

Encyclopedia Of Organizational Knowledge Administration And Technology

Challenges in the educational arena are not new phenomena. However, with the recent outbreak of the COVID-19 pandemic, researchers and educators have been made even more aware of the need for a paradigm shift in education. Blended learning, as opposed to fully online learning or traditional face-to-face teaching, has been well-researched and has been found to have the potential to provide better educational solutions in challenging contexts. These contexts range from pandemic situations where social distancing is the order of the day to financial and time constraints regarding full-time study, as well as limited physical capacity at institutions. Blended learning solutions are often designed for resourceful institutions and cannot be easily implemented in developing countries and in communities where resources are limited. Typical issues like connectivity, accessibility, lack of suitable devices, and affordability need to be taken into consideration and in cognizance of blended learning interventions. These challenges are often neglected in blended learning research but are critical discussions to be had. *Re-Envisioning and Restructuring Blended Learning for Underprivileged Communities* shares how institutions in the developing world and less privileged communities have re-imagined and restructured blended education to enhance teaching and learning for underprivileged communities. This book aims to address blended learning solutions across institutional, program, course, and activity levels. The chapters will cover a variety of learning environments, from rural settings to less developed countries and more, and explore the programs and courses designed to improve student success and accessibility in diverse student populations. This book is ideally intended for teachers, administrators, teacher educators, practitioners, stakeholders, researchers, academicians, and students who are interested in blended learning opportunities in less-privileged settings and to underserved and marginalized populations.

Artificial neural networks (ANNs) present many benefits in analyzing complex data in a proficient manner. As an effective and efficient problem-solving method, ANNs are incredibly useful in many different fields. From education to medicine and banking to engineering, artificial neural networks are a growing phenomenon as more realize the plethora of uses and benefits they provide. Due to their complexity, it is vital for researchers to understand ANN capabilities in various fields. *The Research Anthology on Artificial Neural Network Applications* covers critical topics related to artificial neural networks and their multitude of applications in a number of diverse areas including medicine, finance, operations research, business, social media, security, and more. Covering everything from the applications and uses of artificial neural networks to deep learning and non-linear problems, this book is ideal for computer scientists, IT specialists, data scientists, technologists, business owners, engineers, government agencies, researchers, academicians, and students, as well as anyone who is interested in learning more about how artificial neural networks can be used across a wide range of fields. Current and future issues in the global accounting/consulting, business opportunity, and credit rating agency (CRA) industries can have significant multiplier-effects on international trade, sustainable growth, and compliance (as physical phenomena). These three industries are among the most international and human-capital-intensive of all service industries. In these industries, analysis of business models and industry dynamics can provide insights about how human-computer interaction (HCI) and contract theory affect the evolution of financial market ecosystems and cross-border information flows, and how business models, work-allocation mechanisms, and liability allocation can evolve to manage change. An often-overlooked issue is that non-performing loans (NPLs), sustainability, and CRA efficiency can be significantly affected by business processes, corporate strategy, and HCI in industry ecosystems, multinational corporations (MNCs), and economic systems. *Complex Systems and Sustainability in the Global Auditing, Consulting, and Credit Rating Agency Industries* compares these three industries and introduces theories of public policy and “inter-business” processes. The book links industry structure, complex systems (including networks), behavioral game theory, structural changes, and antitrust problems to sustainability and the efficiency of pollution-remediation systems. The book introduces new “informal algorithms” and business/resource-allocation models that solve social-choice problems, and also contravene “impossibility theorems” that are at the core of modern computer science and mechanism design. This book is essential for professors and masters/PhD-level students and employees (in industry, financial services, research institutes, consulting firms, and government agencies) who are interested in industrial mathematics and theoretical computer science.

