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# Oxford Blockchain Strategy Programme Getsmarter

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A Compass and Torchbearer for the Technocrats

Robot Rules

Bitcoin and Cryptocurrency Technologies

Cloudonomics

Redesigning Organizations

Cognitive Computing Fundamentals for Better Decision Making

Get Fit for Digital Business

Strategic Implications For Small- and Medium-Sized Force Providers

The Financial Technology Handbook for Investors, Entrepreneurs and Visionaries in Regulation

Managing the Global Firm (RLE International Business)

Strategy as Practice

International Handbook of Education for the Changing World of Work

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The Today and Future of WSN, AI, and IoT  
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*Oxford Blockchain Strategy  
Programme Getsmarter*

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## **NELSON RIGGS**

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[A Compass and Torchbearer for the Technocrats](#) Routledge  
Strategy is becoming more 'open' - more transparent and more inclusive. Opening Strategy tells the story of how corporate strategists and strategy consultants have worked since the middle of the last century to open up the strategy process. First strategic planning, then strategic management, and now 'open strategy' have all brought more people into the strategy process and provided more strategic information, for the benefit of both business and society at large. Informed by interviews with corporate strategists and consultants at leading firms such as General Electric and McKinsey & Co, and drawing on the historical

archives of strategy's pioneers, this book provides vivid insights into the trials and tribulations of practice change in the strategy profession. Above all, it stresses the hard work of the little recognized and sometimes eccentric individuals who have been leaders in practice change. By building on a wide range of illustrations, covering both successes and failures, the book draws out general lessons for practice innovation in strategy. Those studying the topic will be able to set standard strategy techniques in historical and social context and develop new areas for investigation, while practising executives and consultants should gain a sense of how to innovate in strategy - and how not to.

[Robot Rules](#) Springer Nature

The Future of Business explores how the commercial world is being transformed by the complex interplay between social,

economic and political shifts, disruptive ideas, bold strategies and breakthroughs in science and technology. Over 60 contributors from 21 countries explore how the business landscape will be reshaped by factors as diverse as the modification of the human brain and body, 3D printing, alternative energy sources, the reinvention of government, new business models, artificial intelligence, blockchain technology, and the potential emergence of the Star Trek economy.

#### Bitcoin and Cryptocurrency Technologies Apress

The Regulatory Technology Handbook The transformational potential of RegTech has been confirmed in recent years with US\$1.2 billion invested in start-ups (2017) and an expected additional spending of US\$100 billion by 2020. Regulatory technology will not only provide efficiency gains for compliance and reporting functions, it will radically change market structure and supervision. This book, the first of its kind, is providing a comprehensive and invaluable source of information aimed at corporates, regulators, compliance professionals, start-ups and policy makers. The REGTECH Book brings into a single volume the curated industry expertise delivered by subject matter experts. It serves as a single reference point to understand the RegTech eco-system and its impact on the industry. Readers will learn foundational notions such as:

- The economic impact of digitization and datafication of regulation
- How new technologies (Artificial Intelligence, Blockchain) are applied to compliance
- Business use cases of RegTech for cost-reduction and new product origination
- The future regulatory landscape affecting financial institutions, technology companies and other industries

Edited by world-class academics and written by compliance

professionals, regulators, entrepreneurs and business leaders, the RegTech Book represents an invaluable resource that paves the way for 21st century regulatory innovation.

#### **Clouconomics** CRC Press

This book explains why AI is unique, what legal and ethical problems it could cause, and how we can address them. It argues that AI is unlike any other previous technology, owing to its ability to take decisions independently and unpredictably. This gives rise to three issues: responsibility--who is liable if AI causes harm; rights--the disputed moral and pragmatic grounds for granting AI legal personality; and the ethics surrounding the decision-making of AI. The book suggests that in order to address these questions we need to develop new institutions and regulations on a cross-industry and international level.

Incorporating clear explanations of complex topics, Robot Rules will appeal to a multi-disciplinary audience, from those with an interest in law, politics and philosophy, to computer programming, engineering and neuroscience.

