

## *Digital Economy Innovations And Impacts On Society*

This book highlights the opportunities and risks of digitalization and digital transformation for our global economy at both the micro and macro level. Experts from various fields, presenting both scientific and practice-oriented perspectives, identify and critically analyse areas of tension and development potential in connection with new business models and sustainability efforts in our society. It is divided into four parts, the first of which highlights new technological advances in areas such as blockchain, cryptocurrencies and fintechs, and discusses the challenges they pose for public regulation. The second part illustrates digitalization's effects on and potential advantages for public welfare, focusing on key areas such as education, health and smart cities. The third part focuses on challenges for corporate and public management, particularly for leadership and Corporate Social Responsibility, while the fourth part discusses new dimensions for analysis based on big data. The contributions gathered here are partly an outcome of the International Conference on Digitalization, Digital Transformation and Sustainability held in Budapest in October 2020 and generously supported by the Hanns Seidel Foundation.

This book analyzes the dynamics and impacts of software development and discusses new institutional and economic changes in the context of digital market economies. Regulatory approaches in OECD countries are compared and country studies evaluated with respect to innovation and welfare aspects. The book furthermore examines telecommunications regulation of fixed line networks, cable TV and mobile communications. Also discusses the role of EU framework regulation and issues of market power.

Two years have passed since the beginning of the COVID-19 pandemic. As the economic fall-out is still being felt all around the globe, its impacts are not fully captured. In particular, the accelerated digital transformation, with digital solutions developed and used to facilitate economic and social activities from a distance, has been accompanied by a surge in e-commerce, with potentially long-lasting effects. It has also revealed wide gaps in digital readiness, especially in the most vulnerable economies. UNCTAD's research has shown that the pandemic has further exposed gaps in policy areas central to improving digital readiness in least developed countries (LDCs). Many LDCs are being challenged by the fast transition needed but have realized the vital importance to develop digital infrastructures and policies to support e-commerce and the digital economy, as well as education and health sectors. Both the public and private sectors have important roles to play in creating an enabling environment for the creation of jobs through ongoing digital innovation that is changing our economies, producing new products and services for national, regional and international markets. It is now more urgent than ever to ensure that those trailing in digital readiness can catch-up. The alternative is even greater inequalities. This note looks at key challenges facing LDCs on their digital development path and draws from our research and technical assistance especially in the area of eTrade Readiness Assessments. It provides testimonies from the public and private sectors of smart and innovative initiatives by stakeholders in various LDCs.

Digital technologies are spreading rapidly, but digital dividends--the broader benefits of faster growth, more jobs, and better services--are not. If more than 40 percent of adults in East Africa pay their utility bills using a mobile phone, why can't others around the world do the same? If 8 million entrepreneurs in China--one third of them women--can use an e-commerce platform to export goods to 120 countries, why can't entrepreneurs elsewhere achieve the same global reach? And if India can provide unique digital identification to 1 billion people in five years, and thereby reduce corruption by billions of dollars, why can't other countries replicate its success? Indeed, what's holding back countries from realizing the profound and transformational effects that digital technologies are supposed to deliver? Two main reasons. First, nearly 60 percent of the world's population are still offline and can't participate in the digital economy in any meaningful way. Second, and more important, the benefits of digital technologies can be offset by growing risks. Startups can disrupt incumbents, but not when vested interests and regulatory uncertainty obstruct competition and the entry of new firms. Employment opportunities may be greater, but not when the labor market is polarized. The internet can be a platform for universal empowerment, but not when it becomes a tool for state control and elite capture. The World Development Report 2016 shows that while the digital revolution has forged ahead, its 'analog complements'--the regulations that promote entry and competition, the skills that enable workers to access and then leverage the new economy, and the institutions that are accountable to citizens--have not kept pace. And when these analog complements to digital investments are absent, the development impact can be disappointing. What, then, should countries do? They should formulate digital development strategies that are much broader than current information and communication technology (ICT) strategies. They should create a policy and institutional environment for technology that fosters the greatest benefits. In short, they need to build a strong analog foundation to deliver digital dividends to everyone, everywhere.