ICT has had a huge impact on businesses and organizations in general, with new business models, new marketing channels, and new markets being reached using these technologies. ICT can promote new strategies and enhancers to optimize various aspects of business, but this technology also provides important tools that can empower social entrepreneurship initiatives to develop, fund, and implement new and innovative solutions to social, cultural, and environmental problems. With the upheaval caused by the COVID-19 pandemic and its subsequent impact on the economy, the methods and tools used within this field will be forever impacted. ICTs and the digital economy are huge trends that will affect organizations in several dimensions, such as how to communicate and improve performance. Thus, new perspectives and research are needed to identify the trends emerging in these fields. *The Handbook of Research on Entrepreneurship, Innovation, Sustainability, and ICTs in the Post-COVID-19 Era* broadens the exploitation of entrepreneurship, innovation, and ICTs in a global approach to draw attention to multidisciplinary perspectives of these contexts and their influence in modern organizations. In addition, the book explores and discusses, through innovative studies, case studies, systematic literature reviews, and reports, the key developments in digital entrepreneurship, circular economy and digitalization, digital business models, digital market and internationalization, digital economy, trends and challenges for organizations, digital entrepreneurial ecosystems, IS/ICT in organizations, social aspects of information systems, and more. This book is ideally intended for business managers, industry professionals, entrepreneurs, practitioners, stakeholders, researchers, academicians, and students looking for how business and organizations are going to shift and advance in the post-COVID-19 era.

In the computer science industry, high levels of performance remain the focal point in software engineering. This quest has made current systems exceedingly complex, as

practitioners strive to discover novel approaches to increase the capabilities of modern computer structures. A prevalent area of research in recent years is scalable transaction processing and its usage in large databases and cloud computing. Despite its popularity, there remains a need for significant research in the understanding of scalability and its performance within distributed databases. Handling Priority Inversion in Time-Constrained Distributed Databases provides emerging research exploring the theoretical and practical aspects of database transaction processing frameworks and improving their performance using modern technologies and algorithms. Featuring coverage on a broad range of topics such as consistency mechanisms, real-time systems, and replica management, this book is ideally designed for IT professionals, computing specialists, developers, researchers, data engineers, executives, academics, and students seeking research on current trends and developments in distributed computing and databases.

Business intelligence initiatives have been dominating the technology priority list of many organizations. However, the lack of effective information quality and governance strategies and policies has been meeting these initiatives with some challenges. Information Quality and Governance for Business Intelligence presents the latest exchange of academic research on all aspects of practicing and managing information using a multidisciplinary approach that examines its quality for organizational growth. This book is an essential reference tool for researchers, practitioners, and university students specializing in business intelligence, information quality, and information systems.

With the gradual resumption of economic activity, most businesses are facing a range of challenges associated with implementing measures to protect the health and safety of their employees. Some employers had to put certain business activities on hold and even start new ones in order to keep their organizations operating efficiently. The global COVID-19 pandemic plus digital transformation and the pressure of Industry 4.0 have challenged companies to manage their organizations in newfound ways. In the short term, they are facing enormous changes to their business plans; in the long term, they must adapt and continue to progress on their original goals. Reviving Businesses With New Organizational Change Management Strategies is a crucial reference book that analyzes the sensitivity of organizations to change management based on methodologies and tools to control impacts, to understand how employees will be impacted in their environment, and to learn how technology will help both the industry and professionals. This book also explores types of frameworks that are built for communication and business continuity, the importance of collaborative and interactive relationships for change management, and emotional factors and issues for change management. Covering topics including change management models, cybersecurity, Health 4.0, privacy and security, and information systems management, this text is essential for managers, executives, human resources managers, academicians, students, and researchers looking for successful business strategies that are leading to increased efficiency, performance, and growth.

Multinational organizations have begun to realize that sentiment mining plays an important role for decision making and market strategy. The revolutionary growth of digital marketing not only changes the market game, but also brings forth new opportunities for skilled professionals and expertise. Currently, the technologies are rapidly changing, and artificial intelligence (AI) and machine learning are contributing as game-changing technologies. These are not only trending but are also increasingly popular among data scientists and data analysts. New Opportunities for Sentiment Analysis and Information Processing provides interdisciplinary research in information retrieval and sentiment analysis including studies on extracting sentiments from textual data, sentiment visualization-based dimensionality reduction for multiple features, and deep learning-based multi-domain sentiment extraction. The book also optimizes techniques used for sentiment identification and examines applications of sentiment analysis and emotion detection. Covering such topics as communication networks, natural language processing, and semantic analysis, this book is essential for data scientists, data analysts, IT specialists, scientists, researchers, academicians, and students.

