Mastering Digital Transformation Towards A Smarter Society Economy City And Nation Innovation Technology And Education For Growth

This book reports the best practices that companies established in Latin America are implementing in their manufacturing processes in order to generate high quality products and stay in the market. It lists the technologies, production and administrative philosophies that are being implemented, presenting a collection of successful cases of studies from Latin America. The book describes how the tools and techniques are being integrated, modified and combined to create new technical resources for assisting the decision making process for better economic performance in manufacturing companies. The efforts deployed for assisting the transformation of raw materials into products and services are described. The authors explain the main success factors or drivers for success of each tool, technique or hybrid combination approach applied to solve manufacturing problems.

This book analyzes the set of forces driving the global financial system toward a period of radical transformation and explores the transformational challenges that lie ahead for global and regional or local banks and other financial intermediaries. It is explained how these changes derive from the newly emerging post-crisis structure of the market and from shadow and digital players across all banking operations. Detailed attention is focused on the impacts of digitalization on the main functions of the financial system, and particularly the banking sector. The author elaborates how an alternative model of banking will enable banks to predict, understand, navigate, and change the external ecosystem in which they compete. The five critical components of this model are data and information mastering; effective use of applied analytics; interconnectivity and “junction playing”; development of new business solutions; and trust and credibility assurance. The analysis is supported by a number of informative case studies. The book will be of interest especially to top and middle managers and employees of banks and financial institutions but also to FinTech players and their advisers and others.

2020 has been a challenging year worldwide for many businesses and we have not come out of that phase entirely in 2021. At the same time, we witnessed the acceleration of Cloud led Digital Transformation, changing the ways we work, communicate, collaborate, and share our workplace and creating a globally accepted new normal. More than ever before, senior management and leadership teams need to identify a rigorous approach, drive competitive advantage for their business, create value addition, and become more effective in this work from home, zoom-based collaboration and still achieve our business metrics, which have also naturally evolved due to the global pandemic. Effective disruption is dependent on fast universal adoption, then only it will be real and the transformation will be effective. Understanding the key drivers of change, leveraging the powerful capabilities from technologies with a collaborative platform can aid an organization to prepare for digital transformation. Building a Digital Future provides a clearly defined roadmap for executing this change. Based on their industry experience of leading and implementing digital transformation globally, authors Lipti Sarkar and Vinnie Bansal distill proven ideas, creating a blueprint of powerful and workable frameworks for executing a successful digital transformation with Dynamics 365 and accelerating businesses during a global pandemic. Each chapter of the book is curated with best practices, real life examples, pitfalls to avoid, and salient points to remember. This book enables organizations to truly embrace the benefits of digital transformation by anchoring Microsoft Dynamics 365 and Power Platform at the core of their business. The frameworks, examples and customer stories in the book revolves around how it drives faster disruption, enhances customer experiences, empowers overworked business users. The real-life customer stories across various sectors and countries, namely Virgin Atlantic, Etihad Airways, G&J Pepsi-Cola Bottlers, Breville, Heathrow Airport, Hickory Farms, Ste Michelle Wines and many more (brings an idea of key business challenges and the solutions implemented to address them. Building a Digital Future is written for C-suite stakeholders, senior management, Programme Directors or Managers, Implementation Consultants, and Business Managers who are considering a Digital Transformation to improve efficiencies across the business of finance and operation, supply chain, retail, and customer relationship management—sales, marketing, or services. This book covers Digital Transformation with the powerful technology platform Microsoft Dynamics 365 which offers process optimization capabilities across all business areas, provides powerful tools to automate time-consuming tasks, and drives innovation and improvements through an evergreen system post implementation. The concepts of digital transformation are laid out and take you through a step-by-step transformation journey, highlighting any pitfall that you need to be aware of. Many Dynamics 365 books offer advice for implementation or mastering the system, but Building a Digital Future is the first complete playbook of how businesses can transform to thrive in the digital age. Building a Digital Future is the must-have guide to help your Dynamics 365 program.

