

SUBJECT INDEX

Volume 22, Number 1

Authors	Topic
Muhammed Ucar and Robin G. Qiu	E-Maintenance in Support of E-Automated Manufacturing Systems
Kevin D. Creehan	Establishing Optimal Maintenance Practices in a Traditional Manufacturing Environment
Jin-Shyan Lee, Meng-Chu Zhou and Pau-Lo Hsu	Statechart Modeling and Web-Based Simulation of Hybrid Dynamic Systems for e-Automation
Hsin-Pin Fu, Chyou-Huey Chiou, Jia-Ruey Ou and Yichen Lin	Performance Evaluation on Manufacturing Automation Promotion Plan in Taiwan
Kuang-Chyi Lee and Chien-Chang Lin	A Vision-Measuring Method For An Imperfect Circle
Yi-Hung Liu, Han-Pang Huang and Yu-Sheng Lin	Attribute Selection for the Scheduling of Flexible Manufacturing Systems Based on Fuzzy Set-Theoretic Approach and Genetic Algorithm
Jihong Yan, Jay Lee and Yi-Cheng Pan	Introduction Watchdog Prognostics Agent and Its Application to Elevator Hoistway Performance Assessment
Albert Wen-Long Yao, Hsin-Te Liao, Shu-Chuan Jessica Chi and Shih-Sen Peng	A Petri Net Based Offline Simulation and Online Diagnostic Platform for Manufacturing System
Cho-Pei Jiang, Jeng-Ywan Jeng, You-Min Huang, Ming-Jong Tsai	Development of Masked Photo-polymerization Rapid Prototyping System using Liquid Crystal Display Panel
Yuan-Chen Yu, Kun-Peng Liu and Wei-Hao Chen	A Parametric Manufacturing Knowledge Representation Model for Agile Manufacturing Execution Control

Volume 22, Number 2

Authors	Topic
Fang-Mei Tseng	Forecasting the Customer Market for Internet Telephony in Taiwan
Chung-Tsen Tsao	Assessing the Probabilistic Fuzzy Net Present Value for A Capital Investment Choice Using Fuzzy Arithmetic
W. L. Pearn and Chien-Wei Wu	An Effective Modern Approach for Measuring High-Tech Product Manufacturing Process Quality
Yuh-Chuan Shih, Wen-Lin Chen and Wen-Shu Huang	The Effect of Splints on Peak Strength, Sustaining Time, and Total Force Generation at Different Pinching Types
Ming-Kuen Chen and Jong-Chin Shen	The Study in Promotion Strategy for Electronic Business of Taiwan Information Technology Industry
Chen-Mei Fuong Wang, Chiu-Chi Wei and Yu-Te. Lin	Applying Quality Achieving Rate to Evaluate and Control Project Quality
Chih-Chou Chiu, Cheng-Chi Tien and Yu-Chao Chou	Construction of Clustering and Classification Models by Integrating Fuzzy Art, Cart and Neural Network Approaches

Volume 22, Number 3

Authors	Topic
Yuan-Ting Cheng and Taho Yang	Simulation of Design and Analysis of a Container Reverse-Logistics System
Ming-Jong Yao	On Determining the Optimal Maintenance Frequency for a Family of Machines
Tzu-Tsung Wong	A Bayesian Approach Employing Generalized Dirichlet Priors in Predicting Microchip Yields
Ming-Hsien Yang, Chien-Chung Lo, Hsin-Min Chen and Hau-Lieng Huang	Hybrid Genetic Algorithms for Minimizing the Maximum Completion Time for the Wafer Probing Scheduling Problem
Ta-Chung Chu, Kuo-Shi Huang and Han-Chung Lee	Developing Fuzzy MCDM Model Via a Benefit/Cost Tradeoff Concept
Tien-Lung Sun and Tsung-Han Chiang	Supporting Customer-Company Interaction in Product Customization Using a Web-Based Collaborative VR Environment
Chih-Ming Liu, Hen-Shen Hsu, Shen-Tsu Wang and Hai-Kun Lee	A Performance Evaluation Model Based on AHP and DEA
Jong-Mau Yeh, Wurong Shih and Bore Hon Lin	Prototyping a Negotiation Support System for New Product Development
Hei Chia Wang and Yi-Sen Chen	Mathematical Model with Simulation to Find the Optimal Batch Size for a Supply Chain System