[Research Anthology on Cross-Industry Challenges of Industry 4.0](#)

[Research Anthology on Challenges for Women in Leadership Roles](#)

[Managing Intellectual Capital](#)

[Encyclopedia of Information Science and Technology, Fifth Edition](#)

[Digital Transformation of Identity in the Age of Artificial Intelligence](#)

[Encyclopedia of Organizational Knowledge, Administration, and Technology](#)

[Interdisciplinary Perspectives on Operations Management and Service Evaluation](#)

[Research Anthology on Decision Support Systems and Decision Management in Healthcare, Business, and Engineering](#)

[Handling Priority Inversion in Time-Constrained Distributed Databases](#)

"This encyclopedia is a research reference work documenting the past, present, and possible future directions of knowledge management"--Provided by publisher.

The Fourth Industrial Revolution revolves around cyber-physical systems and artificial intelligence. Little is certain about this new wave of innovation, which leaves industrialists and educators in the lurch without much guidance on adapting to this new digital landscape. Society must become more agile and place a higher emphasis on lifelong learning to master new technologies in order to stay ahead of the changes and overcome challenges to become more globally competitive. Promoting Inclusive Growth in the Fourth Industrial Revolution is a collection of innovative research that focuses on the role of formal education in preparing students for uncertain futures and for societies that are changing at great speed in terms of their abilities to drive job creation, economic growth, and prosperity for millions in the future. Featuring coverage on a broad range of topics including economics, higher education, and safety and regulation, this book is ideally designed for teachers, managers, entrepreneurs, economists, policymakers, academicians, researchers, students, and professionals in the fields of human resources, organizational design, learning design, information technology, and e-learning.

Competencies historically have been vital for skill building, and competency-based approaches have demonstrated their impact on business performance and organizational effectiveness in today's marketplace.

However, this has been discussed exclusively in chapters and books as separate propositions. It is essential to understand the two as linked together, building upon the other, merging individual and organizational perspectives of competencies development. *Building Competencies for Organizational Success: Emerging Research and Opportunities* presents a narrowly focused discussion of competency-based approaches and performance management and examines how these concepts align with business processes and procedures, management systems, and business objectives. It brings to light a new era of business performance management that complements the collaborative working of individuals and organizations to achieve business desires and addresses such topics as competent organization, knowledge management, and performance management systems. This book helps leaders, managers, executives, consultants, practitioners, academicians, researchers, and students with the understanding of how to utilize intellectual assets as well as how to develop a better future and outcomes for business and people management.

Decision support systems (DSS) are widely touted for their effectiveness in aiding decision making, particularly across a wide and diverse range of industries including healthcare, business, and engineering applications. The concepts, principles, and theories of enhanced decision making are essential points of research as well as the exact methods, tools, and technologies being implemented in these industries. From both a standpoint of DSS interfaces, namely the design and development of these technologies, along with the implementations, including experiences and utilization of these tools, one can get a better sense of how exactly DSS has changed the face of decision making and management in multi-industry applications. Furthermore, the evaluation of the impact of these technologies is essential in moving forward in the future. *The Research Anthology on Decision Support Systems and Decision Management in Healthcare, Business, and Engineering* explores how decision support systems have been developed and implemented across diverse industries through perspectives on the technology, the utilizations of these tools, and from a decision management standpoint. The chapters will cover not only the interfaces, implementations, and functionality of these tools, but also the overall impacts they have had on the specific industries mentioned. This book also evaluates the effectiveness along with benefits and challenges of using DSS as well as the outlook for the future. This book is ideal for decision makers, IT consultants and specialists, software developers, design professionals, academicians, policymakers, researchers, professionals, and students interested in how DSS is being used in different industries.

Strategic leadership techniques are the cornerstone to positive growth and prosperity within businesses and organizations. Implementing new management strategies and practices helps to ensure managers are optimizing their resources and driving innovation. *The Encyclopedia of Strategic Leadership and Management* investigates emergent administrative techniques and business practices being utilized within corporate and educational settings. Highlighting empirical research and best practices within the field, this encyclopedia will be an authoritative reference source for students, researchers, faculty, librarians, managers, and leaders across various disciplines and cultures.

