

## Guest Editorial Preface

# Special Issue on Towards the Intelligent Supply Chain Management

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This special issue entitled “Towards the Intelligent Supply Chain Management” is made from papers from the International Conference on Mechatronics and Intelligent Robotics (ICMIR2018) held in Kunming, China, during May 19-20, 2018. This issue consists of six of those papers.

The first article entitled “Study of the dynamic characteristics of BWE based on products, difference with a two-stage supply chain” by Weiya Di, Junhai Ma, Xueli Zhan. They have presented the supply chain that consists of one supplier and two retailers and adopted a Cournot-Bertrand mixed duopoly model that successfully combines a nonlinear complexity dynamic system with bullwhip effect. Di et al. have presented their practical observations on the behavioral science management in this article.

The second article entitled “Structuring Chinese Business Credit Management System and Relevant Characteristic Variables Based on the Tree Model” by Deshun Xu, Junhai Ma, Junjing Xu. As there is a huge trade deficiency in the Chinese credit market, it is important to develop a suitable business credit system. They have proposed a tree model to analyse the structure and content of the business credit system and a real case study of the Ningxia Hui Autonomous Region and verified the evaluation model in 2015.

The third article entitled “Research on the Production Scheduling Method of a Semiconductor Packaging Test Based with the Clustering Method” by Zhonghua Han, Shiyao Wang and Bin Duan. In this article, the scheduling of modern industrial production is studied. They have used an AP clustering algorithm to optimize the matching relationship between job and resource. The simulation shows that the method can be packaged production scheduling to provide a viable, effective way of support.

The fourth paper entitled “Performance Evaluation of Food Cold Chain Logistics Enterprise Based on the AHP and Entropy,” by Yazhou Xiong et al. They have evaluated the performance of food cold chain logistics enterprises, based on the Analytic Hierarchy Process (AHP) and the entropy method. In this article, an evaluation system of the food cold chain logistics enterprise is established with the AHP method and entropy method, and the authors have also given the results of an empirical analysis.

The fifth article entitled “Research on Hotel Customer Relationship Management System Based on the Classification Algorithm” by Wen Wan, presents that classification algorithm is applied in customer relationship management system. The classification algorithm is based on the fuzzy Support

Vector Machine (SVM) which is applied to customer acquisition. High value customers can be found based on this algorithm.

The sixth article entitled “Research on Optimization of Project Time-Cost-Quality Based on Particle Swarm Optimization” is contributed by Yanqing Song and Genran Hou. In order to make a proper time-cost-quality decision for a project, they have applied an improved particle swarm optimization algorithm based on rotational base technology. Their study may be used by managers of projects to offer important reference values.

We are confident that readers will benefit immensely from this special issue which covers new dimensions of intelligent supply chain management.

We are thankful to the Editor-in-Chief of the International Journal of Information Systems and Supply Chain Management, Prof. John Wang, without whom this would not be possible.

Last, but not least, we would like to extend thanks to all of the authors for contributing their research to this issue. We are also thankful to all the reviewers.

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