**Innovation Policy and the Economy**

**E-Commerce and the Digital Economy in LDCs**

**How Information and Communication Technology Is Shaping Markets, Businesses, and Innovation**

**The Chinese Digital Economy**

**First International Conference, SPBPU IDE 2019, St. Petersburg, Russia, October 24–25, 2019, Revised Selected Papers**

Trust is a pervasive catalyst of human and business relationships that has inspired interest in researchers and practitioners alike. It has been shown to enhance engagement, communication, organizational performance, and online activities. Despite its role to cultivate cooperation, knowledge-sharing, and innovation, trust through digital means or even trust in digital media has presented new opportunities and challenges in society. Examples include a wider and faster dissemination of trust-influencing messages, and richer options of digital cues that engage, disrupt, or even transform how trust is formulated. Despite that, trust helps people to live through risky and uncertain situations, and the many capabilities enabled on the digital platforms have made the formation and sustaining of trust very different compared to traditional means. Trust in today's digital environment plays an important role and is intertwined with concepts including reliability, quality, and privacy. This book aims to bring together the theory and practice of trust in the new digital era and will present theoretical and practical foundations. Trust is not given; we must work to build it, but it is a very fragile and intangible asset once built. It is easy to destroy and challenging to rebuild. Researchers, academics, and students in the fields of management, responsibility, and business ethics will gain knowledge on trust and related concepts, learn about the theoretical underpinnings of trust and how it sustains itself through digital dissemination, and explore empirically validated practice regarding trust and its related concepts.

It is a matter of fact that technological innovation is deeply impacting on our culture, society, economy and labour market. The massive and widespread use of Artificial Intelligence and the strengthening of the collaborative economy (also known as 'gig' or 'platform' economy) are blurring the traditional legal categories and creating new requirements for protection for employed and self-employed workers. This book represents a tool to understand where we are and where we are going, focusing on old and new legal categories and labour market policies. The chapters included in this

volume cover different disciplines, such as legal informatics, labour law, social security law, civil law, and tort law, in order to offer scholars and legal specialists an overall view of ongoing changes, challenges and opportunities from a European Union law perspective.

In the 21st century, advancements in the digital world are bringing about rapid waves of change in organizational management. As such, it is increasingly imperative to discover ways for businesses to adapt to changes in the markets and seize various digital marketing opportunities. Improving Business Performance Through Innovation in the Digital Economy is an essential reference source for the latest research on the impact of digital computing. It investigates new economic and entrepreneurial approaches to enhancing community development. Featuring research on topics such as business ethics, mobile technology, and cyber security, this book is ideally designed for knowledge workers, business managers, executives, entrepreneurs, small and medium enterprise managers, academicians, researchers, students, and global leaders seeking coverage on the management of sustainable enterprises. The unprecedented Covid-19 crisis revealed the scale and scope of a new type of economy taking shape in front of our very eyes: the digital economy. This book presents a concise theoretical and conceptual framework for a more nuanced analysis of the economic and sociological impacts of the technological disruption that is taking place in the markets of goods and services, labour markets, and the global economy more generally. This interdisciplinary work is a must for researchers and students from economics, business, and other social science majors who seek an overview of the main digital economy concepts and research. Its down-to-earth approach and communicative style will also speak to businesses practitioners who want to understand the ongoing digital disruption of the market rules and emergence of the new digital business models. The book refers to academic insights from economics and sociology while giving numerous empirical examples drawn from basic and applied research and business. It addresses several burning issues: how are digital processes transforming traditional business models? Does intelligent automation threaten our jobs? Are we reaching the end of globalisation as we know it? How can we best prepare ourselves and our children for the digitally transformed world? The book will help the reader gain a better understanding of the mechanisms behind the digital transformation, something that is essential in order to not only reap the plentiful opportunities being created by the digital economy but also to avoid its many pitfalls.

