

Rfid Essentials Theory In Practice Oreilly

This book constitutes the refereed proceedings of the 5th International Workshop on Databases in Networked Information Systems, DNIS 2007, held in Aizu-Wakamatsu, Japan in October 2007. Focusing on data semantics and infrastructure for information management and interchange, the papers are organized in topical sections on geospatial decision-making, Web data management systems, infrastructure of networked information systems, and Web query and web mining systems.

Immer mehr große Warenhäuser nehmen nur noch Waren von Lieferanten an, die mit RFID arbeiten - Radio Frequency Identification, einer technischen Meisterleistung, die es ermöglicht, den Warenfluss eines Artikels lückenlos zu verfolgen. Doch was ist eigentlich RFID und wie funktioniert sie? Für alle, die RFID in ihrer Firma einführen wollen oder müssen, ist dieser verständliche Leitfaden die Rettung! Er behandelt sowohl die technische als auch logistische Seite von RFID und hilft ganz pragmatisch bei der Einführung dieser neuen Technologie.

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Discover how technology can improve patient care -- and enhance every aspect of a nurse's job performance, education, and career A Doody's Core Title for 2017! Written by leaders in nursing informatics, this comprehensive up-to-date text helps you understand how informatics can enhance every aspect of the nursing profession. This edition of Essentials of Nursing Informatics is highlighted by an outstanding team of international contributors and content that reflects the very latest concepts, technologies, policies, and required skills. Numerous case studies take the book beyond theory and add real-world relevance to the material. Essentials of Nursing Informatics is logically divided into ten sections edited by leading nurse informaticists: Nursing Informatics Technologies (Jacqueline Ann Moss) System Life Cycle (Virginia K. Saba) Informatics Theory Standards/Foundations of Nursing Informatics (Virginia K. Saba) Nursing Informatics Leadership (Kathleen Smith) Advanced Nursing Informatics in Practice (Gail E. Latimer) Nursing Informatics/Complex Applications (Kathleen A. McCormick) Educational Applications (Diane J. Skiba) Research Applications (Virginia K. Saba) Big Data Initiatives (Kathleen A. McCormick) International Perspectives (Susan K. Newbold) Essentials of Nursing Informatics is the best single resource for learning how technology can make the nursing experience as rewarding and successful as possible. New Feature! The 6th Edition introduces an online faculty resource to supplement classroom teaching, offering instructors PowerPoints with concise chapter outlines, learning objectives, key words, and explanatory illustrations and tables. To request Instructor PowerPoint slides: Visit www.EssentialsofNursingInformatics.com and under the "Downloads and Resources tab," click "Request PowerPoint" to access the PowerPoint request form. Also, for the first time, a companion study guide for the 6th Edition is available separately from McGraw-Hill (Essentials of Nursing Informatics Study Guide/ISBN: 978-007-184-5892; edited by Julianne Brixey, Jack Brixey, Virginia K. Saba, and Kathleen A. McCormick), presenting teaching modules for all major chapters, with content outlines, teaching tips, class preparation ideas, review questions, answer explanations, and online PowerPoint slides to aid understanding and

retention of all major concepts covered in Essentials of Nursing Informatics, 6th Edition.

This book provides state-of-the-art scientific and engineering research findings and developments in the area of mobile robotics and associated support technologies. It contains peer-reviewed articles presented at the CLAWAR 2008 conference. Robots are no longer confined to industrial manufacturing environments; rather, a great deal of interest is invested in the use of robots outside the factory environment. The CLAWAR conference series, established as a high-profile international event, acts as a platform for dissemination of research and development findings to address the current interest in mobile robotics in meeting the needs of mankind in various sectors of the society. These include personal care, public health, and services in the domestic, public and industrial environments. The editors of the book have extensive research experience and publications in the area of robotics in general, and in mobile robotics specifically.

