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LEADING DIGITAL

TURNING TECHNOLOGY INTO BUSINESS TRANSFORMATION

Harvard Business Press "Leading Digital makes the provocative argument that the next imminent phase of digital technology adoption - driven by the convergence of mobility, analytics, social media, cloud computing, and embedded devices - will make everything that's happened so far look like a prelude. The authors, a trio of highly regarded thought leaders on corporate digital transformation, say changes in the digital realm so far have focused on high tech and media companies - but there's still a whopping 94% of the business economy that needs to change. This book will show them how. George Westerman of MIT, Didier Bonnet of Capgemini Consulting, and Andrew McAfee, also at MIT,

say there is opportunity for these businesses to learn from those that have already mastered the digital landscape. Based on a study of more than 400 large, mainstream firms in every industry around the globe, the authors usefully break down how these organizations have used their own digital transformation to gain strategic, competitive advantage. Readers will learn how these digital leaders have transformed their businesses through smart and rigorous digital investments, and through smart and effective leadership of the change. **Leading Digital** offers practical, real-life tested frameworks that can be instantly applied. Case studies include Nike, Caesars, Burberry, Asian Paints, Pages Jaunes, Codelco, and more"--

DIGITAL TRANSFORMATION NOW!

GUIDING THE SUCCESSFUL DIGITALIZATION OF YOUR BUSINESS MODEL

Springer Is digitalization a value-added approach? Global leaders believe so, and this book reveals how to digitally transform your business model and compete in today's economy. It presents a roadmap consisting of five phases; Digital Reality, Digital Ambition, Digital Potential, Digital Fit, and Digital Implementation, each with step-by-step instructions as well as innovative activities and tools. This is a timely book offering professionals a concise, tried-and-trusted guide to the digital transformation of business models.

THE DIGITAL TRANSFORMATION OF SMES

Org. for Economic Cooperation & Development

GET FIT FOR DIGITAL BUSINESS

A SIX-STEP WORKOUT PLAN TO GET YOUR ORGANISATION IN GREAT SHAPE TO THRIVE IN A CONNECTED COMMERCIAL WORLD.

Routledge Is your organisation in good shape for today's digital world? Has it effectively changed the way it works to keep up with the new connected consumer? Or is it still stuck on the digital business basics, losing relevance and falling behind in the race for customers? **Get Fit for Digital Business** will help you to assess where you are now, where you need to go and how you can get there. Leaning on two decades of business transformation experience, Rob Laurens describes the difference between just doing digital and being digital. He provides a practical six-step process

that any leader can use to accelerate change, seize the opportunities and counter the threats that digital technology brings. This is people-first business transformation for the real world; the way to build core strength, speed and agility throughout your organisation. Free from digital jargon and corporate gobbledegook, it's a complete framework for leaders who don't have time for an MBA in digital business - but who do want to get their teams in great shape to survive and thrive in a digital world. *Get Fit for Digital Business* will help you to create an enterprise that is not just more productive and profitable, but also happier and healthier - leaving you and your team feeling and performing better in every department.

BUSINESS TRANSFORMATIONS IN THE ERA OF DIGITALIZATION

IGI Global In order to establish and maintain a successful company in the digital age, managers are digitally transforming their organizations to include such tools as disruptive technologies and digital data to improve performance and efficiencies. As these companies continue to adopt digital technologies to improve their businesses and create new revenues and value-producing opportunities, they must also be aware of the challenges digitalization can present. *Business Transformations in the Era of Digitalization* is a collection of innovative research on the latest trends, business opportunities, and challenges in the digitalization of businesses. Highlighting a range of topics including business-IT alignment, cloud computing, Internet of Things (IoT), business sustainability, small and medium-sized enterprises, and digital entrepreneurship, this book is ideally designed for managers, professionals, consultants, entrepreneurs, and researchers.

SHOCK OF THE NEW

THE CHALLENGE AND PROMISE OF EMERGING TECHNOLOGIES

American Society for Training and Development Find the Leading Edge in a Disrupted World. Planning our response to disruption seems impossible. Most new and emerging technologies have been in development for decades, but as soon as they land on our doorstep, they inspire "the shock of the new." How do you, as a learning professional, prepare for what you don't know is coming? How do you judge what is important and what is just a fad? In *Shock of the New: The Challenge and Promise of Emerging Learning Technologies*, Chad Udell and Gary Woodill create a new framework for anticipating emerging learning technologies, outlining six key perspectives you should consider with any new technology. They examine some of the day's most commonly discussed emerging technologies and pose the questions

that will point the way to your own strategy. These insights aren't limited to specific applications; they give you an approach you can apply to any new tech coming your way, so you're always braced for the shock of the new. Udell and Woodill optimistically point out that emerging technologies will help us make sense of our increasingly complex world; many more changes will occur over the next decade, so buckle up! What was once science fiction has just become real—and now is your opportunity to be on the leading edge.

