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Plunkett's Transportation, Supply Chain And Logistics Industry Almanac 2006 The Only Comprehensive Guide To The Business Of Transportation, Logistics And Supply Chain Management Plunkett Research, Ltd. The immense, global transportation and logistics sector is vital to businesses of all types. This carefully-researched book covers exciting trends in supply chain and logistics management, transportation, just in time delivery, warehousing, distribution, intermodal shipment systems, logistics services, purchasing and advanced technologies such as RFID. This reference tool includes thorough market analysis as well as our highly respected trends analysis. You'll find a complete overview, industry analysis and market research report in one superb, value-priced package. It contains thousands of contacts for business and industry leaders, industry associations, Internet sites and other resources.This book also includes statistical tables, an industry glossary and thorough indexes. The corporate profiles section of the book includes our proprietary, in-depth profiles of nearly 500 leading companies in all facets of the transportation and logistics industry. Here you'll find complete profiles of the hot companies that are making news today, the largest, most successful corporations in the business. Purchasers of either the book or PDF version can receive a free copy of the company profiles database on CD-ROM, enabling key word search and export of key information, addresses, phone numbers and executive names with titles for every company profiled. Plunkett's Real Estate & Construction Industry Almanac 2007: Real Estate & Construction Industry Market Research, Statistics, Trends & Leading Compani Plunkett Research, Ltd. This carefully-researched book covers exciting trends in residential construction, commercial construction, real estate brokerage, property management, investment, finance, hotels, shopping centers, office buildings, mortgages, development, architecture, REITs and more. This reference tool includes thorough market analysis as well as our highly respected trends analysis. You'll find a complete overview, industry analysis and market research report in one superb, value-priced package. It contains thousands of contacts for business and industry leaders, industry associations, Internet sites and other resources.This book also includes statistical tables, an industry glossary and thorough indexes. The corporate profiles section of the book includes our proprietary, in-depth profiles of nearly 400 leading companies in all facets of the real estate, construction, design and mortgages industry. Here you'll find complete profiles of the hot companies that are making news today, the largest, most successful corporations in the business. Purchasers of either the book or PDF version can receive a free copy of the company profiles database on CD-ROM, enabling key word search and export of key information, addresses, phone numbers and executive names with titles for every company profiled. Southcentral Alaska Water Resources Study (Level B). Technical memorandum. Industrial water use analysis and water supply single purpose solutions. Phase II Plunkett's Almanac of Middle Market Companies: Middle Market Research, Statistics & Leading Companies Plunkett Research, Ltd. Plunkett's Almanac of Middle Market Companies 2008 is designed to be time-saving business development tool for professionals, marketers, sales directors, consultants and strategists seeking to understand and reach middle market American companies. It will also be of great use to placement, recruiting and human resources professionals, as well as professionals working in economic development, lending and media. It covers competitive intelligence, market research and business analysis--everything you need to identify and develop strategies for middle market corporations. Coverage includes all major business sectors, from InfoTech to health care to telecommunications and much more. (We have intentionally omitted retail companies and banks.) These profiles and details on over 500 middle market firms are pulled from our extensive company and industry databases. We also include a business glossary and a listing of business contacts, such as industry associations and government agencies. Next, we profile hundreds of leading middle market companies. Our company profiles include complete business descriptions and up to 27 executives by name and title. Purchasers of either the book or PDF version can receive a free copy of the company profiles database on CD-ROM, enabling key word search and export of key information, addresses, phone numbers and executive names with titles for every company profiled. Advanced Sales Management Handbook and Cases Analytical, Applied, and Relevant Routledge Advanced Sales Management Handbook and Cases: Analytical, Applied, and Relevant will fill the need in the market for a solid case work, role play, and activity book. It has been written by sales teaching professionals and sales executives. The life experiences of professionals with varied experiences will provide students with a solid foundation for learning. This will give college professors from around the world a better opportunity to ensure quality of learning. The book is intended to be supplemental to any other sales management text on the market, but could be used alone in an advanced sales management or marketing analytics course in which the students already have the base theoretical knowledge. The various cases, role plays, and experiential exercises in this book will follow the same topical structure of other sales management texts so that any sales management instructor can readily adopt this supplemental book. For many of the cases, actual data has been given so that students are required to use and understand analytical software. Plunkett's Real Estate & Construction Industry Almanac 2008 The Only Comprehensive Guide to the Real Estate & Construction Industry Plunkett Research, Ltd. This carefully-researched book covers exciting