Forensic science includes all aspects of investigating a crime, including: chemistry, biology and physics, and also incorporates countless other specialties. Today, the service offered under the guise of 'forensic science' includes specialties from virtually all aspects of modern science, medicine, engineering, mathematics and technology. The Encyclopedia of Forensic Sciences, Second Edition is a reference source that will inform both the crime scene worker and the laboratory worker of each other's protocols, procedures and limitations. Written by leading scientists in each area, every article is peer reviewed to establish clarity, accuracy, and comprehensiveness. As reflected in the specialties of its Editorial Board, the contents covers the core theories, methods and techniques employed by forensic scientists – and applications of these that are used in forensic analysis. This 4-volume set represents a 30% growth in articles from the first edition, with a particular increase in coverage of DNA and digital forensics. Includes an international collection of contributors. The second edition features a new 21-member editorial board, half of which are internationally based. Includes over 300 articles, approximately 10pp on average. Each article features a) suggested readings which point readers to additional sources for more information, b) a list of related Web sites, c) a 5-10 word glossary and definition paragraph, and d) cross-references to related articles in the encyclopedia. Available online via SciVerse ScienceDirect. Please visit www.info.sciencedirect.com for more information. This new edition continues the reputation of the first edition, which was awarded an Honorable Mention in the prestigious Dartmouth Medal competition for 2001. This award honors the creation of reference works of outstanding quality and significance, and is sponsored by the RUSA Committee of the American Library Association.

In Physical Unclonable Functions in Theory and Practice, the authors present an in-depth overview of various topics concerning PUFs, providing theoretical background and application details. This book concentrates on the practical issues of PUF hardware design, focusing on dedicated microelectronic PUF circuits. Additionally, the authors discuss the whole process of circuit design, layout and chip verification. The book also offers coverage of: Different published approaches focusing on dedicated microelectronic PUF circuits. Specification of PUF circuits. General design issues. Minimizing error rate from the circuit's perspective. Transistor modeling issues of Montecarlo mismatch simulation and solutions. Examples of PUF circuits including an accurate description of the circuits and testing/measurement results. Different error rate reducing pre-selection techniques. This

monograph gives insight into PUFs in general and provides knowledge in the field of PUF circuit design and implementation. It could be of interest for all circuit designers confronted with PUF design, and also for professionals and students being introduced to the topic.

Die Festschrift für Wolfgang Kersten zum 60. Geburtstag enthält 41 Beiträge, die seine Schüler und Schülerinnen, Kolleginnen und Kollegen sowie Freunde ihm zu Ehren gewidmet haben. Sie spiegeln die weiten interdisziplinären Forschungsfelder Wolfgang Kerstens wider, die von Supply Chain (Risiko-) Management, Produktions- und Logistikmanagement, Technologie- und Prozessinnovationen, Digitalisierung und Industrie 4.0, Nachhaltigkeit sowie angewandten Managementmethoden geprägt sind. ? Mashups are mostly lightweight Web applications that offer new functionalities by combining, aggregating and transforming resources and services available on the Web. Popular examples include a map in their main offer, for instance for real estate, hotel recommendations, or navigation tools. Mashups may contain and mix client-side and server-side activity. Obviously, understanding the incoming resources (services, statistical figures, text, videos, etc.) is a precondition for optimally combining them, so that there is always some undercover semantics being used. By using semantic annotations, neutral mashups permute into the branded type of semantic mashups. Further and deeper semantic processing such as reasoning is the next step. The chapters of this book reflect the diversity of real-life semantic mashups. Two overview chapters take the reader to the environments where mashups are at home and review the regulations (standards, guidelines etc.) mashups are based on and confronted with. Chapters focusing on DBpedia, search engines and the Web of Things inspect the main Web surroundings of mashups. While mashups upgrading search queries may be nearer to the everyday experience of readers, mashups using DBpedia input and sensor data from the real world lead to important new and therefore less known developments. Finally, the diversity of mashups is tracked through a few application areas: mathematical knowledge, speech, crisis and disaster management, recommendations (for games), inner-city information, and tourism. Participants of the AI Mashup Challenge wrote all the chapters of this book. The authors were writing for their current and future colleagues – researchers and developers all over the Web who integrate mashup functionalities into their thinking and possibly into their applications.

Tag Protocols; Protocol Terms and Concepts; How Tags Store Data; GS1 SGTIN Encoding; Find the header; Find the partition; Concatenate the header, filter value, and partition; Append the Company Prefix, Item Reference, and Serial Number; Calculate the CRC and append the EPC to it; Singulation and Anti-Collision Procedures; Slotted Aloha; Adaptive Binary Tree; Slotted Terminal Adaptive Collection (STAC); EPC UHF Class I Gen2; Tag memory; Inventory commands; The Select command; Access commands; Tag states; Tag Features for Security and Privacy; Destroying and Disabling Tags.