This book is open access under a CC BY 4.0 license. Presenting rigorous and original research, this volume offers key insights into the historical, cultural, social, economic and political forces at play in the creation of world-class ICT innovations in Kenya. Following the arrival of fiber-optic cables in 2009, Digital Kenya examines why the initial entrepreneurial spirit and digital revolution has begun to falter despite support from motivated entrepreneurs, international investors, policy experts and others. Written by engaged scholars and professionals in the field, the book offers 15 eye-opening chapters and 14 one-on-one conversations with entrepreneurs and investors to ask why establishing ICT start-ups on a continental and global scale remains a challenge on the “Silicon Savannah”. The authors present evidence-based recommendations to help Kenya to continue producing globally impactful ICT innovations that improve the lives of those still waiting on the side-lines, and to inspire other nations to do the same. This strategic guide for business and IT executives focuses on how today’s most disruptive technologies can be applied in powerful combinations along with platform business models, mastery of digital services, and leadership practices in corporate innovation, to help you develop and execute your digital strategies for competitive advantage. This book highlights cutting-edge research presented at the third installment of the International Conference on Smart City Applications (SCA2018), held in Tétouan, Morocco on October 10–11, 2018. It presents original research results, new ideas, and practical lessons learned that touch on all aspects of smart city applications. The respective papers share new and highly original results by leading experts on IoT, Big Data, and Cloud technologies, and address a broad range of key challenges in smart cities, including Smart Education and Intelligent Learning Systems, Smart Healthcare, Smart Building and Home Automation, Smart Environment and Smart Agriculture, Smart Economy and Digital Business, and Information Technologies and Computer Science, among others. In addition, various novel proposals regarding smart cities are discussed. Gathering peer-reviewed chapters written by prominent researchers from around the globe, the book offers an invaluable instructional and research tool for courses on computer and urban sciences; students and practitioners in computer science, information science, technology studies and urban management studies will find it particularly useful. Further, the book is an excellent reference guide for professionals and researchers working in mobility, education, governance, energy, the environment and computer sciences.

EDGE: The Agile Operating Model That Will Help You Successfully Execute Your Digital Transformation [The authors]’ passion for technology allows them to recognize that for most enterprises in the 21st century, technology is THE business. This is what really separates the EDGE approach. It is a comprehensive operating model with technology at its core.” —From the Foreword by Heidi Musser, Executive Vice President and Principal Consultant, Leading Agile; retired, Vice President and CIO, USAA Maximum innovation happens at the edge of chaos: the messy, risky, and uncertain threshold between randomness and structure. Operating there is uncomfortable but it’s where organizations “invent the future.” EDGE is a set of fast, iterative, adaptive, lightweight, and value-driven tools to achieve digital
transformation, and EDGE: Value-Driven Digital Transformation is your guide to using this operating model for innovation. Jim Highsmith is one of the world’s leading agile pioneers and a coauthor of the Agile Manifesto. He, Linda Liu, and David Robinson know from their vast in-the-trenches experience that sustainable digital transformation requires far more than adopting isolated agile practices or conventional portfolio management. This hard, indispensable work involves changing culture and mindset, and going beyond transforming the IT department. EDGE embraces an adaptive mindset in the face of market uncertainty, a visible, value-centered portfolio approach that encourages continual value linkages from vision to detailed initiatives, incremental funding that shifts as strategies evolve, collaborative decision-making, and better risk mitigation. This guide shows leaders how to use the breakthrough EDGE approach to go beyond incremental improvement in a world of exponential opportunities. Build an organization that adapts fast enough to thrive Clear away unnecessary governance processes, obsolete “command and control” leadership approaches, and slow budgeting/planning cycles. Improve collaboration when major, fast-paced responses are necessary Continuously optimize investment allocation and monitoring based on your vision and goals. Register your product for convenient access to updates, downloads, and/or corrections as they become available. See inside book for details.

