha Wan Hasan, Luthffi Idzhar Ismail, and Hafiz Rashidi Ramli

Steering Torque Estimation for Distributive Steering System in Electric Vehicle Steer by Wire System 575
S. M. H. Fahami, Faiz Mohd Turan, and M. A. Zakaria

Classification of Distracted Male Driver Based on Driving Performance Indicator (DPI) 587
Shatiskumar Ganasan and Norazlianie Sazali

Detection of Potholes Using Image Processing Method 597
Muhammad Zulkifli Bin Abdullah Norhairi and Norazlianie Sazali