All over the world, vast research is in progress on the domain of Industry 4.0 and related techniques. Industry 4.0 is expected to have a very high impact on labor markets, global value chains, education, health, environment, and many social economic aspects. Industry 4.0 Interoperability, Analytics, Security, and Case Studies provides a deeper understanding of the drivers and enablers of Industry 4.0. It includes real case studies of various applications related to different fields, such as cyber physical systems (CPS), Internet of Things (IoT), cloud computing, machine learning, virtualization, decentralization, blockchain, fog computing, and many other related areas. Also discussed are

interoperability, design, and implementation challenges. Researchers, academicians, and those working in industry around the globe will find this book of interest. FEATURES Provides an understanding of the drivers and enablers of Industry 4.0 Includes real case studies of various applications for different fields Discusses technologies such as cyber physical systems (CPS), Internet of Things (IoT), cloud computing, machine learning, virtualization, decentralization, blockchain, fog computing, and many other related areas Covers design, implementation challenges, and interoperability Offers detailed knowledge on Industry 4.0 and its underlying technologies, research challenges, solutions, and case studies

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.

Knowledge and Technology Adoption, Diffusion, and Transfer: International Perspectives is filled with original scientific and quality research articles on management information systems, technology diffusion, and business systems application aspects of e-commerce, e-government, and mobile application. As a forum of multi-disciplinary and interdisciplinary dialogue, it addresses research on all aspects of innovation diffusion in the field of business computing technologies and their past, present, and future use. This title serves as a vital source of information for researchers and practitioners alike.

Measuring productivity is often considered a difficult task for industries in the services sectors. This book offers a solution in the form of the 8M approach -- Management, Manpower, Method, Money, Market, Make, Material and Message. This 8M framework is used to analyze the many facets of productivity and make pertinent solutions and suggestions to lift productivity in enterprises, especially those in the retail and food services sectors. This book consists of 10 chapters. Each chapter is an in-depth study of a specific measure, be it a technological system, a manpower strategy or a marketing program to improve the performance and productivity of small and medium enterprises (SMEs) in the retail and food services sectors in Singapore. Technology-driven solutions are the highlight of this book. Every study presented involves field work in terms of surveys, interviews or focus group discussions with stakeholders. The findings of the studies lead to policy recommendations and suggestions for improving the productivity performance of SMEs in the retail and food services sectors. Contents: About the Author Acknowledgements Foreword Preface Introduction The Use of Lean Management Principle and Practices for Productivity Improvement in the Retail and Food Services Sectors of Singapore Use of Self-service Technology in Supermarkets: Case Study of a Supermarket and Consumer Responses Seeking Productivity Improvement with Self Service Technology (SST) in the F&B Sector: Case Study of Six Restaurants and a Consumer Survey Integrating the Supply Chain with RFID: A Study on Boosting Productivity in the Retail and F&B Sectors The Role of Shared Services in Improving Productivity in the Food Services Sector 3D Printing as a Means of Improving Productivity M-commerce as a Strategy to Increase Productivity in Singapore Effectiveness of Cash Management Technologies and Cashless Payments in Retail and Food Services Sectors Adopting Job Redesign Principles to Transform Business Operations and Raise Productivity in

the Retail and Food Services Sectors Effectiveness of Loyalty Cards in Improving Business Performance and Productivity: An Appraisal in the Retail and F&B Industry of Singapore Concluding Remarks References Readership: Policy makers in public sectors; bosses and executives of small and medium enterprises (SMEs), general readers interested in productivity in Singapore. Keywords:

Productivity; Technology; Manpower; Marketing; RFID; Job Redesign; 3D Printing; Singapore Review: Key Features: Use of the 8 M framework in diagnosing, analysis and provision of solution to productivity problems In-depth studies supported by surveys and/ or case studies in each of the chapter Each chapter is self-contained, easy to read and jargon-free. Where possible, experience in other countries are included to provide comparison and appreciation of situation in Singapore

Introduction to Corrections provides a comprehensive foundation of corrections that is practitioner-driven and grounded in modern research and theoretical origins. This text uniquely illustrates how the day-to-day practitioner conducts business in the field of corrections in both institutional and community settings. Experienced correctional practitioner, scholar, and author Robert D. Hanser shows readers how the corrections system actually works, from classification, to security, to treatment, to demonstrating how and why correctional practices are implemented. Furthering the reality of the modern correctional experience, the Third Edition includes a new chapter on immigration detention centers.