trends in residential construction, commercial construction, real estate brokerage, property management, investment, finance, hotels, shopping centers, office buildings, mortgages, development, architecture, REITs and more. This reference tool includes thorough market analysis as well as our highly respected trends analysis. You'll find a complete overview, industry analysis and market research report in one superb, value-priced package. It contains thousands of contacts for business and industry leaders, industry associations, Internet sites and other resources.This book also includes statistical tables, an industry glossary and thorough indexes. The corporate profiles section of the book includes our proprietary, in-depth profiles of nearly 400 leading companies in all facets of the real estate, construction, design and mortgages industry. Here you'll find complete profiles of the hot companies that are making news today, the largest, most successful corporations in the business. Purchasers of either the book or PDF version can receive a free copy of the company profiles database on CD-ROM, enabling key word search and export of key information, addresses, phone numbers and executive names with titles for every company profiled. Industrial Engineering: Concepts, Methodologies, Tools, and Applications Concepts, Methodologies, Tools, and Applications IGI Global Industrial engineering affects all levels of society, with innovations in manufacturing and other forms of engineering oftentimes spawning cultural or educational shifts along with new technologies. Industrial Engineering: Concepts, Methodologies, Tools, and Applications serves as a vital compendium of research, detailing the latest research, theories, and case studies on industrial engineering. Bringing together contributions from authors around the world, this three-volume collection represents the most sophisticated research and developments from the field of industrial engineering and will prove a valuable resource for researchers, academics, and practitioners alike. Plunkett's Companion to the Almanac of American Employers 2008 Mid-Size Firms Plunkett Research, Ltd. Covers employers of various types from 100 to 2,500 employees in size (while the main volume covers companies of 2,500 or more employees). This book contains profiles of companies that are of vital importance to job-seekers of various types. It also enables readers to compare the growth potential and benefit plans of large employers. Plunkett's Almanac of Middle Market Companies 2009 Plunkett Research, Ltd. A business development tool for professionals, marketers, sales directors, consultants and strategists seeking to understand and reach middle market American companies. It covers important business sectors, from InfoTech to health care to telecommunications. Profiles of more than 500 leading US middle market companies. Includes business glossary, a listing of business contacts, indexes and database on CD-ROM. Industrial Agents Emerging Applications of Software Agents in Industry Morgan Kaufmann Industrial Agents explains how multi-agent systems improve collaborative networks to offer dynamic service changes, customization, improved quality and reliability, and flexible infrastructure. Learn how these platforms can offer distributed intelligent management and control functions with communication, cooperation and synchronization capabilities, and also provide for the behavior specifications of the smart components of the system. The book offers not only an introduction to industrial agents, but also clarifies and positions the vision, on-going efforts, example applications, assessment and roadmap applicable to multiple industries. This edited work is guided and co-authored by leaders of the IEEE Technical Committee on Industrial Agents who represent both academic and industry perspectives and share the latest research along with their hands-on experiences prototyping and deploying industrial agents in industrial scenarios. Learn how new scientific approaches and technologies aggregate resources such next generation intelligent systems, manual workplaces and information and material flow system Gain insight from experts presenting the latest academic and industry research on multi-agent systems Explore multiple case studies and example applications showing industrial agents in a variety of scenarios Understand implementations across the enterprise, from low-level control systems to autonomous and collaborative management units The Auditor's Guide to Blockchain Technology Architecture, Use Cases, Security and Assurance CRC Press The 21st century has been host to a number of information systems technologies in the areas of science, automotive, aviation and supply chain, among others. But perhaps one of its most disruptive is blockchain technology whose origin dates to only 2008, when an individual (or perhaps a group of individuals) using the pseudonym Satoshi Nakamoto published a white paper entitled Bitcoin: A peer-to-peer electronic cash system in an attempt to address the threat of "double- spending" in digital currency. Today, many top-notch global organizations are already using or planning to use blockchain technology as a secure, robust and cutting-edge technology to better serve customers. The list includes such well-known corporate entities as JP Morgan, Royal