Rethink your business for the digital age. Every business begun before the Internet now faces the same challenge: How to transform to compete in a digital economy? Globally recognized digital expert David L. Rogers argues that digital transformation is not about updating your technology but about upgrading your strategic thinking. Based on Rogers’s decade of research and teaching at Columbia Business School, and his consulting for businesses around the world, The Digital Transformation Playbook shows how pre-digital-era companies can reinvigorate their game plans and capture the new opportunities of the digital world. Rogers shows why traditional businesses need to rethink their underlying assumptions in five domains of strategy—customers, competition, data, innovation, and value. He reveals how to harness customer networks, platforms, big data, rapid experimentation, and disruptive business models—and how to integrate these into your existing business and organization. Rogers illustrates every strategy in this playbook with real-world case studies, from Google to GE, from Airbnb to the New York Times. With practical frameworks and nine step-by-step planning tools, he distills the lessons of today’s greatest digital innovators and makes them usable for businesses at any stage. Many books offer advice for digital start-ups, but The Digital Transform Playbook is the first complete treatment of how legacy businesses can transform to thrive in the digital age. It is an indispensable guide for executives looking to take their firms to the next stage of profitable growth.

The term Digital Governance stands for Digital Transformation Strategy & Execution's Governance. Mastering Digital Governance will help you improve your personal understanding of the Digital Transformation initiatives dynamics and of the “techniques” required to ensure their smoothest possible execution. Literally, nothing is more important in today’s ever-changing world. The success or survival of Companies and Governments depends directly on their ability to embrace and properly execute their Digital Transformation. But this is very hard. Nobody gets trained in this art and most Companies need to act as icebreakers to find their own ways, as there is limited literature and no comprehensive tools available. Mastering Digital Governance aims at filling that gap.

Building Digital Culture aims to answer a simple question: How can organisations succeed when the environment they operate in is changing so quickly? The last thing businesses need today is a digital strategy. Instead, their strategy needs to be fit for our fast-changing digital world, where businesses have more data than they know what to do with, a media landscape that’s exploded in size and complexity, the risk of a new disruption around every corner, and only one certainty: that this change won’t let up. Building Digital Culture doesn’t address whether or not you should advertise on Facebook or invest in virtual reality. It doesn’t seek to unearth a silver bullet to make digital investments a sure-thing. It steps back from the hype, and argues that whatever digital might mean for your business, if you don’t create a digital culture you’ll most likely fail, or at least fall short of what you want to achieve. Daniel Rowles and Thomas Brown combine more than 30 years of experience at the forefront of marketing and digital developments to help you to navigate from being a business that tolerates or acts digital, to one that truly is digital. Building Digital Culture is based on more than 200 hours of research, candid interviews and contributions from senior leaders at a diverse range of brands including Twitter, Made.com, Deloitte, HSBC, Ladbrokes, Direct Line Group, Barclays, The Metropolitan Police, RSA Insurance and many more. There is no simple strategic method for dealing with the multidimensional nature of digital change. Even the sharpest leaders can become disoriented as change builds on change, leaving almost nothing certain. Yet to stand still is to fail. Enterprises and leaders must re-master themselves to succeed. Leaders must identify the key macro forces, then lead their organizations at three distinct levels: industry, enterprise, and self. By doing this they cannot only survive but clean up. Digital to the Core makes the case that all business leaders must understand the impact the digital revolution will continue to play in their industries, companies, and leadership style and practices. Drawing on interviews with over 30 top C-level executives in some of the world’s most powerful companies and government organizations, including GE, Ford, Tory Burch, Babolat, McDonalds, Publicis and UK Government Digital Service, this book delivers practical insights from those on the front lines of major digital upheaval. The authors incorporate Gartner’s annual CIO and CEO global survey research and also apply the deep knowledge and qualitative insights they have acquired as practitioners, management researchers, and advisors over decades in the business. Above all else, Raskino and Waller want companies and their top leaders to understand the full impact of digital change and integrate it at the core of their businesses.

Digital transformation is not about technology—it’s about change. In the rapidly changing digital economy, you can’t succeed by merely tweaking management practices that led to past success. And yet, while many leaders and managers recognize the threat from digital—and the potential opportunity—they lack a common language and compelling framework to help them assess it and guide them in responding. They don’t know how to think about their digital business model. In this concise, practical book, MIT digital research leaders Peter Weill and Stephanie Woerner provide a powerful yet straightforward framework that has been field-tested globally with dozens of senior management teams. Based on years of study at the MIT Center for Information Systems Research (CISR), the authors find that digitization is moving companies’ business models on two dimensions: from value chains to digital ecosystems, and from a fuzzy understanding of the needs of end customers to a sharper one. Looking at these dimensions in
combination results in four distinct business models, each with different capabilities. The book then sets out six driving questions, in separate chapters, that help managers and executives clarify where they are currently in an increasingly digital business landscape and highlight what’s needed to move toward a higher-value digital business model. Filled with straightforward self-assessments, motivating examples, and sharp financial analyses of where profits are made, this smart book will help you tackle the threats, leverage the opportunities, and create winning digital strategies.