"This book highlights new research regarding wireless identification and sensing platform (WISP) tags, security, and applications, serving as a reference on WISP technology and presenting recent advances in this field"--Provided by publisher.

Many of the initial developments towards the Internet of Things have focused on the combination of Auto-ID and networked infrastructures in business-to-business logistics and product lifecycle applications. However, the Internet of Things is more than a business tool for managing business processes more efficiently and more effectively – it will also enable a more convenient way of life. Since the term Internet of Things first came to attention when the Auto-ID Center launched their initial vision for the EPC network for automatically identifying and tracing the flow of goods within supply-chains, increasing numbers of researchers and practitioners have further developed this vision. The authors in this book provide a research perspective on current and future developments in the Internet of Things. The different chapters cover a broad range of topics from system design aspects and core architectural approaches to end-user participation, business perspectives and applications.

This book looks into the 'what' is electronically enabled agribusiness? 'Why' would an agribusiness want to embrace it? And 'how' does one go about doing it? The book pulls together a number of major issues facing people moving into the electronically enabled agribusiness environment. This book is both an introduction to electronic business issues and a comprehensive guide to more detailed business processes and strategic planning matters associated with the technologies involved. In particular the following key areas are addressed, concepts, technology in business, e-enabled business models and e-strategies, management concepts and innovative education.

Contributed articles.

The Advanced Forensic Science Series grew out of the recommendations from the 2009 NAS Report: "Strengthening Forensic Science: A Path Forward." This volume, Firearm and Toolmark Examination and Identification, will serve as a graduate-level text for those studying and teaching firearm and toolmark examination and identification. It will also prove an excellent reference for

forensic practitioner's libraries or use in their casework. Coverage includes a wide variety of tools and toolmarks, analysis of gunshots, ammunition, gunshot wounds and professional issues they may encounter. Provides basic principles of forensic science and an overview of firearms and toolmarks Contains information on a wide variety of tools and toolmarks Covers the analysis and interpretation of gunshots, ammunition and gunshot wounds Includes a section on professional issues, such as: from crime scene to court, lab reports, and health and safety Incorporates effective pedagogy, key terms, review questions, discussion question and additional reading suggestions

This two volume set LNCS 7016 and LNCS 7017 constitutes the refereed proceedings of the 11th International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP 2011, held in Melbourne, Australia, in October 2011. The second volume includes 37 papers from one symposium and three workshops held together with ICA3PP 2011 main conference. These are 16 papers from the 2011 International Symposium on Advances of Distributed Computing and Networking (ADCN 2011), 10 papers of the 4th IEEE International Workshop on Internet and Distributed Computing Systems (IDCS 2011), 7 papers belonging to the III International Workshop on Multicore and Multithreaded Architectures and Algorithms (M2A2 2011), as well as 4 papers of the 1st IEEE International Workshop on Parallel Architectures for Bioinformatics Systems (HardBio 2011).

The theme of Medinfo2007 is "Building Sustainable Health Systems". Particular foci are health challenges for the developing and developed world, the social and political context of healthcare, safe and effective healthcare, and the difficult task of building and maintaining complex health information systems. Sustainable health information systems are those that can meet today's needs without compromising the needs of future generations. To build a global knowledge society, there needs to be an increased cooperation between science and technology and access to high-quality knowledge and information. The papers presented are refereed and from all over the world. They reflect the breadth and depth of the field of biomedical and health informatics, covering topics such as; health information systems, knowledge and data management, education, standards, consumer health and human factors, emerging technologies, sustainability, organizational and economic issues, genomics, and image and signal processing. As this volume carries such a wide collection, it will be of great interest to anyone engaged in biomedical and health informatics research and application.