Bank of Canada, Bank of America, IBM and Walmart. The tamper-proof attributes of blockchain, leading to immutable sets of transaction records, represent a higher quality of evidence for internal and external auditors. Blockchain technology will impact the performance of the audit engagement due to its attributes, as the technology can seamlessly complement traditional auditing techniques. Furthermore, various fraud schemes related to financial reporting, such as the recording of fictitious revenues, could be avoided or at least greatly mitigated. Frauds related to missing, duplicated and identical invoices can also be greatly curtailed. As a result, the advent of blockchain will enable auditors to reduce substantive testing as inherent and control audit risks will be reduced thereby greatly improving an audit's detection risk. As such, the continuing use and popularity of blockchain will mean that auditors and information systems security professionals will need to deepen their knowledge of this disruptive technology. If you are looking for a comprehensive study and reference source on blockchain technology, look no further than The Auditor's Guide to Blockchain Technology: Architecture, Use Cases, Security and Assurance. This title is a must read for all security and assurance professionals and students looking to become more proficient at auditing this new and disruptive technology. Logistic Optimization of Chemical Production Processes John Wiley & Sons In this first book dedicated to the logistics of chemical plants and production processes, authors from academia and industry -- such as Bayer, Degussa, Merck -- provide an overview of the field, incorporating the knowledge and experience gathered over the last 10 years. In so doing, they describe the latest ideas on efficient design, illustrating when to produce which part of the equipment and with which resources, so as to optimize chemical plants for high capacity and flexibility. This book gives an overview of the state-of-the-art of the whole logistic chain of chemical production processes. Alongside

the fundamentals, tools and algorithms, and integration issues, the book features five significant industrial case studies. Plunkett's Companion to the Almanac of American Employers Mid-Size Firms 2006 Plunkett Research, Ltd. Plunkett's Companion to the Almanac of American Employers is the perfect complement to the highly-regarded main volume of The Almanac of American Employers. This mid-size firms companion book covers employers of all types from 100 to 2,500 employees in size (while the main volume covers companies of 2,500 or more employees). No other source provides this book's easy-to-understand comparisons of growth, corporate culture, salaries, benefits, pension plans and profit sharing at mid-size corporations. The book contains profiles of highly successful companies that are of vital importance to job-seekers of all types. It also enables readers to readily compare the growth potential and benefit plans of large employers. You'll see the financial record of each firm, along with the impact of earnings, sales and growth plans on each company's potential to provide a lucrative and lasting employment opportunity. Nearly five hundred of the most successful mid-size corporate employers in America are analyzed in this book. Tens of thousands of pieces of information, gathered from a wide variety of sources, have been researched for each corporation and are presented here in a unique form that can be easily understood by job seekers of all types. Purchasers of either the book or PDF version can receive a free copy of the company profiles database on CD-ROM, enabling export of company names, human resources contacts, and addresses for mail merge and other uses. Management Information Systems for Enterprise Applications: Business Issues, Research and Solutions Business Issues, Research and Solutions IGI Global "This book provides the conceptual and methodological foundations that reflect interdisciplinary concerns regarding research in management information systems, investigating the future of management information systems by means of analyzing a variety of MIS and service-related concepts in a wide range of disciplines"--Provided by publisher. Blockchain and AI Technology in the Industrial Internet of Things IGI Global Blockchain and artificial intelligence (AI) in industrial internet of things is an emerging field of research at the intersection of information science, computer science, and electronics engineering. The radical digitization of industry coupled with the explosion of the internet of things (IoT) has set up a paradigm shift for industrial and manufacturing companies. There exists a need for a comprehensive collection of original research of the best performing methods and state-of-the-art approaches in this area of blockchain, AI, and the industrial internet of things in this new era for industrial and manufacturing companies. Blockchain and AI Technology in the Industrial Internet of Things compares different approaches to the industrial internet of things and explores the direct impact blockchain and AI technology have on the betterment of the human life. The chapters provide the latest advances in the field and provide insights and concerns on the concept and growth of the industrial internet of things. While including research on security and privacy, supply chain management systems, performance analysis, and a variety of industries, this book is ideal for professionals, researchers, managers, technologists, security analysts, executives, practitioners, researchers, academicians, and students looking for advanced research and information on the newest technologies, advances, and