Volume 22, Number 4

Authors	Topic
Wei-Jung Shiang and Ming-Ying Ho	An Interactive Tool Based on Xml Technology for Data Exchange between Heterogeneous ERP Systems
James T. Lin and Juin-Han Chen	Enhance Order Promising with ATP Allocation Planning Considering Material and Capacity Constraints
Juite Wang and Y.-C Hwang	A Study of The Impact of Activity Overlapping on Development Lead-Time in Design Chain
Shyh-Huei Chen, Chih-Kai Chang and Che-Liang Kuo	Optimal Scheduling in Color Filter Manufacturing
Yuan-Jye Tseng, Huei-Ling Tzeng and Yu-Hua Lin	Collaborative Design Model Planning with a Design Module Formation and Design Task Assignment Model
Shu-Yi Liaw and Yu-Fang Wang	Using Technology and Management Patterns Approach to Examine the Business Performance of Taiwan's Logistic Firms
Ying-Chin Ho and Chi-Fong Liu	A Design Methodology for Converting a Regular Warehouse into a Zone-Picking Warehouse
Chwen-Tzeng Su, Jui-Tsung Wong and Shang-Chun Tsou	A Process Parameters Determination Model by Integrating Artificial Neural Network and Ant Colony Optimization

Volume 22, Number 5

Authors	Topic
Liang-Yuh Ouyang, Bor-Ren Chuang and Yu-Jen Lin	Periodic Review Inventory Models with Controllable Lead Time and Lost Sales Rate Reduction
Hui-Ming Wee and Shen-Lian Chung	An Optimal Production Model for Disposing Excessive Deteriorating Stocks
Min-yang Wang, Hui-Ming Kuo and Sheue-Ling Hwang	A Study of B2C Consumer Behavior Model
Fuchiao Chyr, Yu-chung Fu and Huei Han Jhuang	The Effects of Non-Stationary Setup Cost Reduction
Yu-Hung Chien and Shey-Huei Sheu	Optimal Warranty Period and Optimal Replacement Age Out-of-Warranty
Kai Way Li and Chin Jung Chen	Measurement of Floor Slipperiness using Footwear Pads with Various Tread Groove Width Design
Yung-Ching Ho, Hsin-Pin Fu and Pei-Hsiang Chien	Analysis of Factors Affecting Adoption of the E-Marketplace in Taiwan
Yi-Shan Chen, Wei-Hua Andrew Wang, Tam Chan and Ya-Ting Liang	Developing a Quantitative Model to Evaluate and Compare the Performance of Hospital Medical Technologies in Taiwan

Volume 22, Number 6

Authors	Topic
Lu-Sin Liu	Enhancing Robot Positioning Accuracy Using Optimal Configuration Data
Hui-Ming Wee, Jonas C.P. Yu and S.T. Law	Two-Warehouse Inventory Model with Partial Backordering and Weibull Distribution Deterioration under Inflation
Pei-Chann Chang, Jih-Chang Hsieh	An Investigation of Paper Cutting Problem by Dynamic Programming and Heuristic Approaches
Jia-Yen Huang and Ming-Jong Yao	On Optimally Coordinating Inventory for a Deteriorating Item in a Supply Chain System with a Single Vendor and Multiple Buyers
Chang-Chun Tsai and ChengChe Chen	An Alternative P-Value Test Approach to Tests of Mean for Normal Population with Fuzzy Data
Jinn-Yi Yeh and J. C. Fu	Double Simulated Annealing for Functional MRI Analysis
Jonas C.P. Yu, H. M. Wee and J. M. Chen	Optimal Ordering Policy for a Deteriorating Item with Imperfect Quality and Partial Backordering
Ruey-Chyn Tsaur	Further Examination to Fuzzy Exponential Smoothing Model