#### **Redesigning Organizations** Greenhaven Publishing LLC

How should we make decisions when we're uncertain about what we ought, morally, to do? Decision-making in the face of fundamental moral uncertainty is underexplored terrain: MacAskill, Bykvist, and Ord argue that there are distinctive norms by which it is governed, and which depend on the nature of one's moral beliefs.

#### Cognitive Computing Fundamentals for Better Decision Making

Springer

This volume assesses the situation for multinationals at the beginning of the 1990s, bringing together contributions from

academics recognized as world leaders in the field and from practitioners with wide experience in international management. Drawing on perspectives from Europe, the USA and Japan, the contributors outline the shape of the global firm of the future. They focus squarely on the development of the corporation as a whole, rather than on the narrow management of individual foreign subsidiaries, and they also explore the specific implications for areas such as strategic planning systems, financial management, information systems and R & D management.

*Get Fit for Digital Business* Routledge

This book exemplifies the potential of FinTech to deliver important economic and societal gains, such as enhancing competition and financial inclusion to deliver tailored financial products and services at more affordable prices and at greater convenience. The emergence of FinTech directly challenges the business models of incumbent financial intermediaries like banks, which are adapting by developing their own FinTech offerings and partnering with FinTech and large technology firms. FinTech also constitutes both known and unknown risks to financial stability and challenges regulators to evaluate whether existing regulations are sufficient. The emergence of FinTech as a global phenomenon requires insightful cross-country analysis and different perspectives to evaluate its development and associated opportunities and challenges. This book will be of interest to practitioners, regulators and students of this essential enabling technology that is a major component of the Fourth Industrial Revolution.

Strategic Implications For Small- and Medium-Sized Force

Providers Hachette+ORM

Silicon Valley tries to disrupt the world — and the world says “no.” Facebook: the biggest social network in history. A stupendous, world-shaping success. But governments were giving Facebook trouble over personal data abuses, election rigging and fake news. Mark Zuckerberg wondered: what if Facebook could pivot to finance? Or, better: what if Facebook started its own private world currency? Facebook could have so much power that governments couldn’t stop them. It would be the Silicon Valley dream. Facebook launched Libra in June 2019. Libra would be an international currency and payment system. It would flow instantly around the world by phone. It could even “bank the unbanked.” Libra could apparently do all this just by using a “blockchain.” But Libra would also make Facebook too big to control— and to lead the way for Facebook’s Silicon Valley fellows to swing the power of their money as they pleased. Facebook and their friends could work around any single country’s rules. Libra could shake whole economies. And Facebook would become the “digital identity” provider to the world. If you wanted to use money at all, you’d have to go through Facebook. Governments looked at Libra — and they saw another 2008 financial crisis in the making. Facebook’s plan would have made the company even more entrenched — at the cost of broken economies worldwide. Starting with toppling the US dollar. Libra was as incompetent as it was arrogant — and the world stopped it in its tracks. But how did Facebook put forward such a bizarre and ill-considered plan, that left every regulator who saw it reeling in horror? And what happens when another company tries the same trick? Or when Facebook won’t take “no” for an answer, and

releases the cut-down version that they're already calling "Libra 2.0"? "Libra Shrugged" is the story of a bad idea. Also covered: \* Bitcoin and cryptocurrency: the source of all the bad ideas in Libra. \* Central Bank Digital Currencies: digital versions of official legal tender, suddenly fashionable again because of Libra. \* Facebook's early forays into payments, with Facebook Credits and Messenger Payments. Table of Contents Introduction: Taking over the money 7 Chapter 1: A user's guide to Libra 9 Chapter 2: The genesis of Libra: Beller's blockchain 15 Chapter 3: To launch a Libra: Let's start a crypto 19 Chapter 4: Bitcoin: why Libra is like this 25 Chapter 5: The Libra White Papers 33 Chapter 6: Banking the unbanked 43 Chapter 7: The Libra Reserve plan and economic stability 49 Chapter 8: Libra, privacy and your digital identity 61 Chapter 9: The regulators recoil in horror 67 Chapter 10: David Marcus before the US House and Senate 77 Chapter 11: July to September 2019: Libra runs the gauntlet 95 Chapter 12: October 2019: Libra's bad month 101 Chapter 13: Mark Zuckerberg before the US House 111 Chapter 14: November 2019: The comedown 123 Chapter 15: Central bank digital currencies 129 Epilogue: Libra 2.0: not dead yet 141 Appendix: 2010-2013: The rise and fall of Facebook Credits 149 Acknowledgements 155 About the author 157 Index 161 Notes 167