approaches for blockchain and AI in the industrial internet of things. Summary of Possible Solutions for Irrigation, Municipal and Industrial Water Supply and Hydroelectric Power Cimarron River Basin, Tributary of Arkansas River (Exclusive of New Mexico) Cengage Learning Smart Technologies for Precision Assembly 9th IFIP WG 5.5 International Precision Assembly Seminar, IPAS 2020, Virtual Event, December 14–15, 2020, Revised Selected Papers Springer Nature This open access book constitutes the refereed post-conference proceedings of the 9th IFIP WG 5.5 International Precision Assembly Seminar, IPAS 2020, held virtually in December 2020. The 16 revised full papers and 10 revised short papers presented together with 1 keynote paper were carefully reviewed and selected from numerous submissions. The papers address topics such as assembly design and planning; assembly operations; assembly cells and systems; human centred assembly; and assistance methods in assembly. World Internet Development Report 2019 Blue Book for World Internet Conference, Translated by CCTB Translation Service Springer Nature This book systematically reviews world Internet development over the past 50 years, and comprehensively discusses the great contributions it has made to economic and social advances. Further, it describes the development, status and trends related to the Internet in major countries around the globe in 2019, and provides an in-depth analysis of the latest conditions, dynamics and development trends in key areas, including information infrastructure, information technology, digital economy, digital government, Internet media, cyberspace security, and international cyberspace governance. Moreover, the book further modifies and enhances the Global Internet Development Index System, in order to better show the Internet development strengths and advantages in various countries, and to reflect the global development trends more comprehensively, accurately and objectively. This book reviews the significant developments and summarizes the lessons learned as well as the future challenges. From a global perspective, it offers a vision of building a community with a shared future in cyberspace based on the new concepts, new ideas and new achievements of various countries participating in cyberspace development and construction. As such it is a valuable reference resource for anyone working in Internet related fields, such as those in government departments, internet enterprises, scientific research institutions, colleges and universities wanting to fully understand world Internet development. Digital Supply Chain and Logistics with IoT Practical Guide, Methods, Tools and Use Cases for Industry Springer The concepts for Industry 4.0 and the Industrial Internet of Things (IIoT) will fundamentally change supply chains, production processes and industries. Intelligent technologies such as IoT, edge and cloud computing, big data, artificial intelligence and digital assistance systems are drivers of this change. This book provides a comprehensive overview of IoT use cases with illustrative practical examples of how digitization or innovation projects can be successfully implemented. It takes into consideration that processes are getting more flexible and efficient, and new digital technologies allow seamless, location-independent communication in near real time between things, processes and people through the digitization of physical objects and processes. Considering these changes, the book provides a guideline on how companies should position themselves for the future with industrial IoT in order to still play a decisive role in the industry in a few years' time. The book is aimed at both decision-makers and practitioners who, on the one hand, recognize the opportunities and possibilities for their

company and, on the other hand, want to learn how to use the appropriate technologies. With this in mind it will be valuable for entrepreneurs, managers, architects and also developers in the field of Industry 4.0. Strategic Sourcing Management Structural and Operational Decision-making Kogan Page Publishers Strategic Sourcing Management examines procurement and supply management in detail, covering the three dimensions of competitiveness, effectiveness and efficiency. Written by Olivier Bruel, Professor Emeritus HEC Paris, and a team of contributing experts from academia, consulting and industry, the book is organised into four parts: strategic decisions; operational management of procurement and related supply chain; management of human resources and dedicated information systems; management of performance and change. This book has been written with a comprehensive global and coherent approach but the chapters are self-standing, enabling the reader to dip into different sections according to need. Strategic Sourcing Management considers both tactical and strategic perspectives that link with a corporate strategy and it includes dedicated chapters on how to set up a Strategic Sourcing function. The text is enriched with clear graphics and solid examples of best practice. Strategic Sourcing Management is a robust text based on both research and experience, so an essential reference for practitioners and academics working in or studying procurement and supply management. It is suitable for anyone involved in procurement and supply management at a senior level but also for general management enabling them to understand the mechanisms of value creation through Strategic Sourcing. Supply Chain Management and Logistics Innovative Strategies and Practical Solutions CRC Press Designed by practitioners for practitioners, Supply Chain Management and Logistics: Innovative Strategies and Practical