MANAGING DIGITAL TRANSFORMATION

UNDERSTANDING THE STRATEGIC PROCESS

Routledge This book provides practising executives and academics with the theories and best practices to plan and implement the digital transformation successfully. Key benefits: an overview on how leading companies plan and implement digital transformation interviews with chief executive officers and chief digital officers of leading companies - Bulgari, Deutsche Bahn, Henkel, Lanxess, L'Oréal, Unilever, Thales and others - explore lessons learnt and roadmaps to successful implementation research and case studies on the digitalization of small and medium-sized companies cutting-edge academic research on business models, organizational capabilities and performance implications of the digital transformation tools and insights into how to overcome internal resistance, build digital capabilities, align the organization, develop the ecosystem and create customer value to implement digital strategies that increase profits Managing Digital Transformation is unique in its approach, combining rigorous academic theory with practical insights and contributions from companies that are, according to leading academic thinkers, at the forefront of global best practice in the digital transformation. It is a recommended reading both for practitioners looking to implement digital strategies within their own organisations, as well as for academics and postgraduate students studying digital transformation, strategy and marketing.

DIGITAL BUSINESS TRANSFORMATION

ORGANIZING, MANAGING AND CONTROLLING IN THE INFORMATION AGE

Springer Nature The recent surge of interest in “digital transformation” is changing the business landscape and posing several challenges, both organizational and sectoral. This transformation involves the application of digital technology in all aspects of business, and enables organizations to create new products and services, and to find more efficient

ways of doing business. Moreover, the digital transformation is happening within and across organizations of all types and in every industry, producing a disruptive innovation that can break down the barriers between people and organizations, and help create more adaptive processes. In the information age, it is imperative for organizations to develop IT-related capabilities that allow them to leverage the potential of digital technologies. Due to the pervasive effects of this transformation on processes, firms and industries, both scholars and practitioners are interested in better understanding the key mechanisms behind the emergence and evolution of the digital business transformation. This book presents a collection of research papers focusing on the relationships between technologies (e.g., digital platforms, AI, blockchain, etc.), processes (e.g., decision-making, co-creation, financial, compliance, etc.), and organizations (e.g., smart organizations, digital ecosystems, Industry 4.0, collaborative networked organizations, etc.), which have been categorized into three major areas: organizing, managing and controlling. It also provides critical insights into how the digital transformation is enhancing organizational processes and firms' performance through an exploration and exploitation of internal resources, and through the establishment of external connections and linkages. The plurality of views offered makes this book particularly relevant for users, companies, scientists, and governments. The content of the book is based on a selection of the best papers (original double-blind peer-reviewed contributions) presented at the annual conference of the Italian chapter of the AIS, which was held in Naples, Italy in September 2019.

IMPACT OF DIGITAL TRANSFORMATION ON THE DEVELOPMENT OF NEW BUSINESS MODELS AND CONSUMER EXPERIENCE

IGI Global In a highly competitive market, digital transformation with internet of things, artificial intelligence, and other innovative technological trends are elements of differentiations and are important milestones in business development and consumer interaction, particularly in services. As a result, there are several new business models anchored in these digital and technological environments and new experiences provided to services consumers and firms that need to be examined. Impact of Digital Transformation on the Development of New Business Models and Consumer Experience provides relevant theoretical and empirical research findings and innovative and multifaceted perspectives on how digital transformation and other innovative technologies can drive new business models and create valued experiences for consumers and firms. Covering topics such as business models, consumer behavior, and gamification, this publication is ideal for industry professionals, managers, business owners, practitioners,

researchers, professors, academicians, and students.

DIGITAL AGE: CHANCES, CHALLENGES AND FUTURE

Springer This proceedings book presents the outcomes of the VII International Scientific Conference “Digital Transformation of the Economy: Challenges, Trends, New Opportunities”, which took place in Samara, Russian Federation, on April 26-27, 2019. Organized by the Samara State University of Economics, the conference chiefly focused on digital economy issues, such as theoretical preconditions for the development of economic systems in the digital age and specific practical issues related to real-world business practice. Consisting of six chapters corresponding to the thematic areas of the conference, and written by scientists and practitioners from different regions of Russia, Kazakhstan, the Czech Republic and Germany, the book offers answers to the most pressing questions for today’s business community: - How is our world changing under the influence of digital technology? - Is sustainable economic development a myth or reality in the context of digitalization? - What threats and opportunities does digitalization bring? - What are realities and prospects of digitalization in the context of business practice? - How do we create a digital infrastructure for the economy? - How should the legal environment of the economy be transformed in the context of digitalization? The conclusions and recommendations presented are not recipes for solving the existing economic problems, but instead are intended for use in further research on transformation processes in the economy and in the development of state economic policies in various countries and regions.