This book constitutes the refereed proceedings of the 14th IFIP WG 9.4 International Conference on Social Implications of Computers in Developing Countries, ICT4D 2017, held in Yogyakarta, Indonesia, in May 2017. The 60 revised full papers and 8 short papers presented together with 3 keynotes were carefully reviewed and selected from 118 submissions. The papers are organized in the following topical sections: large scale and complex information systems for development; women empowerment and gender justice; social mechanisms of ICT-enabled development; the data revolution and sustainable development goals; critical perspectives on ICT and open innovation for development; the contribution of practice theories to ICT for development; agile development; indigenous local community grounded ICT developments; global sourcing and development; sustainability in ICT4D; and information systems development and implementation in Southeast Asia. Also included are a graduate student track, current issues and notes. The chapter ‘An Analysis of Accountability Concepts for Open Development’ is open access under a CC BY 4.0 license via link.springer.com.

The term Digital Governance stands for Digital Transformation Strategy & Execution’s Governance. Nothing is more important in today’s world. The success or survival of Companies and Governments depends directly on their ability to embrace and properly execute their Digital Transformation. But this is very hard, and there is limited literature and no comprehensive tools available.

Media Management and Digital Transformation provides novel and empirically rich insights into the tensions, struggles and innovations of news making and managing in media organizations. From an empirically grounded perspective this book investigates how the “buzz” of new technology tends to prevent management from seeing which changes are needed and indeed possible to make in the newsroom. It presents ground-breaking research showing that fostering ingenious, innovative solutions can be created from within organizations by engaging and allowing employees to recognize problems, reflect and experiment with new ways of working, using technology as support for change. The research presented arises from a four-year action research project in collaboration with three small and medium-sized Norwegian newspapers, in addition to ethnographic research in newsrooms and on media organizations and phenomena in the USA and Europe. It includes among other empirical examples of newsrooms transitioning from a deadline-controlled workflow to an open-ended flowline production, and provides new tools and methods for fostering collaborative creativity and co-creative innovation practices. It also looks into newsrooms’ attempts to strengthen their audience engagement, metrics performance and external collaborations with technology providers, journalism education and action researchers. With theoretical chapters, methodological insights and qualitative case studies of contemporary practices, this book is essential reading for students and practitioners involved with media management globally.

The term Digital Governance stands for Digital Transformation Strategy & Execution’s Governance. Mastering Digital Governance will help you improve your personal understanding of the Digital Transformation initiatives dynamics and of the “techniques” required to ensure their smoothest possible execution. Literally, nothing is more important in today’s ever-changing world. The success or survival of Companies and Governments depends directly on their ability to embrace and properly execute their Digital Transformation. But this is very hard. Nobody gets trained in this art and most Companies need to act as icebreakers to find their own ways, as there is limited literature and no comprehensive tools available. Mastering Digital Governance aims at filling that gap.

The three-volume set LNCS 10288, 10289, and 10290 constitutes the proceedings of the 6th International Conference on Design, User Experience, and Usability, DUXU 2017, held as part of the 19th International Conference on Human-Computer Interaction, HCII 2017, in Vancouver, BC, Canada, in July 2017, jointly with 14 other thematically similar conferences. The total of 1228 papers presented at the HCII 2017 conferences were carefully reviewed and selected from 4340 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of Human-Computer Interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 168 contributions included in the DUXU proceedings were carefully reviewed and selected for inclusion in this three-volume set. LNCS 10288: The 56 papers included in this volume are organized in topical sections on design thinking and design philosophy; aesthetics and perception in design; user experience evaluation methods and tools; user centered design in the software development lifecycle; DUXU education and training. LNCS 10289: The 56 papers included in this volume are organized in topical sections on persuasive and emotional design; mobile DUXU; designing the playing experience; designing the virtual, augmented and tangible experience; wearables and fashion technology. LNCS 10290: The 56 papers included in this volume are organized in topical sections on information design; understanding the user; DUXU for children and young users; DUXU for art, culture, tourism and environment; DUXU practice and case studies.