Understanding the Digital Economy

The Disruption of Markets, Production, Consumption, and Work

4th International Conference, ICDEc 2019, Beirut, Lebanon, April 15–18, 2019, Proceedings

5th International Conference on Digital Economy, ICDEc 2020, Bucharest, Romania, June 11–13, 2020, Proceedings

Digital Economy. Emerging Technologies and Business Innovation

The Economic Impact of Digital Technologies

The Economic Impact of Digital Technologies offers a profoundly illuminating examination of ICT transformations in Europe and its critical role in greater social inequality. It presents and policy makers with original and practical tools to benchmark and assess the ICT diffusion and inclusion process. The core message of book is that a coherent European strategy embedding ICT technologies in society is long overdue. Social differences in ICT use persist and are in some cases widening, yet despite this fact there is a dearth of research on digital inequalities. This is of particular importance given that relative levels of ICT use, investment and research can often explain variations in economic performance between industrialized countries. The purpose of this book is to fill the gap in the literature by presenting key evidence on the economic benefits (and costs) deriving from investment in an inclusive information society. The authors propose indicators and indexes of digital development and e-Inclusion (and its flip-side e-exclusion) to assess the relationship between inclusive ICT and wider economic and social performance in Europe. Presenting the methodology to monitor countries' performance and ICT use, together with original measures and policy suggestions, this book will be indispensable to policymakers, scholars and postgraduate students in a variety of areas including economic growth, innovation, industrial and organizational studies, information and communication technology, European studies, and public and social policy.

There is a small and growing literature that explores the impact of digitization in a variety of contexts, but its economic consequences, surprisingly, remain poorly understood. This book aims to set the agenda for research in the economics of digitization, with each chapter identifying a promising area of research. Economics of Digitization identifies urgent topics with research already underway that warrant further exploration from economists. In addition to the growing importance of digitization itself, digital technologies have some features that suggest that well-studied economic models may not apply and, indeed, so many aspects of the digital economy throw normal economics in a loop. Economics of Digitization will be one of the first books on the economic implications of digitization and to bring together leading scholars in the economics of digitization to explore emerging research.

Between the 18th and 19th centuries, Britain experienced massive leaps in technological, scientific, and economical advancement

This book constitutes the refereed proceedings of the Third International Conference on Digital Economy, ICDEc 2018, held in Brest, France in May 2018. The conference was founded in 2016 to discuss innovative research and projects related to the support role of Information System Technologies in the digital transformation process, business innovation and e-commerce. The 15 papers presented in this volume were carefully reviewed and selected from 41 submissions. The theme of ICDEc 2018 was "Digital Economy: Emerging Technologies and Business Innovation". The papers were organized in topical sections named: digital marketing; e-banking and competitive intelligence; information system technologies; and e-learning, e-governance and e-health.

Mastering Digital Transformation

Impacts, Influences, and Challenges

The Impact of Disruptive Technologies in the Labour Market

Theory and Practice

Foundations, Business Models and Case Studies

Measuring Inclusion and Diffusion in Europe

Investigations of what increasing digital connectivity and the digitalization of the economy mean for people and places at the world's economic margins. Within the last decade, more than one billion people became new Internet users. Once, digital connectivity was confined to economically prosperous parts of the world; now Internet users make up a majority of the world's population. In this book, contributors from a range of disciplines and locations investigate the impact of increased digital connectivity on people and places at the world's economic margins. Does the advent of a digitalized economy mean that those in economic peripheries can transcend spatial, organizational, social, and political constraints—or do digital tools and techniques tend to reinforce existing inequalities? The contributors present a diverse set of case studies, reporting on digitalization in countries ranging from Chile to Kenya to the Philippines, and develop a broad range of theoretical positions. They consider, among other things, data-driven disintermediation, women's economic empowerment and gendered power relations, digital humanitarianism and philanthropic capitalism, the spread of innovation hubs, and two cases of the reversal of core and periphery in digital innovation.

