

Blockchain Regulation And Governance In Europe En

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Blockchain Regulation and Governance in Europe Michèle Finck 2018-12-20 Finck examines the emergence of blockchains (and other forms of distributed ledger technologies) and the implications for regulation and governance.

Identity and Privacy Governance Andrej Zwitter 2021-10-29

Algorithmic Regulation Karen Yeung 2019-09-05 As the power and sophistication of 'big data' and predictive analytics has continued to expand, so too has policy and public concern about the use of algorithms in contemporary life. This is hardly surprising given our increasing reliance on algorithms in daily life, touching policy sectors from healthcare, transport, finance, consumer retail, manufacturing education, and employment through to public service provision and the operation of the criminal justice system. This has prompted concerns about the need and importance of holding algorithmic power to account, yet it is far from clear that existing legal and other oversight mechanisms are up to the task. This collection of essays, edited by two leading regulatory governance scholars, offers a critical exploration of 'algorithmic regulation', understood both as a means for co-ordinating and regulating social action and decision-making, as well as the need for institutional mechanisms through which the power of algorithms and algorithmic systems might themselves be regulated. It offers a unique perspective that is likely to become a significant reference point for the ever-growing debates about the power of algorithms in daily life in the worlds of research, policy and practice. The range of contributors are drawn from a broad range of disciplinary perspectives including law, public administration, applied philosophy, data science and artificial intelligence. Taken together, they highlight the rise of algorithmic power, the potential benefits and risks associated with this power, the way in which Sheila Jasanoff's long-standing claim that 'technology is politics' has been thrown into sharp relief by the speed and scale at which algorithmic systems are proliferating, and the urgent need for wider public debate and engagement of their underlying values and value trade-offs, the way in which they affect individual and

collective decision-making and action, and effective and legitimate mechanisms by and through which algorithmic power is held to account.

Cryptocurrencies and Cryptoassets Andrew Haynes 2020-05-19 This book examines the legal and regulatory aspects of cryptocurrency and blockchain and the emerging practical issues that these issues involve. The analysis covers a range of advanced economies across the world, in America, Europe and Asia. The book describes, explains and analyses the nature of cryptocurrencies and the blockchain systems they are constructed on in these major world economies and considers relevant law and regulation and their shortcomings. It will be of use and interest to academics, lawyers, regulators and anyone involved with cryptocurrencies and blockchain.

Regulatory Aspects of Artificial Intelligence on Blockchain Tehrani, Pardis Moslemzadeh 2021-09-24 The convergence of Artificial Intelligence (AI) in blockchain creates one of the world's most reliable technology-enabled decision-making systems that is virtually tamper-proof and provides solid insights and decisions. The integration of AI and Blockchain affects many aspects from food supply chain logistics and healthcare record sharing to media royalties and financial security. It is imperative that regulatory standards are emphasized in order to support positive outcomes from the integration of AI in blockchain technology. *Regulatory Aspects of Artificial Intelligence on Blockchain* provides relevant legal and security frameworks and the latest empirical research findings in blockchain and AI. Through the latest research and standards, the book identifies and offers solutions for overcoming legal consequences that pertain to the application of AI into the blockchain system, especially concerning the usage of smart contracts. The chapters, while investigating the legal and security issues associated with these applications, also include topics such as smart contracts, network vulnerability, cryptocurrency, machine learning, and more. This book is essential for technologists, security analysts, legal specialists, privacy and data security practitioners, IT consultants, standardization professionals, researchers, academicians, and students interested in blockchain and AI from a legal and security viewpoint.

Organizing-for-Innovation Mark Fenwick 2022-11-30 This book argues that large corporations need to implement governance practices and processes that make them better innovators and that the challenge is to identify organizational principles and practices that provide the best chance of delivering innovative products to create a meaningful consumer experience. In this context, it is important to recognize that when we address organizational forms, we are not thinking of corporate governance in the sense of managing agency costs and ensuring regulatory compliance, but the more pressing business task of putting in place organizational systems and processes that facilitate value creation through continued and sustained innovation. The book examines how the contemporary concept and discourse of corporate governance may be obsolete or, at least, is increasingly disconnected from the needs and realities of the most innovative firms today. The concept of organizing for innovation—identifying process and practices that deliver the best opportunities for innovation—needs to take centre stage. This book aims to contribute to the nascent debate in this area by bringing together a series of chapters that examine various issues related to organizing for innovation.

The REGTECH Book Janos Barberis 2019-08-06 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.