DIGITAL TRANSFORMATION IN BUSINESS AND SOCIETY

THEORY AND CASES

Springer Nature The digital traces that people leave behind as they conduct their daily lives provide a powerful resource for businesses to better understand the dynamics of an otherwise chaotic society. Digital technologies have become omnipresent in our lives and we still do not fully know how to make the best use of the data these technologies could harness. Businesses leveraging big data appropriately could definitely gain a sustainable competitive advantage. With a balanced mix of texts and cases, this book discusses a variety of digital technologies and how they transform people and organizations. It offers a debate on the societal consequences of the yet unfolding technological revolution and proposes alternatives for harnessing disruptive technologies for the greater benefit of all. This book will have wide appeal to academics in technology management, strategy, marketing, and human resource

management.

SHAPING THE DIGITAL ENTERPRISE

TRENDS AND USE CASES IN DIGITAL INNOVATION AND TRANSFORMATION

Springer This book sheds light on cross-industry and industry-specific trends in today's digital economy. Prepared by a group of international researchers, experts and practitioners under the auspices of SAP's Digital Thought Leadership & Enablement team within SAP's Business Transformation Services (BTS) unit, the book furthermore presents relevant use cases in digital transformation and innovation. The book argues that breakthrough technologies have matured and hit scale together, enabling five defining trends: hyper-connectivity, supercomputing, cloud computing, a smarter world, and cyber security. It presents in detail how companies are now reimagining their products and services, business models and processes, showcasing how every business today is a digital business. Digitalization, defined as the process of moving to a digital business, is no longer a choice but an imperative for all businesses across all industries and regions. Taking a step toward becoming a digital enterprise is demanding and challenging. The dimensions of customer centricity, leadership and strategy, business models, including offerings (products and services), processes, structure and governance, people and skills, culture, and technology foundation can serve as orientation for digitalization. The articles in this book touch on all dimensions of this digital innovation and transformation framework and offer possible answers to some of the pressing questions that arise when practitioners seek to digitalize their business.

DELIVERING DIGITAL TRANSFORMATION

A MANAGER'S GUIDE TO THE DIGITAL REVOLUTION

De Gruyter Oldenbourg Deliver on your digital transformation by learning from the insights and experiences from organizations adapting their approaches to life in the digital world. Business leaders, industry strategists, academics, and policy makers are all scrambling to make sense of digital transformation, and to define strategies for success in our increasingly digital economy. This book provides today's leaders, managers, and practitioners with the tools for understanding, leading, and delivering in the digital age. »What I see here is an excellent survey of the best thinking on Digital Transformation. It's a book I wish I had written.« Brad Power, Process Innovator »A clear and crisply written

guide for any manager considering delivering digital transformation who would like a digestible introduction to key technology trends, organisational and social impact as well as a glimpse of the future.« Petrina Steele, Equinix »A thoroughly enjoyable read. A great synthesis of many different sources that I'm sure will be an invaluable guide for managers.« Richard Sargeant, faculty.ai

ACHIEVING BUSINESS COMPETITIVENESS IN A DIGITAL ENVIRONMENT

OPPORTUNITIES IN E-COMMERCE AND ONLINE MARKETING

Springer Nature The COVID-19 pandemic has been a very strong reminder that the future economic development of any country is more than ever influenced by its ability to ramp-up digital competitiveness. Consequently, enterprises were pushed to assess and develop the possibilities offered by e-commerce and online marketing tools. In this book, experts outline the prerequisites for such online marketing competitiveness and compare the current level of digital marketing competitiveness in Europe by using publicly available macro and micro-level data. The authors present their analyses and recommendations including interviews with over 125 online marketers and e-commerce specialists and present the lessons from digitalization of over 600 SMEs.

HANDBOOK OF RESEARCH ON ENTREPRENEURSHIP, INNOVATION, SUSTAINABILITY, AND ICTS IN THE POST-COVID-19 ERA

IGI Global 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.

HANDBOOK OF RESEARCH ON DIGITAL TRANSFORMATION, INDUSTRY USE CASES, AND THE IMPACT OF DISRUPTIVE TECHNOLOGIES

IGI Global Companies from various sectors of the economy are confronted with the new phenomenon of digital transformation and are faced with the challenge of formulating and implementing a company-wide strategy to incorporate what are often viewed as “disruptive” technologies. These technologies are sometimes associated with significant and extremely rapid change, in some cases with even the replacement of established business models. Many of these technologies have been deployed in unison by leading-edge companies acting as the catalyst for significant process change and people skills enhancement. The Handbook of Research on Digital Transformation, Industry Use Cases, and the Impact of Disruptive Technologies examines the phenomenon of digital transformation and the impact of disruptive technologies through the lens of industry case studies where different combinations of these new technologies have been deployed and incorporated into enterprise IT and business strategies. Covering topics including chatbot implementation, multinational companies, cloud computing, internet of things, artificial intelligence, big data and analytics, immersive technologies, and social media, this book is essential for senior management, IT managers, technologists, computer scientists, cybersecurity analysts, academicians, researchers, IT consultancies, professors, and students.