Contributors Niels Beerepoot, Ryan Burns, Jenna Burrell, Julie Yujie Chen, Peter Dannenberg, Uwe Deichmann, Jonathan Donner, Christopher Foster, Mark Graham, Nicolas Friederici, Hernan Galperin, Catrihel Greppi, Anita Gurumurthy, Isis Hjorth, Lilly Irani, Molly Jackman, Calestous Juma, Dorothea Kleine, Madlen Krone, Vili Lehdonvirta, Chris Locke, Silvia Masiero, Hannah McCarrick, Deepak K. Mishra, Bitange Ndemo, Jorien Oprins, Elisa Oreglia, Stefan Ouma, Robert Pepper, Jack Linchuan Qiu, Julian Stenmanns, Tim Unwin, Julia Verne, Timothy Waema

Right now is the time for new opinions and new ideas to be generated and be presented as a solution. With the ever changing economic status of society, prosperity depends on the ability to run and maintain an active equilibrium between society and individuals. Therefore, it is essential for both parties to promote innovation and creativity in order to enable a proper and valuable lifestyle. Digital Economy Innovations and Impacts on Society provides theoretical and practical approaches about digital economy, increasing people's awareness on what the digital economy is and exactly what competitive advantages exist to provide information technology and innovation as its main resources. This publication focuses on rethinking the classical economic theory in the context of new technology, information, and innovation, making it a publication that brings the best research to the forefront for economics and social researchers, academicians, professionals and practitioners.

This book constitutes the refereed proceedings of the 4th International Conference on Digital Economy, ICDEc 2019, held in Beirut, Lebanon, in April 2019. The conference was founded in 2016 to discuss innovative research and projects related to the support role of Information System Technologies in the digital transformation process, business innovation and e-commerce. The 31 papers presented in this volume were carefully reviewed and selected from 89 submissions. The theme of ICDEc 2019 was "Digital Economy: Emerging Technologies and Business Innovation". The papers were organized in topical sections named: digital transformation; e-finance; social media communication; intelligent systems; e-commerce and business analytics; e-learning and cloud education; e-commerce and digital economy; data science; digital marketing; and digital business model.

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.

Innovations, Networks and Regulations

Introduction to Digital Transformation

Implications for Internet Platforms, Telecommunications Networks and Data Sharing Initiatives

Digital Economy for Customer Benefit and Business Fairness

World Development Report 2016

Innovation and Competition in the Digital Economy

The advent of the digital economy has the potential to dramatically change the conventional interrelationships among individuals, enterprises and society. There can be little doubt that to achieve vigorous socioeconomic developments in the 21st century, people will have to aggressively use information technology to boost innovation and to organically link the results of that innovation to solutions to global environmental issues and social challenges such as the opportunity divide. We are responsible for taking advantage of the opportunities opened up by the digital economy and for turning those opportunities into things that reflect our values and goals. The book examines the overall impact of the digital economy and the development of a practical institutional design.

The era of digitalization threatens the very core of business as usual for established corporations. We are at a critical time for most incumbent companies, as existing business models are failing, and corporations struggle to adapt to technological change. Current approaches often appear unstructured and are simply not radical enough. This book offers cutting-edge insights into how you can set up an operating model that leverages valuable assets of corporations and entrepreneurs who are masters of technological speed and agility. Fightback will help leaders of large organizations to incorporate a platform and ecosystem strategy in their corporate strategy, create a portfolio of digital ventures and be relentless in execution, ultimately helping them to survive and thrive in the future. Fightback is part of a movement of some of the world's leading entrepreneurs, corporate executives, academics and policy-makers who are driving the next wave of innovation.

