

Table of Contents

Preface

| | |
|---|-----|
| Automatic Predicting Torsional Vibrations on Main Propulsion Plants, Installed Two-Stroke Diesel Engines: Algorithms and Software D.D. Luu, C.D. Hanh and L.C. Nho | 1 |
| Study on Design and Combined Adaptive Control for a Remotely Operated Vehicle (VIAM-ROV900) N.H. Tran and T.N. Nguyen | 13 |
| Apply a Fuzzy Algorithm to Control an Active Suspension in a Quarter Car by Matlab's Simulink N.C. Hung, N.T.B. Nhung, L.T.Y. Vu, V.Q. Khai, T.A. Son and T.Q. Thanh | 23 |
| Design and Control of Automated Guided Vehicle Q.H. Pham, N.H. Tran and T.P. Ton | 33 |
| Design and Control of Agriculture Robot Integrated a Delta Manipulator T.C. Le, N.H. Tran and T.P. Ton | 43 |
| A Genetic Algorithm Application in Planning Path Using B-Spline Model for Autonomous Underwater Vehicle (AUV) N.H. Tran, A.D. Nguyen and T.N. Nguyen | 54 |
| A Research of Design the Control System of 3D Printer by Fused Deposition Modeling (FDM) Technology T.N. Nguyen, T. Vo, M.T. Nguyen and T.N. Thanh | 65 |
| A Research of Design Controller of 3D Printer DLP Technology H.B. Nguyen, T. Vo, T.K. Nguyen and D.L. Hoang | 71 |
| A Design of Plastic-Bamboo Fiber Extruder Machine for 3D Printer S. Antonov, K.D. Le, N.H. Hiep, Q.H.N. Hoang and Q.H. Hai | 79 |
| Using Digital Image Correlation Method to Evaluate Fracture Parameters of Lead-Free Solder Q.B. Tao, L. Benabou, T.A. Nguyen Van and N.A. Nguyen Thi | 86 |
| Design and Manufacturing of a Non-Standard Chain Parts for a Chain Conveyor for a Harvest Shallot: A Case Study C.H. Phi, N.T. Van and L.H. Ky | 91 |
| Effect of Minimum Quantity Lubrication to Prediction of Cutting Temperature Distribution in Turning Material AISI-1045 T.T. Quyet, P.T. Nghia, N.T. Toan, T.D. Trong, L.H. Sam and T.Q. Thanh | 97 |
| Redesigning Finished Product Warehouse Layout - A Case Study M.H. Phan, N.H.Q. Thinh, T.T. Kieu and L.Y. Thai | 103 |
| Development of the Design and Fabrication System for Planar Cam Mechanisms P.H. Hoang and L.Q. Ngoc | 114 |
| The Application of CEL Technique to Simulate the Behavior of an Underwater Explosion Bubble in the Vicinity of a Rigid Wall A.T. Nguyen | 126 |