Solutions provides a wide-spectrum resource on many different aspects involved in supply chain management, including contemporary applications. With contributions from leading experts from all over the world, the book includes innovative strategies and practical solutions that address problems encountered by enterprise in management of supply chain and logistics. It details general techniques and specific approaches to a broad range of important, inspiring, and unanswered questions in the field. The book is organized around four major research themes in supply chain management: 1) supply chain strategy and coordination, 2) supply chain network optimization, 3) inventory management in supply chain, and 4) financial decisions in supply chain. The sequence of these themes helps transition from an enterprise-wide framework to network design to operational management to financial aspects of the supply chain. Each individual theme also addresses the answer to a challenging question as to how to go about applying quantitative tools to real-life operations, resulting in practical solutions. As the world moves toward more competitive and open markets, effective supply chain management is of critical importance to the success or failure of an enterprise. Despite a large amount of research achieved in the past decades on the supply chain management topic, many researchers and practitioners are still devoting considerable efforts on the emerging new problems. Designed to give you a collection of topics that bridge the gap between the academic arena and industrial practice, the book supplies a contemporary and up-to-date review on the advanced theory, applications, and practices of supply chain management, making it a rich resource for the design, analysis, and implementation of supply chain management problems arising in a wide range of industries. The Biosphere and the Bioregion Essential Writings of Peter Berg Routledge Bioregionalism asks us to reimagine ourselves and the places where we live in ecological terms and to harmonize human activities with the natural systems that sustain life. As one of the originators of the concept of bioregionalism, Peter Berg (1937-2011) is a founding figure of contemporary environmental thought. The Biosphere and the Bioregion: Essential Writings of Peter Berg introduces readers to the biospheric vision and post-environmental genius of Berg. From books and essays to published interviews, this selection of writings represents Berg's bioregional vision and its global, local, urban, and rural applications. The Biosphere and the Bioregion provides a highly accessible introduction to bioregional philosophy, making Berg's paradigm available as a guiding vision and practical "greenprint" for the twenty-first century. This valuable compilation lays the groundwork for future research by offering the first-ever comprehensive bibliography of Berg's publications and should be of interest to students and scholars in the interdisciplinary fields of environmental humanities, environment and sustainability studies, as well as political ecology, environmental sociology and anthropology. Sustainable Supply Chains A Research-Based Textbook on Operations and Strategy Springer This book is primarily intended to serve as a research-based textbook on sustainable supply chains for graduate programs in Business, Management, Industrial Engineering, and Industrial Ecology, but it should also be of interest for researchers in the broader sustainable supply chain space, whether from the operations management and industrial engineering side or more from the industrial ecology and life-cycle assessment side. Finding efficient solutions towards a more sustainable supply chain is increasingly important for managers, but clearly this raise difficult questions, often without clear answers. This book aims to provide insights into these kinds of questions for students and practitioners, based on the latest academic research. Profile of the International Valve Industry: Market Prospects to 2009 Elsevier This revised and updated 3rd edition outlines the structure of the global industry and future trends, highlights issues facing the industrial valve industry, assesses market and technological trends, offers market figures and forecasts to 2009 and identifies the major players. The report also provides a detailed overview of merger and acquisition activity in the industrial valve industry since 2000. Guano and the Opening of the Pacific World A Global Ecological History Cambridge University Press This book traces the history of bird guano, demonstrating how this unique commodity helped unite the Pacific Basin with the industrialized world. Scheduling in Supply Chains Using Mixed Integer Programming John Wiley & Sons A unified, systematic approach to applying mixed integer programming solutions to integrated scheduling in customer-driven supply chains Supply chain management is a rapidly developing field, and the recent improvements in modeling, preprocessing, solution algorithms, and mixed integer programming (MIP) software have made it possible to solve large-scale MIP models of scheduling problems, especially integrated scheduling in supply chains. Featuring a unified and systematic presentation, Scheduling in Supply Chains Using Mixed Integer Programming provides state-of-the-art MIP modeling and solutions approaches, equipping readers with the knowledge and tools to model and solve real-world supply chain scheduling problems in