Corporate governance can be considered as an environment of trust, ethics, moral values, and confidence as a synergistic effort of all the constituent parts, including stakeholders, the public, service providers, and the corporate sector. The actions of an organization and the consequences of those actions has become increasingly concerned with corporate governance. As such, it is essential to examine the latest concepts and trends that can lead to the development of effective models for corporate boards. *Transforming Corporate Governance and Developing Models for Board Effectiveness* is an essential reference source that contains forward-thinking research intended to facilitate effective, entrepreneurial, and prudent management that can deliver the long-term success of the company. The book discusses the different theories and practices surrounding boards of directors' responsibilities and innovative strategies for the governance of their companies that allow them to become and remain successful. Highlighting topics that include board diversity and independence, business ethics, and family business governance, this book is intended for corporate boards, board of directors, executives, managers, business professionals, academicians, researchers, policymakers, and students.

Provides relevant theoretical frameworks, latest empirical research findings, and practitioners' best practices in the area of organizational memory.

Successful communication can help to prevent health problems, promote healthy behaviors and lifestyles, and overcome health challenges. However, various issues have created obstacles for the promotion of health communication, including low health literacy, the reluctance of patients to admit their lack of understanding, the overestimation by health professionals of a patient's level of understanding, and insufficient health literacy tools, to name a few. It is thus essential to convey the latest communication models and practices being used to increase health literacy and provide adequate health information to society. *Health Communication Models and Practices in Interpersonal and Media Contexts: Emerging Research and Opportunities* explores and analyzes the fundamentals, models, and dimensions of health communication and offers practical solutions for better communications with direct outcomes in the optimization of citizens' health literacy. The book also discusses and proposes more effective health communication models and practices as a tool for the construction of more solid and evident health outcomes. Covering topics such as cancer prevention, health professionals' communication, and models of health communication, this text is essential for health professionals, communication professionals, professors, teachers, researchers, academicians, and students.

[Software Engineering and Algorithms](#)

[Reviving Businesses With New Organizational Change Management Strategies](#)

[Building Competencies for Organizational Success: Emerging Research and Opportunities](#)

[Corporate Leadership and Its Role in Shaping Organizational Culture and Performance](#)

[Encyclopedia of Knowledge Management, Second Edition](#)

[Encyclopedia of E-Leadership, Counseling and Training](#)

[Cases on Internationalization Challenges for SMEs](#)

[Trust in Knowledge Management and Systems in Organizations](#)

[Research Anthology on Business Aspects of Cybersecurity](#)

Optimization and evaluation are essential to the operations of several sectors such as the healthcare sector and the agriculture industry. Improvement of optimizations and evaluation are imperative for industry success and ensures that better services are provided to global consumers across sectors. *Interdisciplinary Perspectives on Operations Management and Service Evaluation* is a critical scholarly publication that focuses on operations management across several sectors and assessment strategies for the improvement of these industries. Featuring a range of topics such as fuzzy logic, ecosystem services, and metaheuristics, this book is ideal for managers, service evaluators, marketers, academicians, business professionals, researchers, practitioners, and students.

Information and records management has been an important part of society for establishing procedures to effectively manage information. As technology has increased in society, this essential function has been impacted as well. With the onset of technological tools brought upon by the fourth industrial revolution, technologies such as artificial intelligence, the internet of things, big data, and more have changed the face of information and records management. These technologies and tools have paved new ways for security, efficiency in timely processes, new ways to create and process records, and other beneficial traits. Along with these advancements come new contemporary issues, leading to the need for research on how exactly information records management is functioning in modern times, the technologies brought on by the fourth industrial revolution, and both the benefits and challenges to this transition. The Handbook of Research on Information and Records Management in the Fourth Industrial Revolution showcases contemporary issues and demonstrates the value of information and records management in the fourth industrial revolution. The book provides a summary of the key activities undertaken by information and records managers as they seek to make records and information management more visible in the modern knowledge-driven society. The chapters highlight innovation, the use of information and communication technology in information and records management, best practices, challenges encountered, and how they are overcome. The target audience of this book will be composed of professionals, librarians, archivists, lecturers, and researchers working in the field of library and information science, along with practitioners, academicians, and students interested in information and records management in the 21st century.