Within the domain of sport, the application of science is more apparent than ever before. Not only are universities and academic institutions scientifically investigating sport as one element of human performance, but professional teams, sporting organizations, and private training companies are embracing approaches that use scientific principles to help their athletes and teams gain a competitive edge in sporting competition. The potential for applying science to sport training and sport performance is vast. There is a demand for sport scientists who can collect and convert data into valuable information—information that drives decision making and directly influences performance outcomes. To address this growing need, the world-renowned National Strength and Conditioning Association developed the Certified Performance and Sport Scientist (CPSS) certification, along with the must-have reference for anyone in the field. NSCA's Essentials of Sport Science features contributions from 52 globally recognized experts

and thought leaders from the field of sport science. It is the only resource to go beyond sport science's foundations—physiology, biochemistry, biomechanics, nutrition, and skill acquisition—to address the use of statistics and broader fields of data science, analytics, and technology management. Readers will explore every aspect of the sport scientist's role: understanding training theory, performing needs analyses, conducting athlete monitoring and assessment, managing data and analytics, and educating and disseminating information. The integration of these technical skills will guide sport scientists in drawing conclusions that can be used to manipulate training methods and shape competition strategies for the betterment of athletes' health, well-being, and performance. NSCA's Essentials of Sport Science offers a holistic overview of the technical expertise, skills, and knowledge required to operate effectively as a modern-day sport scientist. Further, it will help prepare candidates for the NSCA's CPSS certification exam and aid all sport scientists in acquiring and using the best available evidence—at the right time, in the right environment, and for the right individual—to maximize their performance.

This book provides the technical essentials, state-of-the-art knowledge, business ecosystem and standards of Near Field Communication (NFC) by NFC Lab – Istanbul research centre which conducts intense research on NFC technology. In this book, the authors present the contemporary research on all aspects of NFC, addressing related security aspects as well as information on various business models. In addition, the book provides comprehensive information a designer needs to design an NFC project, an analyzer needs to analyze requirements of a new NFC based system, and a programmer needs to implement an application. Furthermore, the authors introduce the technical and administrative issues related to NFC technology, standards, and global stakeholders. It also offers comprehensive information as well as use case studies for each NFC operating mode to give the usage idea behind each operating mode thoroughly. Examples of NFC application development are provided using Java technology, and security considerations are discussed in detail. Key Features: Offers a complete understanding of the NFC technology, including standards, technical essentials, operating modes, application development with Java, security and privacy, business ecosystem analysis Provides analysis, design as well as development guidance for professionals from administrative and technical perspectives Discusses methods, techniques and modelling support including UML are demonstrated with real cases Contains case studies such as payment, ticketing, social networking and remote shopping This book will be an invaluable guide for business and ecosystem analysts, project managers, mobile commerce consultants, system and application developers, mobile developers and practitioners. It will also be of interest to researchers, software engineers, computer scientists, information technology specialists including students and graduates.

"This multiple-volume publication advances the emergent field of mobile computing offering research on approaches, observations and models pertaining to mobile devices and wireless communications from over 400 leading researchers"--Provided by publisher. The regional development of society and economy are closely related with innovative capacities. As the benefits of Regional information systems in establishing innovative regional planning are more widely recognized, there is a greater demand for a definitive text on the nascent subject. Regional Innovation Systems and Sustainable Development:

Emerging Technologies promotes scientific discussion on standards and practices of regional development, while also covering emerging research topics in regional innovation systems and sustained development. A leading source of information from experts in the field, this text demonstrates the capacity of regional innovation systems, information technology, management and sustainable development for the mutual understanding, prosperity and well being of all the citizens in the world.

This three-volume set LNAI 6911, LNAI 6912, and LNAI 6913 constitutes the refereed proceedings of the European conference on Machine Learning and Knowledge Discovery in Databases: ECML PKDD 2011, held in Athens, Greece, in September 2011. The 121 revised full papers presented together with 10 invited talks and 11 demos in the three volumes, were carefully reviewed and selected from about 600 paper submissions. The papers address all areas related to machine learning and knowledge discovery in databases as well as other innovative application domains such as supervised and unsupervised learning with some innovative contributions in fundamental issues; dimensionality reduction, distance and similarity learning, model learning and matrix/tensor analysis; graph mining, graphical models, hidden markov models, kernel methods, active and ensemble learning, semi-supervised and transductive learning, mining sparse representations, model learning, inductive logic programming, and statistical learning. A significant part of the papers covers novel and timely applications of data mining and machine learning in industrial domains.