Digital Economy Innovations and Impacts on Society

This book points out that "Internet" is the means, and the digital economy is the result. Therefore, the development of digital economy will inevitably have a profound impact on traditional enterprises and Internet enterprises and become the main way and new driving force for China's innovation and growth. The book starts with the concept of digital economy and reveals the current development of digital economy, how to improve the foundation of digital construction, and the strategies for accelerating digital transformation of various industries, the problems that need to be solved in the development of digital economy and the huge role it will play in promoting society. The book provides a clear blueprint for the government and enterprises to understand and formulate policies and development strategies in the era of digital economy.

Digital Economies at Global Margins

Introduction to Digital Economics

Digital Economy and Social Design

Proceedings of the International Conference on Sustainable Collaboration in Business, Information and Innovation (SCBTII 2019), Bandung, Indonesia, October 9-10, 2019

Improving Business Performance Through Innovation in the Digital Economy

Digital Economic Dynamics

***This book constitutes the refereed proceedings of the 5th International Conference, ICDEc 2020, held in Bucharest, Romania, in June 2020. Due to the COVID-19 pandemic the conference took place virtually. The 13 full papers presented in this volume together with 3 abstracts of keynotes and 1 introductory paper by the steering committee were carefully reviewed and selected from a total of 41 submissions. The core theme of this year's conference was "Emerging Technologies & Business Innovation". The papers were organized in four topical sections named: digital transformation, data analytics, digital marketing, and digital business models.***

***This book provides a balanced, empirically-based view of the "Digital Economy," and explores its regional and geographical import in areas where the Digital Economy meets more traditional patterns. More than just an interpretive analysis, this book utilizes empirical evidence in its assessment of the dynamics of specific regions in different parts of the world. The book also examines the policy implications of the rising Digital Economy.***

***The rapid growth of electronic commerce, along with changes in information, computing, and communications, is having a profound effect on the United States economy. President Clinton recently directed the National Economic Council, in consultation with executive branch agencies, to analyze the economic implications of the Internet and electronic commerce domestically and internationally, and to consider new types of data collection and research that could be undertaken by public and private organizations. This book contains work presented at a conference held by executive branch agencies in May 1999 at the Department of Commerce. The goals of the conference were to assess current research on the digital economy, to engage the private sector in developing the research that informs investment and policy decisions, and to promote better understanding of the growth and socioeconomic implications of information technology and electronic commerce. Aspects of the digital economy addressed include macroeconomic assessment, organizational change, small business, access, market structure and competition, and employment and the workforce.***

***This proceedings book contains papers presented at the XI International Online Forum named after A.Ya. Kibanov "Innovative Personnel Management," which took place in Moscow, Russian Federation, 15th April-5th May 2020. Organized by Moscow State University of Management, the Forum chiefly focused on HR management issues under conditions of active penetration of IT into the management and economic sphere. The authors of contributions included in this book examine both the theoretical basis for the development of the labor landscape in our digital future, and specific practical issues related to the real business practice. The book includes results of multidisciplinary studies on the following issues: employment and the labor market: a future perspective; current trends of HR management development in digital conditions; IT for creating healthy work conditions; digital transformation and new architecture of the labor market; innovative, strategic HR management and HR analytics; leadership, etc. The book consists of six parts corresponding to thematic areas of the Forum. The first part deals with the transformation of the labor market under the influence of digitalization and international economic relations. The second part is devoted to the analysis of the current changes in the HR management caused by digitalization, as well as issues of creating a healthy work environment and managing well-being with information technology. New architecture of the labor market is considered in the third part of the book in the face of the global uncertainty and the application of digital technology in entrepreneurial activities. The fourth part investigates innovative approaches to the personnel development: from resource management to capacity management. The fifth part presents strategic HR management and HR analytics in the context of current macro-calls. And finally, the sixth part is aimed at considering leadership aspects and relations between investments in the human capital and needed business results. This book is a combination of different scientific opinions and research works of scholars from different countries and regions, offering us a colorful picture of the future labor landscape: jobs, competences and skills that will be in demand.***