Today’s world is continually facing complex and life-threatening issues that are too difficult or even impossible to solve. These challenges have been titled “wicked” problems due to their radical and multifarious nature. Recently, there has been a focus on global cooperation and gathering creative and diverse methods from around the world to solve these issues. Accumulating research and information on these collective intelligence methods is vital in comprehending current international issues and what possible solutions...
are being developed through the use of global collaboration. The Handbook of Research on Using Global Collective Intelligence and Creativity to Solve Wicked Problems is a pivotal reference source that provides vital research on the collaboration between global communities in developing creative solutions for radical worldwide issues. While highlighting topics such as collaboration technologies, neuro-leadership, and sustainable global solutions, this publication explores diverse collections of problem-solving methods and applying them on a global scale. This book is ideally designed for scholars, researchers, students, policymakers, strategists, economists, and educators seeking current research on problem-solving methods using collective intelligence and creativity.

The use of remote work has recently skyrocketed, digital transformation within the workplace has gone under a microscope, and it has become abundantly clear that the incorporation of new technologies in the workplace is the future of business. These technologies keep businesses up to date with their capabilities to perform remote work and make processes more efficient and effective than ever before. In understanding digital transformation in the workplace there needs to be advanced research on technology, organizational change, and the impacts of remote work on the business, the employees, and day-to-day work practices. This advancement to a digital work culture and remote work is rapidly undergoing major advancements, and research is needed to keep up with both the positives and negatives to this transformation. The Research Anthology on Digital Transformation, Organizational Change, and the Impact of Remote Work contains hand-selected, previously published research that explores the impacts of remote work on business workplaces while also focusing on digital transformation for improving the efficiency of work. While highlighting work technologies, digital practices, business management, organizational change, and the effects of remote work on employees, this book is an all-encompassing research work intended for managers, business owners, IT specialists, executives, practitioners, stakeholders, researchers, academicians, and students interested in how digital transformation and remote work is affecting workplaces. This two-volume set LNCS 10924 and 10925 constitute the refereed proceedings of the 5th International Conference on Learning and Collaboration Technologies, LCT 2018, held as part of the 20th International Conference on Human-Computer Interaction, HCII 2018, in Las Vegas, NV, USA in July 2018. The 1171 papers presented at HCII 2018 conferences were carefully reviewed and selected from 4346 submissions. The papers cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of applications areas. The papers in this volume are organized in the following topical sections: designing and evaluating systems and applications, technological innovation in education, learning and collaboration, learners, engagement, motivation, and skills, games and gamification of learning, technology-enhanced teaching and assessment, computing and engineering education.

The founder and executive chairman of the World Economic Forum on how the impending technological revolution will change our lives We are on the brink of the Fourth Industrial Revolution. And this one will be unlike any other in human history. Characterized by new technologies fusing the physical, digital and biological worlds, the Fourth Industrial Revolution will impact all disciplines, economies and industries - and it will do so at an unprecedented rate. World Economic Forum data predicts that by 2025 we will see: commercial use of nanomaterials 200 times stronger than steel and a million times thinner than human hair; the first transplant of a 3D-printed liver; 10% of all cars on US roads being driverless; and much more besides. In The Fourth Industrial Revolution, Schwab outlines the key technologies driving this revolution, discusses the major impacts on governments, businesses, civil society and individuals, and offers bold ideas for what can be done to shape a better future for all.

Required reading for anyone interested in the profound relationship between digital technology and society Digital technology has become an undeniable facet of our social lives, defining our governments, communities, and personal identities. Yet with these technologies in ongoing evolution, it is difficult to gauge the full extent of their societal impact, leaving researchers and policy makers with the challenge of staying up-to-date on a field that is constantly in flux. The Oxford Handbook of Digital Technology and Society provides students, researchers, and practitioners across the technology and social science sectors with a comprehensive overview of the foundations for understanding the various relationships between digital technology and society. Combining robust computer-aided reviews of current literature from the UK Economic and Social Research Council's commissioned project "Ways of Being in a Digital Age" with newly commissioned chapters, this handbook illustrates the upcoming research questions and challenges facing the social sciences as they address the societal impacts of digital media and technologies across seven broad categories: citizenship and politics, communities and identities, communication and relationships, health and well-being, economy and sustainability, data and representation, and governance and security. Individual chapters feature important practical and ethical explorations into topics such as technology and the aging, digital literacies, work-home boundary, machines in the workforce, digital censorship and surveillance, big data governance and regulation, and technology in the public sector. The Oxford Handbook of Digital Technology and Society will equip readers with the necessary starting points and provocations in the field so that scholars and policy makers can effectively assess future research, practice, and policy.

