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# Integrated Rfid Model For Optimal Selection Of Drilling

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2023-02-20

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## **PITTS HIGGINS**

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### Logistics Operations and Management

IGI Global  
This book presents the application of system analysis techniques with case studies to help readers learn how the techniques can be applied, how the problems are solved, and which sustainable management strategies can be

reached.

### **Enterprise Integration and Information Architecture**

IGI Global  
The convenience of online shopping has driven consumers to turn to the internet to purchase everything from clothing to housewares and even groceries. The ubiquity of online retail stores and availability of hard-to-find products in the digital marketplace has been a catalyst for a heightened interest in research on the best methods, techniques,

and strategies for remaining competitive in the era of e-commerce. The Encyclopedia of E-Commerce Development, Implementation, and Management is an authoritative reference source highlighting crucial topics relating to effective business models, managerial strategies, promotional initiatives, development methodologies, and end-user considerations in the online commerce sphere. Emphasizing emerging

research on up-and-coming topics such as social commerce, the Internet of Things, online gaming, digital products, and mobile services, this multi-volume encyclopedia is an essential addition to the reference collection of both academic and corporate libraries and caters to the research needs of graduate-level students, researchers, IT developers, and business professionals. .  
*Responsible Manufacturing* IGI Global  
 Applications of

Management Science presents state-of-the-art studies in the application of management science to solve significant managerial decision-making problems. Volume 15 examines management science application to data envelopment analysis, efficiency and supply chain, quality multi-criteria and financial applications.  
*Handbook of Research on Global Supply Chain Management* Springer  
 Nature  
 E-strategies for Resource

Management SystemsIGI Global  
Optimal Localization of Internet of Things Nodes  
 Springer  
 Channel coordination is a core subject of supply chain management. Over the past decade, much research effort has been devoted to exploring the detailed mechanisms for achieving supply chain coordination under uncertainty, generating many fruitful analytical and empirical results. Despite the abundance of research results, there is an absence of a

comprehensive reference source that provides state-of-the-art findings on both theoretical and applied research on the subject. In addition, with the advance of knowledge and technologies, many new topics on supply chain coordination under uncertainty have appeared in recent years. This handbook extensively examines supply chain coordination challenges with a focal point on discovering innovative measures that can help tackle the existing and emerging challenges. The

book is organized into five parts, which include chapters on innovative analytical models for coordination, channel power and bargaining, technological advancements and applications, empirical analysis, cases studies and review. This handbook provides new empirical and analytical results with precious insights, which will not only help supply chain agents to understand more about the latest measures for supply chain coordination under

uncertainty, but also help practitioners and researchers to know how to improve supply chain performance based on innovative methods. *Multimedia-enabled Sensors in IoT* Routledge  
The topic of Enterprise Information Systems (EIS) is having an increasingly relevant strategic impact on global business and the world economy, and organizations are undergoing hard investments in search of the rewarding benefits of efficiency and effectiveness that these

ranges of solutions promise. Organizational Integration of Enterprise Systems and Resources: Advancements and Applications show that EIS are at the same time responsible for tremendous gains in some companies and tremendous losses in others. Therefore, their adoption should be carefully planned and managed. This title highlights new ways to identify opportunities and overtake trends and challenges of EIS selection, adoption, and

exploitation as it is filled with models, solutions, tools, and case studies. The book provides researchers, scholars, and professionals with some of the most advanced research, solutions, and discussions of Enterprise Information Systems design, implementation, and management. Improvement of Supply Chain Performances Using RFID Technology John Wiley & Sons  
The development of radio-frequency electromagnetic fields for wireless data transmission

has presented several new opportunities for sharing, tracking, and reading digital information in various industries. RFID Technology Integration for Business Performance Improvement presents emerging research surrounding the use and value of Radio Frequency Identification (RFID) technology for cost reduction, supply chain improvement, inventory management, and partner relationship management. This publication is ideal for use by business managers, researchers,

academics, and advanced-level students seeking research on the management strategies, operational techniques, opportunities, and challenges of implementing and using this new technology in a business setting.

*Supply Chain Engineering and Logistics Handbook*  
CRC Press

"This 4-volume set provides a compendium of comprehensive advanced research articles written by an international collaboration of experts involved with the strategic

use of information systems"--Provided by publisher.