BPB Publications

Doors are never locked for smart software and smart devices that are trained by smart people KEY FEATURES - A book for everyone interested to know more about WSN, AI, and IoT - Discover various Open source tools & techniques for research and development in these felids - An easy-to-understand guide that

will help you get familiar with the upcoming developments in WSN, AI, and IoT DESCRIPTION Almost every industry is looking for solutions for the best performance in the work that they produce. Researchers and developers are developing promising solutions that address the industrial problems to increase the effectiveness and efficiency of either the product or the service. This paradigm has changed the way many solutions and services are designed. Wireless Sensor Networks (WSN) are the backbone implementation for the Internet of Things (IoT) to be realized. For the IoT to produce efficient results, Artificial Intelligence (AI) becomes the key assistance; however, it needs careful modeling. The content for the book is planned and prepared in such a way that you will be able to understand the concept and can interpret it for their use. The concepts, technologies, processes that are discussed in the book are contemporary and futuristic. Every chapter is well planned to be a subsequent chapter for the previous. In the Summary section of each chapter, there are a few review questions and a case for research. WHAT WILL YOU LEARN - Learn about the most popular AI & IoT research topics - Discover a few WSN, IoT and AI Simulators - Get to know more about the fusion of Blockchain and IoT technologies - Know more about the AI and IoT predictions in the global scenario - Become aware of the various multi-disciplinary research based on WSN, AI, and IoT WHO THIS BOOK IS FOR By nature, every human is anxious to learn and would be benefited when they find the right direction. This book is truly intended for all students, teachers, product designers, opensource developers. However, it does not limit them alone. Those who have stepped into research, afresh, will find this book a more exciting one. TABLE OF CONTENTS 1.

Introduction 2. WSN, AI, and IoT: Future Shock 3. Active Research Areas of WSN, AI, and IoT 4. Simulators of WSN, AI, and IoT 5. Blockchain for WSN, AI, and IoT 6. What is Next? 7. State of AI and IoT by 2050

**The Financial Technology Handbook for Investors, Entrepreneurs and Visionaries in Regulation** Springer

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

**Managing the Global Firm (RLE International Business)** W. W. Norton & Company

With cryptocurrencies like Bitcoin on the rise, many wonder if these digital currencies could be the exchange medium of the future, but what are cryptocurrencies and the blockchain technology that facilitates them? Blockchain technology involves linking a series of digital records through cryptography without the use of a centralized server, which when applied to asset exchange creates cryptocurrencies. However, there are various concerns about the ability to regulate cryptocurrencies, their stability, and whether they can be applied on a global scale. This volume enables readers to better understand these new technologies and the controversies surrounding them.

Strategy as Practice John Wiley & Sons

Modernizing Learning: Building the Future Learning Ecosystem is an implementation blueprint for connecting learning experiences across time and space. This co-created plan represents an advancement of how and where learning will occur in the future. Extensive learning and technological research has been conducted across the myriad disciplines and communities needed

to develop this holistic maturation of the learning continuum. These advancements have created the opportunity for formal and informal learning experiences to be accessible anywhere, anytime, and to be personalized to individual needs. However, for full implementation and maximal benefits for learners of all ages and within all communities to be achieved, it is necessary to centralize and coordinate the required connections across technology, learning science, and the greater supporting structures. Accordingly, the ADL Initiative has taken the lead in this coordination process, connecting Government, Military, Academia, Industry, and K-12 teachers, instructors, technologists, researchers, and implementers to create and execute a coordinated transition process. Input was included from stakeholders, communities, and supporting entities which will be involved in this advancement of the life-long learning ecosystem.