This book, with contributions by both leading scholars and industry experts, provides a coherent framework for understanding complex determinants and patterns of industry competitiveness. Divided into eight parts, it covers both quantitative and qualitative research on the following topics: technologies, economic development, and human resources in Industry 4.0; management in the digital economy; artificial intelligence and knowledge management approaches; drivers of sustainable and innovative development in corporations; resilient and competitive systems in the energy sector; compliance and anti-corruption mechanisms; and competence networks and technological integration. Thanks to its highly stimulating discussions on the determinants and patterns of industry competitiveness, this book appeals to a wide readership.

Written by prominent thought leaders in the global fintech space, The AI Book aggregates diverse expertise into a single, informative volume and explains what artificial
intelligence really means and how it can be used across financial services today. Key industry developments are explained in detail, and critical insights from cutting-edge practitioners offer first-hand information and lessons learned. Coverage includes: · Understanding the AI Portfolio: from machine learning to chatbots, to natural language processing (NLP); a deep dive into the Machine Intelligence Landscape; essentials on core technologies, rethinking enterprise, rethinking industries, rethinking humans; quantum computing and next-generation AI · AI experimentation and embedded usage, and the change in business model, value proposition, organisation, customer and co-worker experiences in today’s Financial Services Industry · The future state of financial services and capital markets – what’s next for the real-world implementation of AITech? · The innovating customer – users are not waiting for the financial services industry to work out how AI can re-shape their sector, profitability and competitiveness · Boardroom issues created and magnified by AI trends, including conduct, regulation & oversight in an algo-driven world, cybersecurity, diversity & inclusion, data privacy, the ‘unbundled corporation’ & the future of work, social responsibility, sustainability, and the new leadership imperatives · Ethical considerations of deploying AI solutions and why explainable AI is so important

As the business context evolves more rapidly, driven by accelerating technological, political, and social change, an increasing strategic priority for business leaders is how to enact large-scale organizational change. Even companies that are current industry leaders are vulnerable to disruption. Company leaders need to watch over their shoulder for—and transform the company in anticipation of—the next disruption. Mastering the Science of Organizational Change summarizes the work of the BCG Henderson Institute and its fellows and ambassadors over several years to develop a more scientific approach to change. Hundreds of companies are analyzed in the book's discussion on how to beat the odds in large-scale change management using an evidence-based approach—a large-scale analysis of what approaches actually work in which circumstances. Part 1 of the book reviews the imperatives for self-disruption. The second part elaborates on how to manage the process of change. Finally, Part 3 discusses how organizations can take change to the next level.

This book presents a rich compilation of real-world cases on digitalization, aiming to share first-hand insights from renowned organizations and to make digitalization tangible. With all economic and societal sectors being challenged by emerging technologies, the digital economy is highly volatile, uncertain, complex, and ambiguous. It confronts established organizations with substantial challenges and opportunities. Against this backdrop, this book reports on best practices and lessons learned from organizations that succeeded in tackling the challenges and seizing the opportunities of the digital economy. It illustrates how twenty organizations leveraged their capabilities to create disruptive innovation, to develop digital business models, and to digitally transform themselves. These cases stem from various industries (e.g. automotive, insurance, consulting, and public services) and countries, covering the many facets that digitalization may have. As all case descriptions follow a unified template, they are easily accessible for readers and provide insightful examples for practitioners as well as interesting cases for researchers, teachers, and students. Almost every organization is trying to figure out how best to respond to the opportunities and threats posed by digitalization. This book provides valuable lessons from those organizations that have already begun their digital transformation journey. Michael D. Myers, Professor of Information Systems, University of Auckland Digitalization Cases provides firsthand insights into the efforts of renowned companies. The presented actions, results, and lessons learned are a great inspiration for managers, students, and academics. This book gives real pointers on the how and where to start. Anna Kopp, Head of IT Germany, Microsoft The cases compiled in the second volume of Digitalization Cases show how disruption can actively be managed. Further, long-term insights from extended success stories of the first edition highlight that courage to change pays off well. This book represents a motivation for organizations to drive their digital transformation journeys actively. Markus Richter, State Secretary at the Federal Ministry of the Interior, Building and Community and Federal Government Commissioner for Information Technology, Germany