"This book reports on practical problems and underlying theory related to the use of primary RFID technologies"--Provided by publisher.

FinTech, an abbreviated term for financial technology, is a digital revolution changing the way banking and financial services are being used both by individuals and businesses. As these changes continue to take place, the financial industry is focused on technological innovation and feeding into this digital revolution to better serve consumers who are looking for easier ways to invest, transfer money, use banking services, and more. FinTech is increasing accessibility to financial services, automating these services, expanding financial options, and enabling online payments and banking. While the benefits are being continually seen and this technology is becoming more widely accepted, there are still challenges facing the technology that include security concerns. To understand FinTech and its role in society, both the benefits and challenges must be reviewed and discussed for a holistic view on the digital innovations changing the face of the financial industry. The Research Anthology on Concepts, Applications, and Challenges of FinTech covers the latest technologies in FinTech with a comprehensive view of the impact on the industry, where these technologies are implemented, how they are improving financial services, and the security applications and challenges being faced. The chapters cover the options FinTech has unlocked, such as mobile banking and virtual transactions, while also focusing

on the workings of the technology itself and security applications, such as blockchain and cryptocurrency. This book is a valuable reference tool for accountants, bankers, financial planners, financial analysts, business managers, economists, computer scientists, academicians, researchers, financial professionals, and students.

This new, innovative textbook provides a highly accessible introduction to the principles of marketing, presenting a theoretical foundation and illustrating the application of the theory through a wealth of case studies.

Now available in paperback— Pro Oracle Spatial for Oracle Database 11g shows how to take advantage of Oracle Databases built-in feature set for working with location-based data. A great deal of the information used in business today is associated with location in some way, and analysis of that data is becoming ever more important in today's mobile and highly connected world. In Pro Oracle Spatial for Oracle Database 11g, authors Ravi Kothuri and Albert Godfrind address: The special nature of spatial data and its role in professional and consumer applications Issues in spatial data management such as modeling, storing, accessing, and analyzing spatial data The Oracle Spatial solution and the integration of spatial data into enterprise databases How spatial information is used to understand business and support decisions, to manage customer relations, and to better serve private and corporate users When you read Pro Oracle Spatial for Oracle Database 11g, you're learning from the very best. Ravi Kothuri is a key member of Oracle's Spatial development team. Albert Godfrind consults widely with Oracle clients on the implementation of Oracle Spatial, develops training courses, and presents frequently at conferences. Together they have crafted a technically sound and authoritative fountain of information on working with spatial data in the Oracle database.

Green Technologies: Concepts, Methodologies, Tools and Applications assembles the most up-to-date collection of research results and recent discoveries in environmental and green technology. This comprehensive anthology covers a wide range of topics, i

Help students prepare for the NCLEX® and their transition to practice! Organized around the issues in today's constantly changing healthcare environment Leading and Managing in Nursing, 7th Edition, offers an innovative approach to leading and managing by merging theory, research, and practical application. This cutting-edge text includes coverage of patient safety, consumer relationships, cultural diversity, resource management delegation, and communication. In addition, it provides just the right amount of information to equip students with the tools they need to master leadership and management, which will better prepare them for clinical practice. UPDATED! Fresh content and references related to conflict (mediation and arbitration), personal/personnel issues, violence and incivility, and delegation included in their respective chapters. Separate chapters on key topic areas such as cultural diversity, consumer relationships, delegation, managing information and technology, legal and ethical issues, and many more. Eye-catching full-color design helps

engage and guide students through each chapter. UNIQUE! Each chapter opens with The Challenge, where practicing nurse leaders/managers offer their real-world views of a concern related in the chapter, encouraging students to think about how they would handle the situation. UNIQUE! The Solution closes each chapter with an effective method to handle the real-life situation presented in The Challenge, and demonstrates the ins and outs of problem solving in practice. The Evidence boxes in each chapter summarize relevant concepts and research from nursing/business/medicine literature. Theory boxes highlight and summarize pertinent theoretical concepts related to chapter content. UPDATED! Chapter 2, Clinical Safety: The Core of Leading, Managing, and Following, features the latest guidelines for ensuring patient safety, QSEN updates and it will also include some new tools to help with assessing/managing patient safety in the hospital setting UPDATED! Chapter 16, The Impact of Technology, includes information on future trends such as Health Information Exchange (HIE), data warehouses with predictive analytics, and information on decision support systems and their impact on patient care. UPDATED! Chapter 12, Care Delivery Strategies, covers different nursing care delivery models used to organize care in a variety of healthcare organizations. UPDATED! Chapter 14, Workforce Engagement through Collective Action and Governance, provides information on how to assess work environments through assessing organizational and governance characteristics, nurse empowerment/engagement strategies, and a variety of collective action and bargaining strategies that can shape nurses' practice.

