

CONTENTS

- [5](#) Adapting Petri Nets to DES: Stochastic Modelling of Manufacturing Systems
Simon, E.; Oyekan, J.; Hutabarat, W.; Tiwari, A. & Turner, C. J.
- [18](#) Modelling and Simulation of a Novel Modular Fixture for a Flexible Manufacturing System
Matejic, M.; Tadic, B.; Lazarevic, M.; Mistic, M. & Vukelic, D.
- [30](#) Using 4-Layer Architecture to Simulate Product and Information Flows in Manufacturing Systems
Saez-Mas, A.; Garcia-Sabater, J. P. & Morant-Llorca, J.
- [42](#) Optimization of Inventory Routing Problem to Minimize Carbon Dioxide Emission
Balamurugan, T.; Karunamoorthy, L.; Arunkumar, N. & Santhosh, D.
- [55](#) Mapping SPEM Process Specifications to Activity Cycle Diagrams
Pagliares, R. M. & Hirata, C. M.
- [69](#) Analysis on the Pose and Dynamic Response of Hydraulic Support under Dual Impact Loads
Zeng, X. T.; Meng, G. Y. & Zhou, J. H.
- [81](#) Contact Analysis of Chain Drive in Scraper Conveyor Based on Dynamic Meshing Properties
Jiang, S. B.; Zeng, Q. L.; Wang, G.; Gao, K. D.; Wang, Q. Y. & Hidenori, K.
- [92](#) Topology Optimization Based Design of Lightweight and Low Vibration Gear Bodies
Ramadani, R.; Belsak, A.; Kegl, M.; Predan, J. & Pehan, S.
- [105](#) Design of Large-Scale Logistics Systems Using Computer Simulation Hierarchic Structure
Straka, M.; Lenort, R.; Khouri, S. & Feliks, J.
- [119](#) Rapid Evaluation of Maintenance Process Using Statistical Process Control and Simulation
Petrovic, S.; Milosavljevic, P. & Lozanovic Sajic, J.
- [133](#) Modelling and Optimization for a Selective Assembly Process of Parts with Non-Normal Distribution
Wang, W. M.; Li, D. B.; He, F. & Tong, Y. F.
- [147](#) Optimization Algorithm Simulation for Dual-Resource Constrained Job-Shop Scheduling
Zhong, Q.; Yang, H. & Tang, T.
- [159](#) Application and Dynamic Simulation of Improved Genetic Algorithm in Production Workshop Scheduling
Jiang, P.; Ding, J. L. & Guo, Y.
- [170](#) Parameter Analysis and Optimization of the Rotating Arc NG-GMAW Welding Process
Duan, B.; Wang, J. C.; Lu, Z. H.; Zhang, G. X. & Zhang, C. H.
- [180](#) Optimal Configuration for Workshop Manufacturing System under Dual Resource Constraints
Wang, Y.; Cen, H. J. & Yang, O.