

International Journal of Mechanical Engineering and Robotics Research

CONTENTS

Volume 13, Number 3, 2024

Material Selection for PMEDM Process	315
<i>Nguyen Van Thien and Nguyen Hong Son*</i>	
Skillful Manipulation of Electronic Musical-Note-Type Instrument Using Industrial Humanoid Robot.....	325
<i>Mikio Ozawa*, Daiki Kato, Hiroaki Hanai, Toshiki Hirogaki, and Eiichi Aoyama</i>	
Experimental Investigation of the Effect of Die Shape on Mechanical Properties of Aluminum Alloy by Hot Direct Extrusion Process	331
<i>Zina Saad Abdul Jabbar* and Mohammed Najeeb Abdullah</i>	
The Use of SAW, RAM and PIV Decision Methods in Determining the Optimal Choice of Materials for the Manufacture of Screw Gearbox Acceleration Boxes	338
<i>Do Duc Trung*, Nguyen Thi Phuong Giang, Duong Van Duc, Tran Van Dua, and Hoang Xuan Thinh</i>	
Generative Design of Progressive Die.....	348
<i>Mahendhar Kumar, Akash V, Akash S, and Sivarajan S*</i>	
Enhancing Understanding of Changes in Solution Rankings with Variations in User Coefficients in AROMAN Method.....	354
<i>Hoang Xuan Thinh and Tran Van Dua*</i>	
Design and Development of Portable Wrist Rehabilitation Device for Post-Stroke Subjects: A Pilot Study....	362
<i>Porkodi Jayavel, Varshini Karthik, and Ashokkumar Devaraj*</i>	
Developing Hull Design Based on the Hydrodynamic Criteria: An Application for Leisure Boats as a Tourist Facility.....	368
<i>Ahmad Ramadhan Yusfianda, Hananta Diatmaja, Aditya Rio Prabowo*, Tuswan Tuswan*, Teguh Muttaqie, Nurul Muhyat, Joung Hyung Cho, Wibowo Wibowo, and Emel Mixsa Muslimy</i>	
Prototype Disaster Response Robot with Variable Size and Rigidity	386
<i>Kodai Ochi and Mitsuharu Matsumoto*</i>	
Physical Modeling of a 4-DOF Manipulator for Learning Purposes Using CAD and GUI.....	392
<i>Emmanuel Agung Nugroho*, Joga Dharma Setiawan, and M. Munadi</i>	
Optimal Design of Catenoidal Sonotrode for Ultrasonic Welding Process.....	402
<i>Abdulhaqq A. Hamid* and Mohammed Najeeb Abdullah</i>	
Development of Obstacle Avoidance Control System Using Modified Attractive Equations of Gaussian Potential Function.....	408
<i>Kanapat Saenrit and Danai Phaoharuhansa*</i>	