**Intelligent Data Communication Technologies and Internet of Things** John Wiley & Sons

This book is a practical resource for designing Internet of Things (IoT) networks and implementing IoT applications from the localization perspective. With the emergence of IoT, machine to machine communication, Industrial IoT, and other societal applications, many

applications require knowledge of the exact location of mobile IoT nodes in real-time. As the IoT nodes have computational and energy limitations, it is a crucial research challenge to optimize the network's performance with the highest localization accuracy. Many researchers are working towards such localization problems. However, there is no single book available for the detailed study on IoT node localization. This book provides one-stop multidisciplinary solutions

for IoT node localization, design requirements, challenges, constraints, available techniques, comparison, related applications, and future directions. Special features included are theory supported by algorithmic development, treatment of optimization techniques, and applications.

### **A Systems Perspective on Industrial Information Integration**

IGI Global

The effective use of business intelligence, communication, and

productivity applications for supply chain management are essential for the achievement and analysis of information sharing. Management Innovations for Intelligent Supply Chains provides comprehensive coverage in the latest research and developments of supply chain management. This reference collection provides research, methodologies, and frameworks of the incorporation of information systems to better support supply

chain management.

*Supply Chain Integration*  
Springer Nature

Many smart phone users reap the benefits of location-based services. While tracking users' positions using their smart phone is an issue of concern for some, others who use Foursquare or rely on their Android GPS view location-based services as a necessity. Ubiquitous Positioning and Mobile Location-Based Services in Smart Phones explores new research in smart phones with an emphasis on positioning

solutions in smart phones, smart phone-based navigation applications, mobile geographical information systems, and related standards.

Encyclopedia of E-Commerce Development, Implementation, and Management Springer

This book provides a comprehensive overview of how to strategically manage the movement and storage of products or materials from any point in the manufacturing process to customer fulfillment. Topics covered include important tools for

strategic decision making, transport, packaging, warehousing, retailing, customer services and future trends. An introduction to logistics Provides practical applications Discusses trends and new strategies in major parts of the logistic industry

RFID and Sensor Networks IGI Global

This book gives an overview of best effort data and real-time multipath routing protocols in WMSN. It provides results of recent research in design issues

affecting the development of strategic multipath routing protocols that support multimedia data traffic in WMSN from an IoT perspective, plus detailed analysis on the appropriate traffic models.

**Modeling and Design of Secure Internet of Things** CRC Press

"This book offers insight into current research practices and trends in Information Resource Management strategies that are implemented electronically"--Provided by publisher.

**Applications of Management Science**

Information Gatekeepers Inc  
Enterprise solutions have emerged as promising tools for integrating and extending business processes across business functions. Supplying a clear and comprehensive introduction to the field, this book provides a detailed description of enterprise information integration-from the development of enterprise systems to extended enterprise information  
A Hybrid Approach IGI

Global  
Our rapidly changing world has forced business practitioners, in corporation with academic researchers, to respond quickly and develop effective solution methodologies and techniques to handle new challenges in supply chain systems. Supply Chain Optimization, Management and Integration: Emerging Applications presents readers with a rich collection of ideas from researchers who are bridging the gap between

the latest in information technology and supply chain management. This book includes theoretical, analytical, and empirical research, comprehensive reviews of relevant research, and case studies of effective applications in the field of SCM. The use of new technologies, methods, and techniques are emphasized by those who have worked with supply chain management across the world for those in the field of information systems.  
**Strategic Information**

**Systems: Concepts, Methodologies, Tools, and Applications** BoD –

Books on Demand

Supply Chain

Management (SCM) has always been an important aspect of an enterprise's business model and an effective supply chain network is essential to remaining competitive in a global environment. By properly managing the flow of goods and services, businesses can operate more efficiently while managing most of the workload behind-the-scenes. The Handbook of

Research on Global Supply Chain Management is an in-depth reference source that covers emerging issues and relevant applications of information pertaining to supply chain management from an international perspective. Featuring coverage on topics such as the global importance of SCMs to strategies for producing an effective supply chain, this comprehensive publication is an essential resource for academics and business

professionals alike interested in uncovering managerial insight and logistics solutions. *Inventory and Production Control* CRC Press  
The application of proper ethical systems and education programs is a vital concern in the medical industry. When healthcare professionals are held to the highest moral and training standards, patient care is improved. Healthcare Ethics and Training: Concepts, Methodologies, Tools, and Applications is a comprehensive source

of academic research material on methods and techniques for implementing ethical standards and effective education initiatives in clinical settings. Highlighting pivotal perspectives on topics such as e-health, organizational behavior, and patient rights, this multi-volume work is ideally designed for practitioners, upper-level students, professionals, researchers, and academics interested in the latest developments within the healthcare

industry.