MOVING BUSINESSES ONLINE AND EMBRACING E-COMMERCE: IMPACT AND OPPORTUNITIES CAUSED BY COVID-19

IMPACT AND OPPORTUNITIES CAUSED BY COVID-19

IGI Global The COVID-19 pandemic caused global shock to the entire economic system. As a result of the government

restrictions, both production and distribution channels were interrupted. In this situation, however, it was possible to observe that some companies were able to adapt to these new conditions. The demand for the possibility of translating physical business into virtual increased. The COVID-19 restrictions showed that many entrepreneurs do not have enough knowledge about the available online tools and possibilities. Given that the digital transformation of business today often consists only of incorporating existing tools into existing processes, transition to e-commerce could be made easily and quickly. **Moving Businesses Online and Embracing E-Commerce: Impact and Opportunities Caused by COVID-19** analyzes the impact of COVID-19-related restrictions on business models of enterprises affected most by these restrictions and examines transformational changes induced by the accelerated adoption of internet technologies and transition to e-commerce-based business models. Covering topics such as customer relationship management (CRM), small and medium enterprises (SMEs), and customer loyalty, this book serves as an essential resource for business owners, CEOs, managers, IT consultants, web developers, students, professors, entrepreneurs, researchers, industry professionals, and academicians.

RESEARCH CHALLENGES IN INFORMATION SCIENCE

15TH INTERNATIONAL CONFERENCE, RCIS 2021, LIMASSOL, CYPRUS, MAY 11-14, 2021, PROCEEDINGS

Springer Nature This book constitutes the proceedings of the 15th International Conference on Research Challenges in Information Sciences, RCIS 2021, which was planned to take place in Limassol, Cyprus, but had to change to an online event due to the COVID-19 pandemic. The conference took place virtually during May 11-14, 2021. It focused on the special theme "Information Science and Global Crisis". The scope of RCIS is summarized by the thematic areas of information systems and their engineering; user-oriented approaches; data and information management; business process management; domain-specific information systems engineering; data science; information infrastructures, and reflective research and practice. The 29 full papers and 6 work-in-progress papers presented in this volume were carefully reviewed and selected from 99 submissions. They were organized in topical sections named: **Business and Industrial Processes, Information Security and Risk Management, Data and Information Management, Domain-specific Information Systems Engineering, User-Centered Approaches, Data Science and Decision Support, and Information Systems and Their Engineering.** The volume also contains 13 poster and demo papers, and 4 doctoral consortium papers. In addition, two-page summaries of tutorials and research project papers can be found in the back matter.

INNOVATION THROUGH INFORMATION SYSTEMS

VOLUME III: A COLLECTION OF LATEST RESEARCH ON MANAGEMENT ISSUES

Springer Nature

FAST TIMES

HOW DIGITAL WINNERS SET DIRECTION, LEARN, AND ADAPT

An expert guide for senior executives who want to quickly understand what really matters in digital business and what it takes to win. Today's technology demands lightning-fast changes. But speed without purpose is not progress. In *Fast Times*, McKinsey leaders cut through the hype to provide a readable inside look into what digital winners do best: set direction, learn, and adapt faster than anyone else. For executives frustrated with their pace of change, *Fast Times* digs into the root questions that shine a light on the issues that keep companies like yours from setting direction, learning, and adapting: Do you really know how your company is performing? How do you make it safe for people to experiment so you can build a proactive culture? How do you balance fast execution with deliberate decision-making? Are your training programs up to the challenge of reskilling the talent you need tomorrow? Do your IT people have the skills needed to build the tech that's needed and incorporate cybersecurity? The experts at McKinsey & Company draw from decades of experience and detailed analysis to highlight what matters most in order to become a digital winner. With illuminating sidebars and real-life scenarios, *Fast Times* is an invaluable shortcut to setting direction, learning, and adapting to win.

SYSTEMS ENGINEERING IN THE FOURTH INDUSTRIAL REVOLUTION

BIG DATA, NOVEL TECHNOLOGIES, AND MODERN SYSTEMS ENGINEERING

John Wiley & Sons An up-to-date guide for using massive amounts of data and novel technologies to design, build, and maintain better systems engineering *Systems Engineering in the Fourth Industrial Revolution: Big Data, Novel Technologies, and Modern Systems Engineering* offers a guide to the recent changes in systems engineering prompted by the current challenging and innovative industrial environment called the Fourth Industrial Revolution—INDUSTRY

4.0. This book contains advanced models, innovative practices, and state-of-the-art research findings on systems engineering. The contributors, an international panel of experts on the topic, explore the key elements in systems engineering that have shifted towards data collection and analytics, available and used in the design and development of systems and also in the later life-cycle stages of use and retirement. The contributors address the issues in a system in which the system involves data in its operation, contrasting with earlier approaches in which data, models, and algorithms were less involved in the function of the system. The book covers a wide range of topics including five systems engineering domains: systems engineering and systems thinking; systems software and process engineering; the digital factory; reliability and maintainability modeling and analytics; and organizational aspects of systems engineering. This important resource: Presents new and advanced approaches, methodologies, and tools for designing, testing, deploying, and maintaining advanced complex systems Explores effective evidence-based risk management practices Describes an integrated approach to safety, reliability, and cyber security based on system theory Discusses entrepreneurship as a multidisciplinary system Emphasizes technical merits of systems engineering concepts by providing technical models Written for systems engineers, Systems Engineering in the Fourth Industrial Revolution offers an up-to-date resource that contains the best practices and most recent research on the topic of systems engineering.