***Digital Economy Innovations and Impacts on Society***

***Legal Issues in the Digital Economy***

***Economic Analysis of the Digital Economy***

***Digital Economy***

***Fightback***

***Promise and Peril in the Age of Networked Intelligence***

*Annotation Digital Economy provides information about the socioeconomic aspects of the digital economy. This set of eighteen essays covers the effects of digital economy on business transactions, technology and culture, as well as on education. It also covers various aspects of global production, trade, and investment and the effects of the Internet.*

*This book constitutes the revised and extended papers of the First International Conference on Innovations in Digital Economy, SPBU IDE 2019, held in St. Petersburg, Russia, in October 2019. The 8 papers presented were thoroughly reviewed and selected for publication from 78 submissions. The papers are organized according the following topical sections: economic efficiency and social consequences of digital innovations implementation; industrial, service and agricultural digitalization; regional innovation systems and clusters as drivers of the economic growth during the Fourth Industrial Revolution; response of an educational system and labor market to the digital-driven changes in the economic system.*

*Leading economists discuss how economic policy can stimulate technological innovation.*

*This book aims to inform the non-IT specialist about the technological revolution that is taking place and, specifically, how the digital component of it is affecting our lives. It is hoped that this information will fill possible information gaps in readers' mental model, enabling them to make better-informed decisions. This book can also be used as a textbook in a stand-alone introductory course to the digital revolution and its effects on society. The course could be used in both bachelor and master degree programs in business management, healthcare management, sociology, or any other non-IT programs. Chapter 1. This chapter, although the longest, is a brief review of the interactions between technology, economy, and politics. The subject is a much neglected one, and I believe that understanding of these interactions is vital for understanding the underlying causes of some of our most important pressing issues. The chapter discusses the interactions between technologies, economy, and politics, examining the effect of technologies on economic development and political ideologies. Chapter 2. This chapter deals with technological revolutions in general and the digital revolution in particular. I shall discuss the components of the digital economy. These being: knowledge, digitisation, virtualisation, molecularization, integration/internetworking, disintermediation, convergence, innovation, sharing economy, immediacy, and discordant. In addition, we shall examine the disruptors that are changing the face of competition in the marketplace. Chapter 3. This chapter deals with digital transformation, i.e., the process of using digital technology in all areas of business, changing the way the businesses operate and deliver value to their customers. We shall examine models for dealing with digital transformation. Chapter 4. We shall examine one of the most important developments of the 21st century, namely the advancements in Artificial Intelligence (AI). We shall look at how the human brain works and what is intelligence. We shall look at the artificial neural networks, machine learning, and deep learning. We shall also look at the deployment of AI in various fields such as healthcare, finance, Natural Language Processing (NPL), news media, and warfare. Chapter 5. This chapter deals with one of the most controversial and yet promising developments in finance and distributed secure databases, namely cryptocurrencies and blockchains. This subject is divided into two parts — the first part deals with the cryptocurrencies, and their viability as currencies. One of the most popular cryptocurrencies, the Bitcoin, will be examined in depth. The second part is somewhat technical and deals with the inner workings of the blockchains. As with cryptocurrencies, many see a bright future for the blockchains, especially in the form of smart contracts. Many believe that blockchains will be of great value in areas such as finance, handling contracts, healthcare and more. Blockchain promises to bring disintermediation to many industries and thereby reduce costs. Chapter 6. Technological revolutions tend to disrupt the lives of many middle-aged and older workers. New technologies give birth to new industries, destroying the old industries in the process. New technologies often require special skills that the old industry workers do not possess. The laid-off workers of the old industries can seldom find jobs in new industries since the new industries often rely on new technologies and skills that the old-industry workers do not possess. These workers need training, something that the prospective employers do not provide. Also, the new technologies, including AI, are automating many tasks, reducing the need for human workers. This chapter discusses the issue of automation and its effect on employment. Additionally, the type of jobs that are in danger of automation is discussed as well. Chapter 7. While chapter six discussed the employment situation, chapter seven considers the type of education required by the new industries. Also, the weaknesses of the existing educational system are considered, and alternative systems are proposed. Chapter 8. History tells us that whenever there has been a technological revolution, it has been accompanied by a shift in power, both nationally and internationally. The global shift of power has seldom been a peaceful affair. It often has resulted in major wars and global reorientation. This chapter discusses the possibility of the global shift of power. Currently, there are not that many countries or entities that can be considered as contenders. Of the three, Russia, European Union, and China, only one, China, is considered to have any chance of wresting power from the United States. The technological, economic and military power of China is compared and contrasted with the United States'.*