**Concepts,  
Methodologies, Tools,  
and Applications** IGI

Global

This chapter helps to improve readers understanding of the RFID and EPC potential for business processes. RFID technology is classified as a wireless AIDC technology that uses digital data encoded into a radio tag embedding a microchip with an antenna. The data stored on the tag is collected by a reader using radio waves. There are a large

variety of RFID tags designs; they also have many different functional characteristics such as power source, carrier frequency, read range, data storage capacity, operational life, cost etc. RFID has immediate benefits over barcodes. Thus RFID tags are an improvement over barcodes because the tags have read and write capabilities. The data stored on RFID tags can be changed, updated and locked. RFID technology offers a better way to track items with minimal

human intervention, for stocking and marketing purposes. Benefits come in the form of inventory, shrinkage and labor reduction on the one hand, and sales increasing due to reducing out-of-stock and getting real-time demand information on the other hand. RFID technology represents one of a number of possible solutions to enhance supply chain. It is therefore important to do a cost-benefit analysis to evaluate each alternative solution. The majority of

the costs of integrating RFID in supply chain application come from IT, tags, hardware and services. But due to the actual relative high cost of integrating RFID technology, each company needs to evaluate its own business processes to determine where and if RFID can be applied (incorporated) to provide substantial business benefits. Thus, all RFID solutions have to evaluate different performance and cost factors, including the operating environment,

on-tag memory storage, and signal transmission restrictions. Each of these issues has significant cost impacts on both tags and readers. The costs of RFID readers have already fallen to a considerable extent. The cost of tags is expected to decrease over time and as quantities increase. Passive tags are undoubtedly less expensive than active tags and most companies are focusing on passive tags. The different studies proves that at a lower quantity the barcode is

the cheapest alternative for supply chain, but, as quantity of product increase the optimum choice is RFID. In some applications, RFID and barcodes system will still coexist and this redundancy cost must be considered. However, to realize maximum return on investment (ROI) for RFID integration, the enterprises need to leverage their information architecture strategically. Any industrial domain may benefit from RFID technology, and the number of applications is

on the rise. Thus, RFID technology is applied in a vast area of industrial, commercial and military domains, including manufacturing and logistics, retail, animal tracking, etc. This chapter focuses on how RFID technology can be used to solve problems faced by supply chain. In fact, RFID has the potential to radically change the entire supply chain by improving inventory management, asset visibility, and interoperability in an end-to-end integrated

environment. The ability to track, at item level, material flows among partners until they reach the consumer, while maintaining the data accuracy advantages of various types of automatic identification technology (AIT), is the perfect solution to the many issues of enterprises in the past. RFID technology permits the unique identification of each container, pallet, case and item to be manufactured, shipped and sold, thus allowing an increased visibility

throughout the supply chain. Thus the RFID has the potential of helping.

**Health Care Delivery and Clinical Science: Concepts, Methodologies, Tools, and Applications** IGI

Global

An essential guide to the modeling and design techniques for securing systems that utilize the Internet of Things  
Modeling and Design of Secure Internet of Things offers a guide to the underlying foundations of modeling secure Internet of Things' (IoT)

techniques. The contributors—noted experts on the topic—also include information on practical design issues that are relevant for application in the commercial and military domains. They also present several attack surfaces in IoT and secure solutions that need to be developed to reach their full potential. The book offers material on security analysis to help with in understanding and quantifying the impact of the new attack surfaces introduced by IoT

deployments. The authors explore a wide range of themes including: modeling techniques to secure IoT, game theoretic models, cyber deception models, moving target defense models, adversarial machine learning models in military and commercial domains, and empirical validation of IoT platforms. This important book: Presents information on game-theory analysis of cyber deception Includes cutting-edge research finding such as IoT in the

battlefield, advanced persistent threats, and intelligent and rapid honeynet generation  
Contains contributions from an international panel of experts  
Addresses design issues in developing secure IoT

including secure SDN-based network orchestration, networked device identity management, multi-domain battlefield settings, and smart cities  
Written for researchers and experts in computer

science and engineering, Modeling and Design of Secure Internet of Things contains expert contributions to provide the most recent modeling and design techniques for securing systems that utilize Internet of Things.