make-to-order manufacturing. Drawing upon the author's own research, the book explores MIP approaches and examples-which are modeled on actual supply chain scheduling problems in high-tech industries-in three comprehensive sections: Short-Term Scheduling in Supply Chains presents various MIP models and provides heuristic algorithms for scheduling flexible flow shops and surface mount technology lines, balancing and scheduling of Flexible Assembly Lines, and loading and scheduling of Flexible Assembly Systems Medium-Term Scheduling in Supply Chains outlines MIP models and MIP-based heuristic algorithms for supplier selection and order allocation, customer order acceptance and due date setting, material supply scheduling, and medium-term scheduling and rescheduling of customer orders in a make-to-order discrete manufacturing environment Coordinated Scheduling in Supply Chains explores coordinated scheduling of manufacturing and supply of parts as well as the assembly of products in supply chains with a single producer and single or multiple suppliers; MIP models for a single- or multiple-objective decision making are also provided Two main decision-making approaches are discussed and compared throughout. The integrated (simultaneous) approach, in which all required decisions are made simultaneously using complex, monolithic MIP models; and the hierarchical (sequential) approach, in which the required decisions are made successively using hierarchies of simpler and smaller-sized MIP models. Throughout the book, the author provides insight on the presented modeling tools using AMPL® modeling language and CPLEX solver. Scheduling in Supply Chains Using Mixed Integer Programming is a comprehensive resource for practitioners and researchers working in supply chain planning, scheduling, and management. The book is also appropriate for graduate- and PhD-level courses on supply chains for students majoring in management science, industrial engineering, operations research, applied mathematics, and computer science. Industrial Fabric Products Review Buyer's guide Optimal Knowledge Management: Wisdom Management Systems Concepts and Applications Wisdom Management Systems Concepts and Applications IGI Global "This book outlines a new way of approaching the development and implementation of information systems. Not only does the book explore a different approach to determining an organization's opportunities and solving its problems, but it also highlights methods for optimal decision making"--Provided by publisher. Annals of Scientific Society for Assembly, Handling and Industrial Robotics 2021 Springer Nature Miscellaneous Publication Digital Transformation in Industry Digital Twins and New Business Models Springer Nature Supply Chain Recent Advances and New Perspectives in the Industry 4.0 Era BoD – Books on Demand The Fourth Industrial Revolution has led to revolutionary changes in production and service processes. This book explains and examines the impact of Industry 4.0 technologies on supply chain solutions. It discusses the concept, design, and implementation of supply chain solutions using Industry 4.0 technologies. Chapters address such topics as supply webs, open innovation practices, lean manufacturing, the Internet of Things, green supply chain solutions, and much more. Welding: Principles and Applications Cengage Learning This proven guide provides the knowledge and skills you need to complete AWS SENSE Level I and Level II programs, create Workmanship Qualification Specimens, and earn professional certification. Advancing rapidly from basic concepts and processes to today's most complex, cutting-edge welding technologies and practices, this comprehensive text features valuable information on topics such as welding metallurgy, metal fabrication, weld testing and inspection, joint design, job costing, and environmental and conservation tips. The author opens each section by introducing you to the materials, equipment, setup procedures, and critical safety information you need to execute a specific process successfully, while subsequent chapters focus on individual welding tasks leading to SENSE certification. In addition to hundreds of new photos showcasing current welding tools and techniques, the Ninth Edition includes new and updated information on GTAW cup walking, induction welding machine operations, innovations in PAC equipment, and other industry advances you are likely to encounter as you begin your career as a welding professional. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Advances in Industry 4.0 Concepts and Applications Walter de Gruyter GmbH & Co KG This book presents the emerging technologies of Industry 4.0. It describes the growing trend towards automation and data exchange in the manufacturing industry, with a focus on the internet of things (IoT), the industrial internet of things (IIoT), cyber-physical systems (CPS), smart factories, cloud computing, cognitive computing, and artificial intelligence. Innovations in the Industrial Internet of Things (IIoT) and Smart Factory IGI Global Industrial internet of things (IIoT) is changing the face of industry by completely redefining the way stakeholders, enterprises, and machines connect and interact with each other in the industrial digital ecosystem. Smart and connected factories, in which all the machinery transmits real-time data, enable industrial data analytics for improving operational efficiency, productivity, and industrial processes, thus creating new business opportunities, asset utilization, and connected services. IIoT leads factories to step out of legacy environments and arcane processes towards open digital industrial ecosystems. Innovations in the Industrial Internet of Things (IIoT) and Smart Factory is a pivotal reference source that discusses the development of models and algorithms for predictive control of industrial operations and focuses on optimization of industrial operational efficiency, rationalization, automation, and