Nagy Hanna presents a systematic approach to integrate ICT into development policies and programs across sectors of economy and society. This book bridges the current disconnect between the ICT specialists and their development counterparts in various sectors so as to harness the ongoing ICT revolution to maximize development impact.

OPTIMIZE YOUR BUSINESS DATA FOR FIRST-CLASS RESULTS Data Driven Business Transformation illustrates how to find the secrets to fast adaptation and disruptive origination hidden in your data and how to use them to capture market share. Digitalisation – or the Digital Revolution – was the first step in an evolving process of analysis and improvement in the operations and administration of commerce. The popular author team of Caroline Carruthers and Peter Jackson, two global leaders in data transformation and education, pick up the conversation here at the next evolutionary step where data from these digital systems generates value, and really use data science to produce tangible results. Optimise the performance of your company through data-driven processes by: Following step-by-step guidance for transitioning your company in the real world to run on a data-enabled business model Mastering a versatile set of data principles powerful enough to produce transformative results at any stage of a business’s development Winning over the hearts of your employees and influencing a cultural shift to a data-enabled business Reading first-hand stories from today’s thought leaders who are shaping data transformation at their companies Enable your company’s data to lift profits with Data Driven Business Transformation.

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.
This book contains a number of case studies that examine the nature and origins of emerging high-end innovation hubs in Africa. It analyses, highlights and draws lessons from some of the most promising and successful innovation cases in Africa today, exploring the key factors driving their successful emergence, growth and future prospects.

This book highlights original research and recent advances in various fields related to smart cities and their applications. It gathers papers presented at the Fourth International Conference on Smart City Applications (SCA19), held on October 2–4, 2019, in Casablanca, Morocco. Bringing together contributions by prominent researchers from around the globe, the book offers an invaluable instructional and research tool for courses on computer science, electrical engineering, and urban sciences. It is also an excellent reference guide for professionals, researchers, and academics in the field of smart cities. This book covers topics including: • Smart Citizenship • Smart Education • Digital Business and Smart Governance • Smart Health Care • New Generation of Networks and Systems for Smart Cities • Smart Grids and Electrical Engineering • Smart Mobility • Smart Security • Sustainable Building • Sustainable Environment