*The Economics of Digital Transformation*

*Trust, Organizations and the Digital Economy*

*The Digital Economy*

*Third International Conference, ICDEc 2018, Brest, France, May 3-5, 2018, Proceedings*

*How to win in the digital economy with platforms, ventures and entrepreneurs*

*and its impact on society*

*Advancements in the digital world are bringing about rapid waves of change in organizational management. As such, it is increasingly imperative to discover ways for businesses to adapt to changes in the markets and seize various digital market opportunities. Driving Innovation and Business Success in the Digital Economy is an essential reference source for the latest research on the impact of digital computing and emerging technological innovations in the realm of business success. Featuring extensive coverage across a range of relevant perspectives and topics, such as IT outsourcing, sustainable development and online advertising, this publication is ideally designed for researchers, professionals and students seeking current research on the complex scope of the new economy.*

*"This book provides theoretical and practical approaches to the digital economy, increasing people's awareness on what the digital economy is and exactly what competitive advantages exist to provide information technology and innovation as its main resources"--Provided by publisher.*

*Looks at how the Internet is affecting businesses, education, and government, touching on the twelve themes of the new economy and privacy issues*

*The international conference "Sustainable Collaboration in Business, Technology, Information and Innovation (SCBTII) 2019" has brought together academics, professionals, entrepreneurs, researchers, learners, and other related groups from around the world who have a special interest in theories and practices in the development of the field of digital economy for global competitiveness. Considering that, at present, technology and industry 4.0 are still a leading trend and offer great opportunities for global businesses, the rise of industry 4.0 makes competition in the business world more attractive, yet*

*fierce. Opportunities and challenges for business development in industry 4.0 are becoming firm and it also provides businesses the possibility to compete globally. Companies that desire to enter this global competition should pay attention to customer benefits and business fairness in order to achieve sustainability in this digital economy. This proceedings volume contains selected papers from this conference and presents opportunities to communicate and exchange new ideas and experiences. Moreover, the conference provided opportunities, both for the presenters and the participants, to establish research relations, and find global partners for future collaboration.*

*Innovations in Digital Economy*

*Towards a Smarter Society, Economy, City and Nation*

*Digital Economy and the New Labor Market: Jobs, Competences and Innovative HR Technologies*