maintenance. While highlighting topics such as artificial intelligence, cyber security, and data collection, this book is ideally designed for engineers, manufacturers, industrialists, managers, IT consultants, practitioners, students, researchers, and industrial industry professionals. Designing Internet of Things with Microsoft Azure A Survey of Secure and Smart Industrial Solutions Apress Build a strong and efficient IoT solution at industrial and enterprise level by mastering industrial IoT using Microsoft Azure. This book focuses on the development of the industrial Internet of Things (IIoT) paradigm, discussing various architectures, as well as providing nine case studies employing IoT in common industrial domains including medical, supply chain, finance, and smart homes. The book starts by giving you an overview of the basic concepts of IoT, after which you will go through the various offerings of the Microsoft Azure IoT platform and its services. Next, you will get hands-on experience of IoT applications in various industries to give you a better picture of industrial solutions and how you should take your industry forward. As you progress through the chapters, you will learn real-time applications in IoT in agriculture, supply chain, financial services, retail, and

transportation. Towards the end, you will gain knowledge to identify and analyze IoT security and privacy risks along with a detailed sample project. The book fills an important gap in the learning of IoT and its practical use case in your industry. Therefore, this is a practical guide that helps you discover the technologies and use cases for IIoT. By the end of this book, you will be able to build industrial IoT solution in Microsoft Azure with sensors, stream analytics, and serverless technologies. What You Will Learn Provision, configure, and connect devices with Microsoft Azure IoT hub Stream analytics using structural data and non-structural data such as images Use stream analytics, serverless technology, and IoT SaaS offerings Work with common sensors and IoT devices Who This Book Is For IoT architects, developers, and stakeholders working with the industrial Internet of Things. Supply Chain Configuration Concepts, Solutions, and Applications Springer This book discusses the models and tools available for solving configuration problems, emphasizes the value of model integration to obtain comprehensive and robust configuration decisions, proposes solutions for supply chain configuration in the presence of stochastic and dynamic factors, and illustrates application of the techniques discussed in applied studies. It is divided into four parts, which are devoted to defining the supply chain configuration problem and identifying key issues, describing solutions to various problems identified, proposing technologies for enabling supply chain confirmations, and discussing applied supply chain configuration problems.Its distinguishing features are: an explicit focus on the configuration problem an in-depth coverage of configuration models an emphasis on model integration and application of information modeling techniques in decision-making New to this edition is Part II: Technologies, which introduces readers to various technologies being utilized for supply chain configuration and contains two new chapters. The volume also has an added emphasis on the most recent theoretical developments and empirical findings in the area of supply chain management and related topics. This book is appropriate for professional and technical readers, including research directors, research associates, and institutions involved in both the design and implementation of logistics systems in manufacturing and service-related products. An equally appropriate audience is the academic reader, including professors, research associates, and students in industrial, manufacturing, mechanical, and automotive engineering departments, as well as engineering management, management sciences, and production and operations management. Contaminated Water Supplies at Camp Lejeune Assessing Potential Health Effects National Academies Press In the early 1980s, two water-supply systems on the Marine Corps Base Camp Lejeune in North Carolina were found to be contaminated with the industrial solvents trichloroethylene (TCE) and perchloroethylene (PCE). The water systems were supplied by the Tarawa Terrace and Hadnot Point watertreatment plants, which served enlisted-family housing, barracks for unmarried service personnel, base administrative offices, schools, and recreational areas. The Hadnot Point water system also served the base hospital and an industrial area and supplied water to housing on the Holcomb Boulevard water system (full-time until 1972 and periodically thereafter). This book examines what is known about the contamination of the water supplies at Camp Lejeune and whether the contamination can be linked to any adverse health outcomes in former residents and workers at the base. Industrial Applications of Holonic and Multi-Agent Systems 6th International Conference, HoloMAS 2013, Prague, Czech Republic, August 26-28, 2013, Proceedings Springer This book constitutes the refereed proceedings of the 6th International Conference on Industrial Applications of Holonic and Multi-Agent Systems, HoloMAS 2013, held in Prague, Czech Republic, in August 2013, in conjunction with DEXA 2013. The 25 revised full papers presented together with two invited talks were carefully reviewed and selected from 37 submissions. The papers are organized in the following topical sections: MAS in automation and manufacturing; design, simulation and validation; MAS in transportation systems; industrial applications; and new trends.