RFID Essentials"O'Reilly Media, Inc."

Radio Frequency Identification (RFID) is a wireless tracking and data capturing technique for automatic identification, tracking, security surveillance, logistics, and supply chain management. RFID tags, which have been successfully employed in many industries including retail and healthcare, have provided a multitude of benefits but also currently remain very costly. Chipless and Conventional Radio Frequency Identification: Systems for Ubiquitous Tagging explores the use of conventional RFID technology as well as chipless RFID technology, which provides a cheaper method of implementation, opening many doors for a variety of applications and industries. This practical reference, designed for researchers and practitioners, investigates the growing field of RFID and its promising future.

The fashion industry is a multibillion-dollar global industry with a variety of organizational structures and a multitude of challenges. Such scope triggered the recent rise in management programs in the U.S. and Europe aiming to produce and train young managers to meet such global and diverse challenges. Managing Fashion covers the fashion business with a twist – a management twist. Its goal is to tackle the topics from a fashion manager perspective referencing relevant management concepts and theories, thus offering a deeper and more practical dimension to the issues addressed. It offers a balanced mix of fashion and management, theory and application, as well as creating an opportunity for analysis and critical thinking. Discussions throughout

the book are supported by specially developed case studies and relevant examples taken from the fashion industry. It is an opportunity to expose the fashion student or reader, as well as aspiring fashion managers, to a more practical approach to fashion theories and issues. Managing Fashion will serve as a core text for Fashion Studies, Fashion Entrepreneurship, and Fashion Merchandising majors as well as for special business degrees and management certificates targeting the fashion industry.

"This book addresses the difficult task of managing admissions and waiting lists while ensuring quick and convincing response to unanticipated changes of the clinical needs. It tackles the limitations of traditional systems, taking into consideration the dynamic nature of clinical needs, scarce resources, alternative strategies, and customer satisfaction in an environment that imposes unexpected deviation from planned activities"--Provided by publisher.

E-maintenance is the synthesis of two major trends in today's society: the growing importance of maintenance as a key technology and the rapid development of information and communication technology. E-maintenance gives the reader an overview of the possibilities offered by new and advanced information and communication technology to achieve efficient maintenance solutions in industry, energy production and transportation, thereby supporting sustainable development in society. Sixteen chapters cover a range of different technologies, such as: new micro sensors, on-line lubrication sensors, smart tags for condition monitoring, wireless communication and smart personal digital assistants. E-maintenance also discusses semantic data-structuring solutions; ontology structured communications; implementation of diagnostics and prognostics; and maintenance decision support by economic optimisation. It includes four industrial cases that are both described and analysed in detail, with an outline of a global application solution. E-maintenance is a useful tool for engineers and technicians who wish to develop e-maintenance in industrial sites. It is also a source of new and stimulating ideas for researchers looking to make the next step towards sustainable development.

Emerging Technologies in Computing: Theory, Practice, and Advances reviews the past, current, and future needs of technologies in the computer science field while it also discusses the emerging importance of appropriate practices, advances, and their impact. It outlines emerging technologies and their principles, challenges, and applications as well as issues involved in the digital age.

With the rapid development of technologies, it becomes increasingly important for us to remain up to date on new and emerging technologies. It draws a clear illustration for all those who have a strong interest in emerging computing technologies and their impacts on society. Features: Includes high-quality research work by academicians and industrial experts in the field of computing Offers case studies related to Artificial Intelligence, Blockchain, Internet of Things, Multimedia Big Data, Blockchain, Augmented Reality, Data Science, Robotics, Cybersecurity, 3D Printing, Voice Assistants and Chatbots, and Future Communication Networks Serves as a valuable reference guide for anyone seeking knowledge about where future computing is heading

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