HANDBOOK OF TEACHING WITH TECHNOLOGY IN MANAGEMENT, LEADERSHIP, AND BUSINESS

Edward Elgar Publishing Ever-evolving technological innovation creates both opportunities and challenges for educators aiming to achieve meaningful and effective learning in the classroom and to equip students with a well-honed set of technology skills as they enter the professional world. The Handbook of Teaching with Technology in Management, Leadership, and Business is written by experienced instructors using technology in novel and impactful ways in their undergraduate and graduate courses, as well as researchers reporting and reflecting on studies and literature that can guide them on the how and why of teaching with technology.

DISINTERMEDIATION ECONOMICS

THE IMPACT OF BLOCKCHAIN ON MARKETS AND POLICIES

Springer Nature This book provides a coherent Blockchain framework for the business community, governments, and universities structured around microeconomics, macroeconomics, finance, and political economy and identifies how

business organizations, financial markets and governmental policies are changed by digitalization, specifically Blockchain. This framework, what they authors call “disintermediation economics,” affects everything by providing a paradigm that transforms the way we organize markets and value chains, financial services, central banking, budgetary policies, innovation ecosystems, government services, and civil society. Bringing together leading and experienced policy makers, corporate practitioners, and academics from top universities, this book offers a road map of best practices that can be immediately useful to firms, policy makers as well as academics by balancing theory with practice.

DISRUPTIVE TECHNOLOGY AND DIGITAL TRANSFORMATION FOR BUSINESS AND GOVERNMENT

IGI Global With the far-reaching global impact of the COVID-19 pandemic, the demand and the necessity for digital enterprise transformation have accelerated exponentially. Management and strategies for the adoption and wider usage of newer digital technologies for the transformation of an enterprise through digital tools such as real-time video communications have shown that people no longer need to be required to be physically present in the same place; rather, they can be geographically dispersed. Technologies such as artificial intelligence, cloud computing, digital banking, and cloud data have taken over tasks that were initially done by human hands and have increased both the automation and efficiency of tasks and the accessibility of information and services. Inclusion of all these newer technologies has shown the fast pace at which the digital enterprise transformation is rapidly evolving and how new ecosystems are reshaping the digital enterprise model. Disruptive Technology and Digital Transformation for Business and Government presents interesting research on digital enterprise transformation at different stages and across different settings within government and industry, along with key issues and deeper insights on the core problems and developing solutions and recommendations for digital enterprise transformation. The chapters examine the three core leaders of transformation: the people such as managers, employees, and customers; the digital technology such as artificial intelligence and robotics; and the digital enterprise, including the products and services being transformed. They unravel the underlying process for management and strategies to fully incorporate new digital tools and technologies across all aspects of an enterprise undergoing transformation. This book is ideally intended for managers, executives, IT consultants, business professionals, government officials, researchers, students, practitioners, stakeholders, academicians, and anyone else looking to learn about new developments in digital enterprise transformation of business systems from a global perspective.

SYMPOSIUM PROCEEDINGS - XVI INTERNATIONAL SYMPOSIUM SYMORG 2018

“DOING BUSINESS IN THE DIGITAL AGE: CHALLENGES, APPROACHES AND SOLUTIONS”

University of Belgrade, Faculty of Organizational Sciences

DIGITAL TRANSFORMATION

BUILDING INTELLIGENT ENTERPRISES

John Wiley & Sons Building Intelligent Enterprises by leveraging the emerging and next-generation technologies to accelerate the adoption of digital transformation The speed of innovation and emerging IT technologies are changing at a very fast pace and enterprises are eager to join the digital revolution so they can stand above the competition and succeed as the enterprise of tomorrow. This book is an attempt to make the enterprise intelligent by providing the path to digital transformation and the adoption of new IT methods, tools and technologies. This book has been organized to cover the following topics: Digital Transformation, Design Thinking, Agile, DevOps, Robotic Process Automation, Internet of Things, Artificial Intelligence, Machine Learning, Blockchain, Drones, Augmented and Virtual Reality, 3D Printing, Big Data, Analytics, Cloud Computing, APIs, and SAP Leonardo. No prior knowledge of any technical coding or language is necessary to understand the content of this book. End-to-end storyline to accelerate the enterprise’s digital transformation journey How an enterprise can stay relevant, compete, and perform in the digital economy How to leverage these technologies to build intelligent enterprises Understand and apply the emerging technologies across key business processes Industry-specific Use Cases for all technologies as a reference point to build the business case for implementation The book is very well suited towards the C-Suite executives, both IT and business leaders, directors and managers, project managers, solution architects, and all professionals who have an interest and desire to keep up-to-date with the latest technological trends, looking for a career change, want to help enterprise adapt and onboard the digital roadmap, or have an agenda to digitize key processes within the enterprise to make it intelligent.