ECCWS 2020 20th European Conference on Cyber Warfare and Security Dr Thaddeus Eze 2020-06-25 These proceedings represent the work of contributors to the 19th European Conference on Cyber Warfare and Security (ECCWS 2020), supported by University of Chester, UK on 25-26 June 2020. The Conference Co-chairs are Dr Thaddeus Eze and Dr Lee Speakman, both from University of Chester and the Programme Chair is Dr Cyril Onwubiko from IEEE and Director, Cyber Security Intelligence at Research Series Limited. ECCWS is a well-established event on the academic research calendar and now in its 19th year the key aim remains the opportunity for participants to share ideas and meet. The conference was due to be held at University of Chester, UK, but due to the global Covid-19 pandemic it was moved online to be held as a virtual event. The scope of papers will ensure an interesting conference. The subjects covered illustrate the wide range of topics that fall into this important and ever-growing area of research.

Financial Technology and the Law Doron Goldbarsht 2022 Blockchains and cryptocurrencies, open banking, virtual assets, and artificial intelligence have become the buzzword of this decade. This book focuses on these disruptive financial technologies that provide alternatives to the traditional financial services typically offered by regulated financial institutions. Financial technologies are characterized by the innovative ways in which they initiate, support or extend traditional financial services or offer alternative financial pathways and products. However, these financial technologies also pose money laundering and terrorist and proliferation financing as well as cyber security risks that require mitigation. This edited volume addresses a range of regulatory and enforcement challenges related to financial technology and financial crime. The book responds to the United Nations Sustainable Development Goals, in particular in relation to economic development, employment, national security, law enforcement and social well-being. Fostering responsible financial innovation promotes long-term economic growth, inclusion, and improved living standards. This book explores how to promote financial innovation while mitigating risks in a way that ensures financial prosperity and social inclusion.

After the Digital Tornado Kevin Werbach 2020-07-23 Networks powered by algorithms are pervasive. Major contemporary technology trends—Internet of Things, Big Data, Digital Platform Power, Blockchain, and the Algorithmic Society—are manifestations of this phenomenon. The internet, which once seemed an unambiguous benefit to society, is now the basis for invasions of privacy, massive concentrations of power, and wide-scale manipulation. The algorithmic networked world poses deep questions about power, freedom, fairness, and human agency. The influential 1997 Federal Communications Commission whitepaper “Digital Tornado” hailed the “endless spiral of connectivity” that would transform society, and today, little remains untouched by digital connectivity. Yet fundamental questions remain unresolved, and even more serious challenges have emerged. This important collection, which offers a reckoning and a foretelling, features leading technology scholars who explain the legal, business, ethical, technical, and public policy challenges of building pervasive networks and algorithms for the benefit of humanity. This title is also available as Open Access on Cambridge Core.

Digital Technologies and the Law of Obligations Zvonimir Slakoper 2021-09-30 Digital Technologies and the Law of Obligations critically examines the emergence of new digital technologies and the challenges they pose to the traditional law of obligations, and discusses the extent to which existing contract and tort law rules and doctrines are equipped to meet these new challenges. This book covers various contract and tort law issues raised by emerging technologies – including distributed ledger technology, blockchain-based smart contracts, and artificial intelligence – as well as by the evolution of the internet into a participative web fuelled by user-generated content, and by the rise of the modern-day collaborative economy facilitated by digital technologies. Chapters address these topics from the perspective of both the common law and the civil law tradition. While mostly focused on the current state of affairs and recent debates and initiatives within the European Union regulatory framework, contributors also discuss the central themes from the perspective of the national law of obligations, examining the adaptability of existing legal doctrines to contemporary challenges, addressing the occasional legislative attempts to deal with the private law aspects of these challenges, and pointing to issues where legislative interventions would be most welcomed. Case studies are drawn from the United States, Singapore, and other parts of the common law world. Digital Technologies and the Law of Obligations will be of interest to legal scholars and researchers in the fields of contract law, tort law, and digital law, as well as to legal practitioners and members of law reform bodies.

Islamic Fintech Sara Sánchez Fernández 2021-03-29 The implementation of new technologies is expected to boost the development of Islamic Finance by increasing accessibility to banking and other financial services in Islamic communities and democratizing access to investment opportunities. At the same time, new technologies will increase financing opportunities and facilitate asset management for Sharia-compliant businesses. This collection of essays from selected experts in the field comprise some of the most topical issues on Islamic Fintech, combining a business focus with legal insights. The book takes as a point of departure the role that Islamic Fintech can play in promoting sustainability. The social vision of welfare improvement and justice is already embedded in Sharia’s economic rules, which makes Islamic Finance particularly well suited to bridge the gap between sustainability and funding. Although it is not without challenges for the industry, technology will help unleash its potential. With a holistic approach to Islamic Fintech, the contributing authors

address the application of new technologies to Islamic Finance, including robo-advisory, crowdfunding and digital ledger technology (both in the issuance of bitcoin and the registration of securities in tokenized form) and in certain sectors such as takaful (takaful-tech) and health (e-health). Finally, they explore the challenges posed by anti-money laundering ('AML') in the specific realm of Islamic Fintech. The book combines theoretical analysis with a practical focus, both through case studies and directly through the experiences of leading entrepreneurs. In addition, it provides insights on legal and regulatory aspects, which are key in a field that is still in its infancy and needs support from lawmakers and regulators. It is, thus, a reference for academics, legal practitioners, policymakers, entrepreneurs and the Islamic Finance community.