As Industry 4.0 brings on a new bout of transformation and fundamental changes in various industries, the traditional manufacturing and production methods are falling to the wayside. Industrial processes must embrace modern technology and the most recent trends to keep up with the times. With “smart factories”; the automation of information and data; and the inclusion of IoT, AI technologies, robotics, and cloud computing comes new challenges to tackle. These changes are creating new threats in security, reliability, the regulations around legislation and standardization of technologies, malfunctioning devices or operational disruptions, and more. These effects span a variety of industries and need to be discussed. Research Anthology on Cross-Industry Challenges of Industry 4.0 explores the challenges that have risen as multidisciplinary industries adapt to the Fourth Industrial Revolution. With a shifting change in technology, operations, management, and business models, the impacts of Industry 4.0 and digital transformation will be long-lasting and will forever change the face of manufacturing and production. This book highlights a cross-industry view of these challenges, the impacts they have, potential solutions, and the technological advances that have brought about these new issues. It is ideal for mechanical engineers, electrical engineers, manufacturers, supply chain managers, logistics specialists, investors, managers, policymakers, production scientists, researchers, academicians, and students looking for cross-industry research on the challenges associated with Industry 4.0.

Cybersecurity is vital for all businesses, regardless of sector. With constant threats and potential online dangers, businesses must remain aware of the current research and information available to them in order to protect themselves and their employees. Maintaining tight cybersecurity can be difficult for businesses as there are so many moving parts to contend with, but remaining vigilant and having protective measures and training in place is essential for a successful company. The Research Anthology on Business Aspects of Cybersecurity considers all emerging aspects of cybersecurity in the business sector including frameworks, models, best practices, and emerging areas of interest. This comprehensive reference source is split into three sections with the first discussing audits and risk assessments that businesses can conduct to ensure the security of their systems. The second section covers training and awareness initiatives for staff that promotes a security culture. The final section discusses software and systems that can be used to secure and manage cybersecurity threats. Covering topics such as audit models, security behavior, and insider threats, it is ideal for businesses, business professionals, managers, security analysts, IT specialists, executives, academicians, researchers, computer engineers, graduate students, and practitioners.

In organizations today, knowledge on how to manage in a green environment is of a particular emphasis and is an important discussion topic amongst academics, researchers, and managers. Undertakings such as sustainability, not only in an environmental perspective but also in an organizational perspective; recycling; re-use; low costs; waste reduction; and high productivity are only some, among many others, that require a break in traditional management paradigms. Present organizations need to be managed with different models where innovation and change are key words as they drive the organization to success. At this level, green management appears as a new way to manage and understand organizations, making them more strategic and competitive in the markets where they are and where they will be in the future. Advances in Intelligent, Flexible, and Lean Management and Engineering introduces the newest models, theories, and tools along with the practices, policies, and strategies for management and engineering. This book reflects on the experiences and thoughts about the state-of-the-art research in the green management and engineering fields, as well as the future direction of this scope of research. It covers important topics such as green transformational leadership, artificial intelligence, production models, sustainable factories, and more. This book is an essential resource tool for engineers, executives, managers, economists, practitioners, researchers, academicians, and students looking for information on the advances in management and engineering for businesses.

The International Encyclopedia of Organization Studies is the definitive description of the field, spanning individual, organizational, societal, and cultural perspective in a cross-disciplinary manner. It is the premier reference tool for students, educators, scholars, and practitioners to gather knowledge about a range of important topics from the unique perspective of organization studies with extensive international representation. The Encyclopedia is thoroughly cross-referenced, and entries are based around a series of broad themes. Editors Stewart R. Clegg and James R. Bailey bring together a team of international contributors from the fields of

management, psychology, sociology, communications, education, political science, public administration, anthropology, law, and other related areas. The internet of things (IoT) has drawn great attention from both academia and industry, since it offers a challenging notion of creating a world where all things around us are connected to the internet and communicate with each other with minimal human intervention. Another component for helping IoT to succeed is cloud computing. The combination of cloud computing and IoT will enable new monitoring services and powerful processing of sensory data streams. These applications, alongside implementation details and challenges, should also be explored for successful mainstream adoption. IoT is also fueled by the advancement of digital technologies, and the next generation era will be cloud-based IoT systems. Integration and Implementation of the Internet of Things Through Cloud Computing studies, analyzes, and presents cloud-based IoT-related technologies, protocols, and standards along with recent research and development in cloud-based IoT. It also presents recent emerging trends and technological advances of cloud-based IoT, innovative applications, and the challenges and implications for society. The chapters included take a strong look at the societal and social aspects of this technology along with its implementations and technological analyses. This book is intended for IT specialists, technologists, practitioners, researchers, academicians, and students who are interested in the next era of IoT through cloud computing. Provides ideas on how intellectual capital through emerging technologies can support business performance. Covers topics such as competitive strategy, human resource management, and organizational learning.