**International Handbook of Education for the Changing World of Work** Springer Nature

The Fintech Entrepreneur's Guide to Regulation and Regulatory Strategy Fintech has been growing dramatically over the last few years, and it is now an important sector in its own right. This means that Fintech companies, who could so far often rely on a comparatively lenient regulatory regime, will now have to give serious thoughts on compliance with applicable regulatory rules. Operating in a highly regulated environment is tedious, but not all bad—companies that can play the regulatory game well have a strategic advantage, especially with regard to time-to-market and scaling. Nothing spells missed opportunity like a competitor building market share with a copycat product whilst you are still waiting for your license! Written for professionals, this book helps

anyone whose job has to do with formulating or executing a Fintech startup strategy or whose job touches financial services regulation, or anyone who simply wants an easy- to-read introduction to financial services and their regulation. Describes the purpose of and principle behind modern financial services regulation Explains how to include regulation into a startup's strategic planning to optimize time-to-market and scaling Gives an overview of the entire financial services space, and which regulations apply where Gives detailed references to 20 key regulations in the EU regulatory system, including PSD, GDPR, CRD, AMLD, MiFID, UCITSD, AIFMD The first part introduces financial services regulation, its purpose, how it is created (especially in the EU and in the US), and it develops a framework for including regulations into the strategic planning of a company. It also gives a rundown of the current financial services space—players and products—and its key regulations. The second part describes a regulatory system in more detail. The system chosen is the EU because it is more consistent and unified than the US system where a lot of the regulation still is created at the state-level. However, as most financial regulation nowadays is determined at the global level, the principles found in EU regulation will be by and large also be found the US and other systems.

[Financial Inclusion in Emerging Markets](#) Springer

An authoritative introduction to the exciting new technologies of digital money Bitcoin and Cryptocurrency Technologies provides a comprehensive introduction to the revolutionary yet often misunderstood new technologies of digital currency. Whether you are a student, software developer, tech entrepreneur, or

researcher in computer science, this authoritative and self-contained book tells you everything you need to know about the new global money for the Internet age. How do Bitcoin and its block chain actually work? How secure are your bitcoins? How anonymous are their users? Can cryptocurrencies be regulated? These are some of the many questions this book answers. It begins by tracing the history and development of Bitcoin and cryptocurrencies, and then gives the conceptual and practical foundations you need to engineer secure software that interacts with the Bitcoin network as well as to integrate ideas from Bitcoin into your own projects. Topics include decentralization, mining, the politics of Bitcoin, altcoins and the cryptocurrency ecosystem, the future of Bitcoin, and more. An essential introduction to the new technologies of digital currency Covers the history and mechanics of Bitcoin and the block chain, security, decentralization, anonymity, politics and regulation, altcoins, and much more Features an accompanying website that includes instructional videos for each chapter, homework problems, programming assignments, and lecture slides Also suitable for use with the authors' Coursera online course Electronic solutions manual (available only to professors)

**Smart Grids and Big Data Analytics for Smart Cities** Oxford University Press (UK)

"Moral Hazard is a core concept in economics. In a nutshell, moral hazard reflects the reduced incentive to protect against risk where an entity is (or believes it will be) protected from its consequences, whether through an insurance arrangement or an implicit or explicit guarantee system. It is fundamentally driven by information asymmetry, arises in all sectors of the economy,

including banking, medical insurance, financial insurance, and governmental support, undermines the stability of our economic systems and has burdened taxpayers in all developed countries, resulting in significant costs to the community. Despite the seriousness and pervasiveness of moral hazard, policymakers and scholars have failed to address this issue. This book fills this gap. It covers 200 years of moral hazard: from its origins in the 19th century to the bailouts announced in the aftermath of the COVID-19 outbreak. The book is divided into three parts. Part I deals with the ethics and other fundamental issues connected to moral hazard. Part II provides historical and empirical evidence on moral hazard in international finance. It examines in turn the role of the export credit industry, the international lender of last resort, and the IMF. Finally, Part III examines specific sectors such as automobile, banking, and the US industry at large. This is the first book to provide an interdisciplinary analysis of moral hazard and explain why addressing this issue has become crucial today. As such, it will attract interest from scholars across different fields, including economists, political scientists and lawyers"--

*The Digital Matrix* Currency

This book, written jointly by an engineer and artificial intelligence expert along with a lawyer and banker, is a glimpse on what the future of the financial services will look like and the impact it will have on society. The first half of the book provides a detailed yet easy to understand educational and technical overview of FinTech, artificial intelligence and cryptocurrencies including the existing industry pain points and the new technological enablers. The second half provides a practical, concise and engaging overview of their latest trends and their impact on the future of

the financial services industry including numerous use cases and practical examples. The book is a must read for any professional currently working in finance, any student studying the topic or anyone curious on how the future of finance will look like.