AGILITY.X

HOW ORGANIZATIONS THRIVE IN UNPREDICTABLE TIMES

World-class experts and seasoned practitioners give deep and holistic insights on agility, preparing executives for leading under uncertainty.

EURASIAN BUSINESS AND ECONOMICS PERSPECTIVES

PROCEEDINGS OF THE 34TH EURASIA BUSINESS AND ECONOMICS SOCIETY CONFERENCE

Springer Nature EBES conferences have been intellectual hub for academic discussion in economics, finance, and business fields and provide network opportunities for participants to make long lasting academic cooperation. This is the 21st issue of the Eurasian Studies in Business and Economics (EBES's official proceeding series) which includes selected papers from the 34rd EBES Conference - Athens. Due to the COVID-19, the conference presentation mode has been switched to "online/virtual presentation only". In the conference, 148 papers by 296 colleagues from 40 countries were presented. Both theoretical and empirical papers in this volume cover diverse areas of business, economics, and finance from many different regions. Therefore, it provides a great opportunity to colleagues, professionals, and students to catch up with the most recent studies in different fields and empirical findings on many countries and regions.

TECHNOLOGY, INNOVATION, AND ENTERPRISE TRANSFORMATION

IGI Global Technical advancements are an important part of modern society, but particularly important in the business world. The success or failure of business operations can be affected by the technical operations working within it. Technology, Innovation, and Enterprise Transformation addresses the crucial relationship between a business and its technical implementations, and how current innovations are changing how the industry operates. Highlighting current theoretical frameworks, novel empirical research discoveries, and fundamental literature surveys, this book is an essential reference source for academicians, professionals, and researchers who are interested in the latest technical insights within the business field.

MANAGEMENT MODELS OF DIGITAL TRANSFORMATION

ANALYSIS AND DEFINITION OF SUCCESS FACTORS FOR THE DEVELOPMENT OF A MANAGEMENT FRAMEWORK

Springer Nature The success of a digital transformation is not a foregone conclusion. A digital transformation, as a highly complex process impacting major areas of an organization, requires a systematic approach that goes beyond individual transformation initiatives. This work analyses and integrates existing approaches to managing and coordinating a digital transformation in order to identify relevant success factors of a digital transformation, serving as a basis for the development of a systematic framework for a management model of digital transformation. The analysis reveals ten success-critical focus areas of a digital transformation, which comprise numerous success factors: 'Vision, goals, and strategies', 'Leadership', 'Communication', 'Digital culture and mindset', 'Digital platform', 'Partnership network', 'Capabilities, talents, and skills', 'Organization, coordination, and roles', 'Management methodologies', and 'Governance'. A systematic framework is proposed that serves as a foundation for the future development of a management model, addressed to executives and experts who are tasked with launching, driving, and sustaining a digital transformation.

THE DIGITAL TRANSFORMATION OF AUDITING AND THE EVOLUTION OF THE INTERNAL AUDIT

Taylor & Francis The main objective of this book is to provide both academics and practitioners with a global vision of the evolution of internal auditing in a fast-changing business landscape driven by digital transformation. Digital transformation has been first associated with the emergence and the development of new technologies (artificial intelligence, blockchain, cloud computing, data analytics, predictive analytics, robotic process automation, IOT, drones etc.). Beyond the technological dimensions, this transformation has several impacts on businesses, organizations and processes and raises several questions for auditing activities. This book explores how digitalization not only has an impact on the audit environment, but also on internal audit practices and methodologies, information technology (IT)/information system (IS) audit, IT governance and risk management. The auditing profession also has to face the same challenges. Auditors should develop new skills. To continue to provide high quality service in such an environment, the methodologies, the process and the tools used for conducting an audit have progressively changed from those applied to the traditional audit. Internal audit, as a key strategic function, must evolve too. Finally, the book also investigates the impact of the COVID-19 pandemic on internal auditing. The author highlights the need for a new vision and renewed forecasting tools. The post-COVID-19 business and corporate world has changed. Internal audit, as a key strategic function, must evolve too.

APPLIED TECHNOLOGIES

FIRST INTERNATIONAL CONFERENCE, ICAT 2019, QUITO, ECUADOR, DECEMBER 3-5, 2019, PROCEEDINGS, PART I

Springer Nature This first volume of the three-volume set (CCIS 1193, CCIS 1194, and CCIS 1195) constitutes the refereed proceedings of the First International Conference on Applied Technologies, ICAT 2019, held in Quito, Ecuador, in December 2019. The 124 full papers were carefully reviewed and selected from 328 submissions. The papers are organized according to the following topics: technology trends; computing; intelligent systems; machine vision; security; communication; electronics; e-learning; e-government; e-participation.