[Handbook of Research on Multidisciplinary Perspectives on Managerial and Leadership Psychology](#)

[Complex Systems and Sustainability in the Global Auditing, Consulting, and Credit Rating Agency Industries](#)

[Promoting Inclusive Growth in the Fourth Industrial Revolution](#)

[Handbook of Research on Recent Perspectives on Management, International Trade, and Logistics](#)

[Proceedings of 10th Computer Science On-line Conference 2021, Vol. 1](#)

[International Encyclopedia of Organization Studies](#)

[Integration and Implementation of the Internet of Things Through Cloud Computing](#)

[Handbook of Research on Entrepreneurship, Innovation, Sustainability, and ICTs in the Post-COVID-19 Era](#)

[Handbook of Research on Information and Records Management in the Fourth Industrial Revolution](#)

This book examines the digital transformation of identity in the age of artificial intelligence. It articulates the nature of identity of human beings, based on cutting-edge knowledge in the field of AI and big-data sciences, and discusses identity by drawing on comprehensive investigations in digital social sciences and exploring wider disciplines related to philosophy, ethics, sociology, STS, computer sciences, engineering, and medical sciences. Reviewing contemporary conditions proliferated by advanced technological trends and unveiling social mechanisms of human identity, this book appeals to undergraduate and graduate students as well as academic researchers.

The subject of leadership and managerial psychology exists as a sub-branch of psychology within the fields of industrial and organizational psychology. There still appears to be ongoing debate regarding the core pathology for gaining managerial expertise in professional roles relative to having suitable leadership skills and managerial knowledge beyond the direct daily work involved in organizations. Professional organizations inherently include varied levels of sensitive human interactions, which further necessitates their management professionals to have leadership styles that are adjustable contingent on a given situation. Relative to this edited book, managerial psychology is being utilized in a way that may subsequently seek to develop a series of scientific theory principles where the focus is to develop managerial axioms that advance contemporary existing knowledge surrounding professional management logic. The Handbook of Research on Multidisciplinary Perspectives on Managerial and Leadership Psychology provides value uncovered by a collaboration of generalists and specialists who bring professional managerial and leadership opinions to light through narratives and research inclusive of fundamental theory principles that can be applied in practice and academia. This edited reference is focused on the enhancement of management research through managerial psychology while highlighting topics including business process knowledge, management in diverse discipline situations and professions, corporate leadership responsibility, leadership of self and others, and leadership psychology in a variety of different fields of work. This book is ideally designed for leadership and management professionals, academicians, students, and researchers in the fields of knowledge management, administrative sciences and management, leadership development, education, and organization development sub-branches or specialty practices.

Increasing globalization, cutthroat competition, recurrent financial crises, and new social media technology provide unimaginable strain on companies to rethink their human resources practices. Such ever-growing business environments particularly call upon companies to develop sustainable leadership practices and create a well-established organizational climate. By promoting an organizational value system, the leader can influence the work behavior and attitudes of the employees and results. Corporate Leadership and Its Role in Shaping Organizational Culture and Performance is an essential reference source that investigates the influence of corporate leadership on the organizational culture and performance of a company and ways in which this understanding can improve firm effectiveness, nurture entrepreneurial behavior and practices, and establish innovative processes. Featuring research on topics such as intellectual capital, job satisfaction, and gender inequality, this book is ideally designed for managers, executives, business leaders, entrepreneurs, researchers, academicians, and students.

"This set of books represents a detailed compendium of authoritative, research-based entries that define the contemporary state of knowledge on technology"--Provided by publisher.