Blockchain and the Law Dariusz Szostek 2019-03-15 Der Band analysiert die neue Blockchain- und Distributed-Ledger-Technologie (DLT) sowie das Bitcoin-System im Hinblick auf ihre Auswirkungen auf Recht, Vertragsgestaltung und digitale Wirtschaft. Aus einer internationalen und europäischen Perspektive geschrieben, hilft es juristischen Praktikern, aber auch Unternehmern, IT-Spezialisten, Entwicklern und IT-Managern beim Verständnis und der Gestaltung von DLT- und Blockchain-Technologien. Aus dem Inhalt Chapter I Blockchains and DLT in the digital economy Chapter II Blockchains, DLT – basic terms Chapter III Blockchains in finance Chapter IV Durable media with blockchain technology Chapter V "Smart Contracts" Chapter VI The future of blockchain solutions in legal regulations (an initiated discussion).

Can Blockchain Revolutionize International Trade? World Trade Organization Wto 2019 Trade has always been shaped by technological innovation. In recent times, a new technology, Blockchain, has been greeted by many as the next big game-changer. Can Blockchain revolutionize international trade? This publication seeks to demystify the Blockchain phenomenon by providing a basic explanation of the technology. It analyses the relevance of this technology for international trade by reviewing how it is currently used or can be used in the various areas covered by WTO rules. In doing so, it provides an insight into the extent to which this technology could affect cross-border trade in goods and services, and intellectual property rights. It discusses the potential of Blockchain for reducing trade costs and enhancing supply chain transparency as well as the opportunities it provides for small-scale producers and companies. Finally, it reviews various challenges that must be addressed before the technology can be used on a wide scale and have a significant impact on international trade.

Cryptocurrency Regulation Immaculate Dadiso Motsi-Omoijiade 2022-06-17 This work argues that current cryptocurrency regulation, particularly in the areas of enforcement and compliance, is inadequate. It proposes reflexive regulation as an alternative approach. This book provides strategies for a reflexive regulation approach to cryptocurrencies, developed through the identification of the internal self-regulatory mechanisms of the cryptocurrency system. Apportioning blame for current problems to the regulators' failure to take into account the inherent technical features of cryptocurrencies, the work promotes reflexive regulation in which the law acts at a subsystem-specific level to install, correct, and redefine democratic self-regulatory mechanisms. It provides strategies for this approach, developed through the identification of the internal self-regulatory mechanisms of the cryptocurrency system. These are identified as imbedded in the technical functionality of computer code and consensus-based distributive governance mechanisms respectively. In

addition to providing a technical, historical and legal overview of cryptocurrencies, the book concludes by providing recommendations aimed at redirecting code and consensus towards achieving regulatory goals. In this way, it draws from the theory of reflexive law, in order to provide both a substantive and jurisprudential perspective on the regulation of cryptocurrencies and to illustrate how Financial Technology (Fintech) regulation can only be effective once regulators consider both the 'Fin' and the 'tech' in their regulatory approaches. The book will be of interest to researchers, academics and policy-makers working in the areas of Financial Regulation and Jurisprudence, Financial Crime, Banking Regulation, Information Systems, and Information Technology.

Taxation of Crypto Assets Niklas Schmidt 2020-11-27 The emergence of crypto assets has required taxation authorities worldwide to develop unprecedented policies and compelled tax lawyers to apply existing laws in new ways. This book – the only one to focus solely on the taxation of crypto assets – provides a detailed country-by-country analysis of how the tax law of thirty-nine countries may apply to this rapidly developing area, including different use cases and compliance and documentation requirements. Following an overview of the technology and key characteristics of crypto assets, as well as the key tax concepts and types of taxes that could apply to them, leading practitioners in each particular jurisdiction summarize the relevant tax law in that country. Fully explained are such aspects of crypto assets as the following and how they are interrelated: sales; exchanges; receipt as remuneration; forks; airdrops; mining; staking; initial coin offerings; security token offerings; and initial exchange offerings. Contributors describe how each jurisdiction applies income and capital gains taxation, value-added tax and sales tax, withholding taxes, transfer taxes, and gift, inheritance, estate and wealth taxes in the context of crypto assets. Reporting requirements and enforcement are also covered. Tax law, as it applies to crypto assets, is new and continues to evolve. This book will be welcomed as the premier resource for tax practitioners, government officials, advisors, investors, issuers, users of crypto assets, and taxation academics who are seeking informed awareness of the policy choices countries make in dealing with the taxation of this new technology. Tax lawyers dealing with crypto assets will have comprehensive practical guidance on how to comply with the tax laws of multiple jurisdictions.