SOCIO-ECONOMIC SYSTEMS: PARADIGMS FOR THE FUTURE

Springer Nature This book is reflective of a science-based vision of the future development paradigm of economic and social systems. It deals with the digitization as the technological basis for the future development of economic and social systems and presents a review of groundbreaking technologies and prospects for their application. The specific character of the industry and prospects for the application of digital technologies in business are analyzed. A rationale is provided for future prospects for the sustainable development of economic and social systems in a digital economy. The authors determine the process of the formation and development of the information-oriented society, social and educational aspects of the digitization, as well as the institutional framework of the digital future of social and economic systems. The book combines the best works following the results of the 12th International Research-to-Practice Conference “Artificial Intelligence: Anthropogenic Nature vs. Social Origin” that was held by the Institute of Scientific Communications (ISC) in cooperation with the Siberian Federal University and the Krasnoyarsk Regional Fund of support of scientific and scientific-technical activities on 5-7 December 2019, in Krasnoyarsk, Russia, as well as following the results of the 3rd International Research-to-Practice Conference “Economic and Social Systems: Paradigms for the Future” that was held by the ISC in cooperation with the Pyatigorsk State University on 5-6 February 2020. The target audience of the book consists of representatives of the academic community concerned with the future prospects for the development of economic and social systems, as well as economic agents engaged in the digitization of business processes, and representatives of public agencies regulating the development of business systems for their progressivity, sustainability and competitiveness.

LEADING SOLUTIONS

ESSAYS IN BUSINESS PSYCHOLOGY

Springer Nature This book on business psychology—particularly organizational leadership—crosses industries, continents, and business environments: it includes 45 précis on emerging theories of leadership; ethical and cultural considerations; group and team leadership; leadership self-development; management philosophy and practice; organizational diagnosis and cultural dynamics; personality and lifespan in the workplace; professional development; qualitative research methods; psychological, socio-cultural, and political dimensions of organizations; the role of technology in organizations; strategic change management; and systems theory. The material ranges widely but is pithy: each précis offers in easy bites the latest "take" on the subject, drawing from popular textbooks, recommended readings, case studies, group exercises, personal experience, and self-reflection; each was written as a key to understanding and change with an eye to re-imagining leadership in the 21st century. Both rigorously researched and entertaining, this book addresses the fast-changing realities of organizational leadership in domestic and international settings across the private, public, and nonprofit sectors: it will serve as a valuable quick-access resource for practitioners and students.

THE OPEN ORGANIZATION

IGNITING PASSION AND PERFORMANCE

Harvard Business Press This is a story of reinvention. Jim Whitehurst, celebrated president and CEO of one of the world's most revolutionary software companies, tells first-hand his journey from traditional manager (Delta Air Lines, Boston Consulting Group) and "chief" problem solver to CEO of one of the most open organizational environments he'd ever encountered. This challenging transition, and what Whitehurst learned in the interim, has paved the way for a new way of managing—one this modern leader sees as the only way companies will successfully function in the future. Whitehurst says beyond embracing the technology that has so far disrupted entire industries, companies must now adapt their management and organizational design to better fit the Information Age. His mantra? "Adapt or die." Indeed, the successful company Whitehurst leads—the open source giant Red Hat—has become the organizational poster child for how to reboot, redesign, and reinvent an organization for a decentralized, digital age. Based on open

source principles of transparency, participation, and collaboration, “open management” challenges conventional business ideas about what companies are, how they run, and how they make money. This book provides the blueprint for putting it into practice in your own firm. He covers challenges that have been missing from the conversation to date, among them: how to scale engagement; how to have healthy debates that net progress; and how to attract and keep the “Social Generation” of workers. Through a mix of vibrant stories, candid lessons, and tested processes, Whitehurst shows how Red Hat has blown the traditional operating model to pieces by emerging out of a pure bottom up culture and learning how to execute it at scale. And he explains what other companies are, and need to be doing to bring this open style into all facets of the organization. By showing how to apply open source methods to everything from structure, management, and strategy to a firm's customer and partner relationships, leaders and teams will now have the tools needed to reach a new level of work. And with that new level of work comes unparalleled success. The Open Organization is your new resource for doing business differently. Get ready to make traditional management thinking obsolete.

DIGITAL BUSINESS MODELS

DRIVING TRANSFORMATION AND INNOVATION

Springer This innovative edited collection explores digital business models (DBMs) in theory and practice to contribute to knowledge of how companies, organizations and networks can design, implement and apply DBMs. It views DBMs in a range of contexts and forms, which can be integrated in a number of ways, and aims to inspire and enable academics, students and practitioners to seize the opportunities posed by digital business models, technologies and platforms. One of the first and comprehensive contributions to the field of DBMs and digital business model innovations (DBMI), the authors discuss the opportunities, challenges, technologies, implementation and value creation, customer and data protection processes of DBMs in different contexts.