Trust in Knowledge Management and Systems in Organizations highlights the complexity of the invisible phenomenon of trust challenged by the global economy. The book includes fresh insights, novel theoretical frameworks, and empirical results and ideas for future research. The eleven chapters explore the multidisciplinary nature of the concepts of trust and KM. The concept of trust is analyzed by presenting its extensive description in relation to knowledge and information-intensive activities and systems.

"This book focuses on what qualities distinguish between First-Time Leadership and traditional leaders, while furthering leadership theories that look at other variables such as situational factors, knowledge

base, skill levels, etc"--

The rise of intelligence and computation within technology has created an eruption of potential applications in numerous professional industries. Techniques such as data analysis, cloud computing, machine learning, and others have altered the traditional processes of various disciplines including healthcare, economics, transportation, and politics. Information technology in today's world is beginning to uncover opportunities for experts in these fields that they are not yet aware of. The exposure of specific instances in which these devices are being implemented will assist other specialists in how to successfully utilize these transformative tools with the appropriate amount of discretion, safety, and awareness. Considering the level of diverse uses and practices throughout the globe, the fifth edition of the Encyclopedia of Information Science and Technology series continues the enduring legacy set forth by its predecessors as a premier reference that contributes the most cutting-edge concepts and methodologies to the research community. The Encyclopedia of Information Science and Technology, Fifth Edition is a three-volume set that includes 136 original and previously unpublished research chapters that present multidisciplinary research and expert insights into new methods and processes for understanding modern technological tools and their applications as well as emerging theories and ethical controversies surrounding the field of information science. Highlighting a wide range of topics such as natural language processing, decision support systems, and electronic government, this book offers strategies for implementing smart devices and analytics into various professional disciplines. The techniques discussed in this publication are ideal for IT professionals, developers, computer scientists, practitioners, managers, policymakers, engineers, data analysts, and programmers seeking to understand the latest developments within this field and who are looking to apply new tools and policies in their practice. Additionally, academicians, researchers, and students in fields that include but are not limited to software engineering, cybersecurity, information technology, media and communications, urban planning, computer science, healthcare, economics, environmental science, data management, and political science will benefit from the extensive knowledge compiled within this publication.

"This book investigates what effects the USA and China have on supporting the healthcare needs in developing countries and how Africa has become a battleground of soft diplomacy in the international healthcare arena"--

[New Opportunities for Sentiment Analysis and Information Processing](#)

[Re-Envisioning and Restructuring Blended Learning for Underprivileged Communities](#)

[Knowledge Ecology in Global Business: Managing Intellectual Capital](#)

[Building Organizational Memories: Will You Know What You Knew?](#)

[Transitioning Healthcare Support in Developing Countries from the US to China](#)

[Advances in Intelligent, Flexible, and Lean Management and Engineering](#)

[Encyclopedia of Strategic Leadership and Management](#)

[Will You Know What You Knew?](#)

[Transforming Corporate Governance and Developing Models for Board Effectiveness](#)

Knowledge Management has evolved into one of the most important streams of management research, affecting organizations of all types at many different levels. The Encyclopedia of Knowledge Management, Second Edition provides a compendium of terms, definitions and explanations of concepts, processes and acronyms addressing the challenges of knowledge management. This two-volume collection covers all aspects of this critical discipline, which range from knowledge identification and representation, to the impact of Knowledge Management Systems on organizational culture, to the significant integration and cost issues being faced by Human Resources, MIS/IT, and production departments. In this era of globalization, entrepreneurship and its implications on international trade and supply chain management are becoming more critical. In today's change-oriented and complex business environment, both entrepreneurs and managers need to keep up with the latest developments around them. With the help of globalization, it is getting more attractive for entrepreneurs to generate innovative ideas to run business both nationally and internationally. Competitive advantages and the key for sustainable growth for globally founded institutions lies behind effective supply chain management originating from a single idea about establishing a company and the process to the end goal of reaching consumers. This focus on entrepreneurship, business, and supply chain comes at a time when rapid technological advances are continually being made. The Handbook of Research on Recent Perspectives on Management, International Trade, and Logistics reveals the latest data based on research on the issues of entrepreneurship, innovation, contemporary management techniques, and global supply chain management. Chapters include topics such as the effective management of the supply chain, supply chain modeling, e-business solutions, digitalizing the supply chain process, e-business applications, and more. This book is ideal for managers, executives, supply chain specialists, entrepreneurs, business professionals, researchers, academicians, and students interested in the latest findings in international trade, management, logistics, and business.