*Driving Innovation and Business Success in the Digital Economy*

*At Breaking Point in COVID Times*

*Business Innovation, Development, and Advancement in the Digital Economy*

*Information technologies (IT) shape economic space, but we have no clear map of the cyber economy since the "digital revolution" began in the early 1970s. The Digital Economy offers an up-to-date, critical synthesis that links the various aspects of the digital or cyber economy from the perspective of real firms. A geographic approach emphasizes how IT has made businesses less dependent on locational constraints, and the tangible effects on places and regions are placed at the core of the analysis. Case studies of companies, including Amazon, Dell, Li & Fung, and Volvo, demonstrate that the geography of digitally-driven production is the outcome of both dispersion and agglomeration dynamics. Global corporations are shown to have footprints that ignore – to some degree – distance and time, yet creative and coordinating activities remain anchored in urban innovative ecosystems such as Silicon Valley and Bangalore. These trends have been made possible by the development of a worldwide and integrated telecommunications network, whose unequal presence dictates the capabilities of places and communities to be connected to the global economy. However, the threat of the digital divide must not be overstated. In cities, rural areas, and emerging countries, local development is wrapped up in human capital, rather than technology. This engaging and accessible text describes and explains the patterns and dynamics of today's digital economic space. The effects on places and regions and the people in them are at the core of the authors' analysis, illustrated by many real examples. This book will be useful to anyone studying business and management, geography and information and communication studies.*

*The International Journal of Mobile Human Computer Interaction (IJMHCI) brings together a comprehensive collection of research articles from international experts on the design, evaluation, and use of innovative handheld, mobile, and wearable technologies. This journal will also consider issues associated with the social and/or organizational impacts of such technologies. Emerging theories, methods, and interaction designs are included and complemented with case studies, which demonstrate the practical application of these new ideas.*

*Innovations and developments in technology have laid the foundations for an economy based on digital goods and services—the digital economy. Digital Economics: How Information and Communication Technology is Shaping Markets, Businesses, and Information invites you to take an in-depth look at the impact that technological innovations such as social media, cryptocurrencies, crowdsourcing, and even online gaming has had on today's business landscape. Learn about the various business models available for the digital economy, including the business models used by Bitcoin, Spotify, Wikipedia, World of Warcraft, Facebook, and Airbnb. Peppered with anecdotes on the various technological innovations which have shaped markets throughout history, Digital Economics details the evolution of contemporary economics within the digital stratosphere and highlights the complex ecosystem that makes up the field of digital economics. Including models and tools that are essential for analysis and better understanding of the digital economy, as well as activities which will allow the reader to reflect, analyze, and apply the knowledge and tools presented in each chapter, Digital Economics is a definitive guide to the complexities and nuances of this burgeoning and fascinating field of study.*

*Innovations and developments in technology have laid the foundations for an economy based on digital goods and services—the digital economy. This book invites students and practitioners, to take an in-depth look at the impact that technological innovations such as social media, cryptocurrencies, crowdsourcing, and even online gaming is having on today's business landscape. Learn about the various business models available for the digital economy, including the business models used by Bitcoin, Spotify, Wikipedia, World of Warcraft, Facebook, and Airbnb. This book details the evolution of contemporary economics within the digital stratosphere and highlights the complex ecosystem that makes up the field of digital economics. The foundational text with case studies is also peppered with anecdotes on the various technological innovations which have shaped markets throughout history. The authors provide several models and tools that are essential for analysis, as well as activities that will allow the reader to reflect, analyze, and apply the knowledge and tools presented in each chapter. Introduction to Digital Economics is a definitive guide to the complexities and nuances of this burgeoning and fascinating field of study.*

*The Emerging Digital Economy*

*The Fourth Industrial Revolution*

*International Journal of Innovation In the Digital Economy*

*Entrepreneurship, Clusters, and Policy*

*Digital Economics*

*Promoting Competition, Innovation, and Opportunity : a Statement*

Digital technologies maintain an important tool in today's business economy. As the economy continues to change, businesses seek out solutions in order to enhance and develop their organization. Business Innovation, Development, and Advancement in the Digital Economy highlights the competitive advantages on the emerging digital economy. Bringing together the classic economy theory and the developments of new technology, this book provides research on current innovations in the digital economy. It is vital resource for practitioners, researchers as well as graduate and undergraduate students.

Digitalization, Digital Transformation and Sustainability in the Global Economy

Business Organization, Production Processes and Regional Developments

International Journal of Innovation in the Digital Economy (IJIDE), Volume 3

Risks and Opportunities

Digital Dividends

Data, Tools, and Research