GAME-CHANGING DIGITAL TRANSFORMATION: USE DIGITAL STRATEGIES, CHANNELS, AND PLATFORMS TO TRANSFORMENTERPRISES TO COMPETE IN THE DIGITAL AGE
Move from “reactive digital” to “transformative digital” Use digital capabilities to fundamentally change the way you lead, direct, and structure organizations and teams. Stay focused on the “moving target” of digital best practices, and accelerate your progress towards digital maturity REVIVE will help you build a core business model for creating your own digital disruptions—so you can deepen customer engagement, achieve unprecedented immediacy and efficiency, and dominate tomorrow’s markets. Packed with proven strategies, in-the-trenches techniques, and cutting-edge case studies, it will help you change the game before the game changes you. It’s no longer enough to buy software, or even cloud services. To fully leverage the benefits of digital, you must transform your teams, processes, and how you think about your business. Jason Albanese and Brian Manning have helped dozens of top enterprises do all this. Revive shares the lessons they've learned, and gives you a complete, end-to-end methodology that works. You’ll learn how to use digital to rapidly move the dial on short-term profitability. But that’s just the start. Revive will position you for long-term market leadership, by helping you capture new value from digital wherever great opportunities arise. Most companies have only gone “skin deep” with digital—and they’ve only garnered a fraction of the value they could be earning. In Revive, two world-renowned digital business advisors show how to drive a full-scale digital transformation that breaks down organizational barriers, cuts costs, accelerates product/service delivery, and dramatically improves customer engagement. Centric Digital co-founders Jason Albanese and Brian Manning draw on immense experience helping Fortune® 1000 companies succeed with digital strategies, platforms, and channels. They present data-backed insights into the ways midsize and large organizations are stuck hiring, managing, organizing, and leading in obsolete “analog” ways. Next, they offer proven, practical recommendations for fundamentally changing those behaviors to leverage the nearly boundless opportunities of digital. Their complete Digital Transformation Methodology guides you through benchmarking your digital maturity, envisioning strategy, roadmapping your transformation, and implementing the capabilities you need to execute. Revive’s multiple case studies show exactly how executives are applying these ideas to go far beyond incremental improvements, and change the game. If that’s what you want, Revive is your roadmap. Why an organization’s response to digital disruption should focus on people and processes and not necessarily on technology. Digital technologies are disrupting organizations of every size and shape, leaving managers scrambling to find a technology fix that will help their organizations compete. This book offers managers and business leaders a guide for surviving digital disruptions—but it is not a book about technology. It is about the organizational changes required to harness the power of technology. The authors argue that digital disruption is primarily about people and that effective digital transformation involves changes to organizational dynamics and how work gets done. A focus only on selecting and implementing the right digital technologies is not likely to lead to success. The best way to respond to digital disruption is by changing the company culture to be more agile, risk tolerant, and experimental. The authors draw on four years of research, conducted in partnership with MIT Sloan Management Review and Deloitte, surveying more than 16,000 people and conducting interviews with managers at such companies as Walmart, Google, and Salesforce. They introduce the concept of digital maturity—the ability to take advantage of opportunities offered by the new technology—and address the specifics of digital transformation, including cultivating a digital environment, enabling intentional collaboration, and fostering an experimental mindset. Every organization needs to understand its “digital DNA” in order to stop “doing digital” and start “being digital.” Digital disruption won't end anytime soon; the average worker will probably experience numerous waves of disruption during the course of a career. The insights offered by The Technology Fallacy will hold true through them all. A book in the Management on the Cutting Edge series, published in cooperation with MIT Sloan Management Review. *This book provides a guide to the best practices in digital enablement, change management, and process optimization. It also builds on the available limited literature in the field of digital supply chain optimization and business transformation and complement it with practical and proven tactics from the industry*. The force-multiplying power of business-technology alignment is acknowledged among the biggest contributors to enterprise success in the digital age. Even so, it is a missed opportunity in most organizations, or at best, restricted to a unidimensional coalition. Successful digital enterprises define alignment between business and technology along multiple dimensions. They invest in this alignment at the level of their culture, strategy, structure, process, intellect (innovation), function, and tactics. A systematic understanding and embrace of these seven dimensions of business technology alignment is at the core of a successful digital enterprise. Using familiar workplace paradigms and relatable examples, this book builds on each dimension of business-technology alignment towards strengthening the foundation on which a successful digital enterprise stands, using tricks and tips not found in textbooks and classrooms. If you are, or aspire to be, in an organization that relies on a convergence of business and technology to achieve success, this book is meant for you. It builds upon fundamental ideas in a manner designed to strike a chord in everyone—from interns to entrepreneurs. Mastering Digital TransformationTowards a Smarter Society, Economy, City and NationEmerald Group Publishing Fuel your business’ transition into the digital age with this insightful and comprehensive resource Digital Business Transformation: How Established Companies Sustain Competitive Advantage offers readers a framework for digital business transformation. Written by Nigel Vaz, the acclaimed CEO of Publicis Sapient, a global digital business transformation company, Digital Business Transformation delivers practical advice and approachable strategies to help businesses realize their digital potential. Digital Business Transformation provides readers with examples of the challenges faced by global organizations...
and the strategies they used to overcome them. The book also includes discussions of: How to decide whether to defend, differentiate, or disrupt your organization to meet digital challenges How to deconstruct decision-making throughout all levels of your organization How to combine strategy, product, experience, engineering, and data to produce digital results Perfect for anyone in a leadership position in a modern organization, particularly those who find themselves responsible for transformation-related decisions, Digital Business Transformation delivers a message that begs to be heard by everyone who hopes to help their organization meet the challenges of a changing world.

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