With the globalization process, firms are seeking to expand their activities to international markets but are also "feeling" expanded competition from abroad. Small and medium-sized enterprises (SMEs), though seeking to expand abroad, have particularities that hinder their natural international expansion path due to particular barriers and challenges that most multinational firms have already overcome. Cases on Internationalization Challenges for SMEs provides a set of case studies on the internationalization of SMEs in order to share the latest empirical research findings in the field of internationalization in the context of a globalized world, and which considers a highly competitive international business setting. This includes examining the main reasons for the success or failure of the process of internationalization of SMEs and their inherent activities. Covering topics that include competitive advantage, export performance, and inward internationalization, this book targets managers, executives, and entrepreneurs concerned with how to adapt their companies to a fast-changing international business environment, how to conduct internationalization strategies, how to choose the most adequate international entry modes, and how to adapt their products and strategies to international markets. It is also suited for academicians, researchers, and students in the field of management.

The role of women in the workplace has rapidly advanced and changed within the previous decade, leading to a current position in which women are taking over leadership roles and being offered these positions more than ever before. However, a gap still exists with the representation of women in the workforce especially in power positions and roles of authority in organizations. While the representation of women in leadership roles is impressive and exciting for the future, women still face many challenges when taking over these

positions of power and face many issues related to gender inclusivity. There is also still gender bias and discrimination against women who have been given the opportunity to become authority figures. It is essential to acknowledge and discuss these critical issues and challenges that women in leadership roles must handle to better understand the current climate of gender roles across various industries and types of leadership. The Research Anthology on Challenges for Women in Leadership Roles discusses the role of women in positions of authority across diverse industries and businesses. By reviewing the biases, struggles, discrimination, and overall challenges of being a woman in a powerful role, women leaders can be better understood for their role in a male-dominated world. This includes topics of concern such as equal treatment, proper implementation of women's policies, social justice activism, discrimination, and sexual harassment in the workplace, and the importance of diversity and empowerment of women in leadership positions with chapters pertaining specifically to African-American, Hispanic, Asian, and Middle Eastern women. This book is ideal for professionals, researchers, managers, executives, leaders, academicians, sociologists, policymakers, and students in fields that include humanities, social sciences, women's studies, gender studies, business management, management science, health sciences, educational studies, and political sciences.

For any organization to be successful, it must operate in such a manner that knowledge and information, human resources, and technology are continually taken into consideration and managed effectively. Business concepts are always present regardless of the field or industry - in education, government, healthcare, not-for-profit, engineering, hospitality/tourism, among others. Maintaining organizational awareness and a strategic frame of mind is critical to meeting goals, gaining competitive advantage, and ultimately ensuring sustainability. The Encyclopedia of Organizational Knowledge, Administration, and Technology is an inaugural five-volume publication that offers 193 completely new and previously unpublished articles authored by leading experts on the latest concepts, issues, challenges, innovations, and opportunities covering all aspects of modern organizations. Moreover, it is comprised of content that highlights major breakthroughs, discoveries, and authoritative research results as they pertain to all aspects of organizational growth and development including methodologies that can help companies thrive and analytical tools that assess an organization's internal health and performance. Insights are offered in key topics such as organizational structure, strategic leadership, information technology management, and business analytics, among others. The knowledge compiled in this publication is designed for entrepreneurs, managers, executives, investors, economic analysts, computer engineers, software programmers, human resource departments, and other industry professionals seeking to understand the latest tools to emerge from this field and who are looking to incorporate them in their practice. Additionally, academicians, researchers, and students in fields that include but are not limited to business, management science, organizational development, entrepreneurship, sociology, corporate psychology, computer science, and information technology will benefit from the research compiled within this publication.

Encyclopedia of E-Leadership, Counseling and Training offers an in-depth description of key terms and concepts related to different themes, issues, and trends in educational leadership, counseling, and technology integration in modern universities and organizations worldwide. This three volume work serves as an exhaustive compendium of expertise, research, skills, and experiences. Authors with a background in education, leadership, counseling, management, human resource development, or adult education have helped to encourage the education and training of potential leaders with this scholarly work.

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