Artificial Intelligence and the Two Singularities Springer Nature

This book is a clear and informative introduction to cryptography and data protection - subjects of considerable social and political importance. It explains what algorithms do, how they are used, the risks associated with using them, and why governments should be concerned. Important areas are highlighted, such as Stream Ciphers, block ciphers, public key algorithms, digital signatures, and applications such as e-commerce. This book highlights the explosive impact of cryptography on modern society, with, for example, the evolution of the internet and the introduction of more sophisticated banking methods. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

**Blockchain Technology: Applications and Challenges** John Wiley & Sons

Artificial intelligence (AI) is on everybody's minds these days. Most of the world's leading companies are making massive investments in it. Governments are scrambling to catch up. Every single one of us who uses Google Search or any of the new digital assistants on our smartphones has witnessed first-hand how quickly these developments now go. Many analysts foresee truly



disruptive changes in education, employment, health, knowledge generation, mobility, etc. But what will AI mean for defense and security? In a new study HCSS offers a unique perspective on this question. Most studies to date quickly jump from AI to autonomous (mostly weapon) systems. They anticipate future armed forces that mostly resemble today's armed forces, engaging in fairly similar types of activities with a still primarily industrial-kinetic capability bundle that would increasingly be AI-augmented. The authors of this study argue that AI may have a far more transformational impact on defense and security whereby new incarnations of 'armed force' start doing different things in novel ways. The report sketches a much broader option space within which defense and security organizations (DSOs) may wish to invest in successive generations of AI technologies. It suggests that some of the most promising investment opportunities to start generating the sustainable security effects that our polities, societies and economies expect may lie in the realms of prevention and resilience. Also in those areas any large-scale application of AI will have to result from a preliminary open-minded (on all sides) public debate on its legal, ethical and privacy implications. The authors submit, however, that such a debate would be more fruitful than the current heated discussions about 'killer drones' or robots. Finally, the study suggests that the advent of artificial super-intelligence (i.e. AI that is superior across the board to human intelligence), which many experts now put firmly within the longer-term planning horizons of our DSOs, presents us with unprecedented risks but also opportunities that we have to start to explore. The report contains an overview of the role that 'intelligence' - the

computational part of the ability to achieve goals in the world - has played in defense and security throughout human history; a primer on AI (what it is, where it comes from and where it stands today - in both civilian and military contexts); a discussion of the broad option space for DSOs it opens up; 12 illustrative use cases across that option space; and a set of recommendations for - especially - small- and medium sized defense and security organizations.

#### The Impact of FinTech, AI, and Crypto on Financial Services Routledge

This open access book proposes a novel approach to Artificial Intelligence (AI) ethics. AI offers many advantages: better and faster medical diagnoses, improved business processes and efficiency, and the automation of boring work. But undesirable and ethically problematic consequences are possible too: biases and discrimination, breaches of privacy and security, and societal distortions such as unemployment, economic exploitation and weakened democratic processes. There is even a prospect, ultimately, of super-intelligent machines replacing humans. The key question, then, is: how can we benefit from AI while addressing its ethical problems? This book presents an innovative answer to the question by presenting a different perspective on AI and its ethical consequences. Instead of looking at individual AI techniques, applications or ethical issues, we can understand AI as a system of ecosystems, consisting of numerous interdependent technologies, applications and stakeholders. Developing this idea, the book explores how AI ecosystems can be shaped to foster human flourishing. Drawing on rich empirical insights and detailed conceptual analysis, it suggests practical

measures to ensure that AI is used to make the world a better place.

*How Facebook Tried to Take Over the Money* Cambridge

University Press

The Future of Finance  
The Impact of FinTech, AI, and Crypto on  
Financial Services  
Springer