

International Journal of Mechanical Engineering and Robotics Research

CONTENTS

Volume 13, Number 4, 2024

Development of an EOD Robot for the Arequipa Explosive Disposal Unit	414
<i>Jesus Mamani G., Milton Ccallata C., Erick Valdeiglesias Flores*, David Meneses, Mario A. Betancur, Yuri L. Silva, and Jorge L. Apaza</i>	
A Comparative Analysis of Data Transformation Methods for Constructing a Surface Roughness Model in Turning Processes.....	428
<i>Hoang Xuan Thinh*, Nguyen Truong Giang, and Vu Van Khiem</i>	
Design and Implementation of an Autonomous Mobile Robot for Slug Detection and Safe Collection to Prevent Agricultural Damage	435
<i>Nabil Miri, Jana Marzouk, Abdulrahim El Mohamad, Yahya Aljamal, and Hassan Hariri*</i>	
Research on the Mechanism of Parallel Structure with Circular Guide	442
<i>Dinh Tung Vo*, Kheylo S. V., Rashoyan G. V., Aleshin A. K., and Kondratyev I. M.</i>	
Designing, Constructing and Performance of Sifter Machine with Double Filter for Corn Rice	448
<i>Yohanes Benediktus Yokasing*, Amiruddin Abdullah, Priska Gardeni Nahak, and Ricard Fa'ot</i>	
Parameter Estimate PID Controller for Multi-position Control of Servo Drive System with Fuzzy Self-Tuning	456
<i>Pantawong Visavapiwong*, Sasithorn Chookaew, and Suppachai Howimanporn</i>	
Flange Leak Investigation on Kettle Heat Exchanger Operating at Low-Temperature Condition	463
<i>Andi D. Prasetyo* and Fauzan Fitra</i>	
Aerodynamic Investigation of Shrouded Rotors with Dual Exit Channels	470
<i>Abdallah Dayhoun*, Alejandro Ramirez-Serrano, and Robert Martinuzzi</i>	
Conceptual Design of a Trash Collecting Machine for Highways in Arequipa, Peru	477
<i>Trunks Giorgio Vásquez Llave*, Luis Angel Luque Huaman, Boris Percy Ramos Torres, José Canazas Rodríguez, and Yuri Lester Silva Vidal</i>	
Development of an Automatic Measurement and Classification System for a Robotic Arm Using Machine Vision	489
<i>Ngoc Vu Ngo* and Van Cuong Duong</i>	