DRIVING DIGITAL

THE LEADER'S GUIDE TO BUSINESS TRANSFORMATION THROUGH TECHNOLOGY

Amacom The race is on to become a digital enterprise. Every organization has a plan for updating products, technologies, and business processes. But that's not enough anymore. With disruptive startups outperforming industry

stalwarts, executives everywhere are pushing greater growth and innovation. Staying competitive demands a complete digital transformation. For professionals charged with leading technology-driven change, the pressure is intense-and the path forward unclear. Author Isaac Sacolick has successfully spearheaded multiple transformations and helped shape digital-business best practices. Now in *Driving Digital*, he shares the lessons he's learned, detailing how to: Formulate a digital strategy * Transform business and IT practices * Align Development and Operations * Promote agile practices * Drive culture change * Bolster digital talent * Manage a portfolio of initiatives * Capture and track ROI * Strengthen data-driven decision making and expand data science practices * Cultivate strategic technology capabilities * Develop innovative digital products * Enable product management * Pilot emerging technologies * Become smarter faster. Every company is on the cusp of digital disruption. But with so many pieces to the puzzle, efforts often get derailed. *Driving Digital* is the action plan you need to take your company and career into the future.

EDUCATIONAL LEADERSHIP, IMPROVEMENT AND CHANGE

DISCOURSE AND SYSTEMS IN EUROPE

Springer Nature This book analyses selected critical concepts of policy and practice in educational leadership in five European countries. The editors and contributors cover Croatia, Slovenia, Lithuania, Denmark and Norway, spanning a wide geographical region as well as diverse historical and political contexts. The analyses primarily consider the issues of convergence and divergence in local educational leadership policies and practice that are developing and emerging from traditional structures and discourses under global, trans-national and regional influences. Focusing on both the macro and micro levels, this book examines a range of topics including international benchmarking, inclusive education practices and digital transformation. It will be of interest and value to scholars of educational leadership in Europe, particularly within smaller countries. "Today's local educational leadership policies and practice are connected with the historical roots of five small European countries. In the analysis, perspectives from within each country and comparisons are used interestingly. Both levels of analysis bring out new understandings of the relationship between policy and practice and how they have been related to leadership in a historical discourse. In my opinion the different country chapters and the comparisons represent important new knowledge and I recommended the book as reading for school leaders and policy makers in the field of educational leadership." —Professor Olof Johansson, Umeå University, Sweden "The book fills a gap in the research of cross-national research, comparing school leadership issues in two Balkan countries, Croatia and Slovenia, one Baltic country, Lithuania, and two Scandinavian countries, Norway and

Denmark. To my knowledge it is the first time there has been this sort of cross-investigation of commonalities and differences in school leadership conditions between these countries in the age of globalization. I am sure that many scholars and practitioners can benefit from this book and hereby recommend it. “ —Associate Professor Emeritus Klaus Kasper Kofod, Aarhus University, Denmark

SMART TECHNOLOGIES

SCOPE AND APPLICATIONS

Springer Nature The book introduces the concept of ‘smart technologies’, especially ‘Internet of Things’ (IoT), and elaborates upon various constituent technologies, their evolution and their applications to various challenging problems in society. It then presents research papers and case studies based upon inception, application and implementation of IoT-based smart technologies for various application areas from some of the most technologically conservative domains like agriculture and farming to the most advanced areas such as automobiles, financial transactions and industrial applications. The book contents is thus applicable not only to academic researcher, but also to interested readers from industries and corporates, and those involved in policy making. Excerpt from the Foreword (read the complete text on Springerlink): “This book contains besides the two introductory chapters, written by the project leaders from Indian Institute of Science (IISc) Bangalore, and TU Clausthal (TUC), Germany, the different areas of research work done within the INGPART (Indo-German Partnership in Advanced Research, founded by DAAD in Germany and UGC in India) project so far by the Indian and German young researchers. It offers new perspectives and documents important progress in smart technologies. I can say without reservation that this book and, more specifically, the method it espouses will change fundamental ideas for cutting-edge innovation and disruption in the smart technology area.” - Prof. Dr. Thomas Hanschke, President, TU Clausthal, Clausthal-Zellerfeld, Germany

HANDBOOK OF RESEARCH ON CONNECTING PHILOSOPHY, MEDIA, AND DEVELOPMENT IN DEVELOPING COUNTRIES

IGI Global Developing nations have been experimenting with different models and theories in their quest for development for decades but are missing some critical elements when mirrored or judged via a Westernized lens. In order for these countries to successfully establish their identity and address issues that have held them back in the past, further study on the use of media and philosophy in correlation with development must be conducted. The

Handbook of Research on Connecting Philosophy, Media, and Development in Developing Countries examines how media can be utilized to bridge the gap between the past and the future for developing countries and drive sustainable development. The book also seeks to reimagine development within developing regions through the prism of their unique cultures, religions, media, and philosophies so they can take hold of their identity and portrayals within the international arena. Covering topics such as human development, new media, language, and culture, this major reference work is ideal for government officials, policymakers, scholars, researchers, academicians, practitioners, instructors, and students.