The Cambridge Handbook of Smart Contracts, Blockchain Technology and Digital Platforms Larry A. DiMatteo 2019-10-31 The product of a unique collaboration between academic scholars, legal practitioners, and technology experts, this Handbook is the first of its kind to analyze the ongoing evolution of smart contracts, based upon blockchain technology, from the perspective of existing legal frameworks - namely, contract law. The book's coverage ranges across many areas of smart contracts and electronic or digital platforms to illuminate the impact of new, and often disruptive, technologies on the law. With a mix of scholarly commentary and practical application, chapter authors provide expert insights on the core issues involving the use of smart contracts, concluding that smart contracts cannot supplant contract law and the courts, but leaving open the question of whether there is a need for specialized regulations to prevent abuse. This book should be read by anyone interested in the disruptive effect of new technologies on the law generally, and contract law in particular.

The Cambridge Handbook of the Law of the Sharing Economy John J. Infranca 2018-10-31 This Handbook

grapples conceptually and practically with what the sharing economy - which includes entities ranging from large for-profit firms like Airbnb, Uber, Lyft, Taskrabbit, and Upwork to smaller, non-profit collaborative initiatives - means for law, and how law, in turn, is shaping critical aspects of the sharing economy. Featuring a diverse set of contributors from many academic disciplines and countries, the book compiles the most important, up-to-date research on the regulation of the sharing economy. The first part surveys the nature of the sharing economy, explores the central challenge of balancing innovation and regulatory concerns, and examines the institutions confronting these regulatory challenges, and the second part turns to a series of specific regulatory domains, including labor and employment law, consumer protection, tax, and civil rights. This groundbreaking work should be read by anyone interested in the dynamic relationship between law and the sharing economy.

Disintermediation Economics Eva Kaili 2021-06-29 This book provides a coherent Blockchain framework for the business community, governments, and universities structured around microeconomics, macroeconomics, finance, and political economy and identifies how business organizations, financial markets and governmental policies are changed by digitalization, specifically Blockchain. This framework, what they authors call “disintermediation economics,” affects everything by providing a paradigm that transforms the way we organize markets and value chains, financial services, central banking, budgetary policies, innovation ecosystems, government services, and civil society. Bringing together leading and experienced policy makers, corporate practitioners, and academics from top universities, this book offers a road map of best practices that can be immediately useful to firms, policy makers as well as academics by balancing theory with practice.

The Blockchain and the New Architecture of Trust Kevin Werbach 2018-11-20 How the blockchain—a system built on foundations of mutual mistrust—can become trustworthy The blockchain entered the world on January 3, 2009, introducing an innovative new trust architecture: an environment in which users trust a system—for example, a shared ledger of information—without necessarily trusting any of its components. The cryptocurrency Bitcoin is the most famous implementation of the blockchain, but hundreds of other companies have been founded and billions of dollars have been invested in similar applications since Bitcoin’s launch. Some see the blockchain as offering more opportunities for criminal behavior than benefits to society. In this book, Kevin Werbach shows how a technology resting on foundations of mutual mistrust can become trustworthy. The blockchain, built on open software and decentralized foundations that allow anyone to participate, seems like a threat to any form of regulation. In fact, Werbach argues, law and the blockchain need each other. Blockchain systems that ignore law and governance are likely to fail, or to become outlaw technologies irrelevant to the mainstream economy. That, Werbach cautions, would be a tragic waste of potential. If, however, we recognize the blockchain as a kind of legal technology that shapes behavior in new ways, it can be harnessed to create tremendous business and social value.

Blockchain and the Law Primavera De Filippi De Filippi 2018-04-09 Since Bitcoin appeared in 2009, the digital currency has been hailed as an Internet marvel and decried as the preferred transaction vehicle for all manner of criminals. It has left nearly everyone without a computer science degree confused: Just how do you “mine” money from ones and zeros? The answer lies in a technology called blockchain, which can be used for much

more than Bitcoin. A general-purpose tool for creating secure, decentralized, peer-to-peer applications, blockchain technology has been compared to the Internet itself in both form and impact. Some have said this tool may change society as we know it. Blockchains are being used to create autonomous computer programs known as “smart contracts,” to expedite payments, to create financial instruments, to organize the exchange of data and information, and to facilitate interactions between humans and machines. The technology could affect governance itself, by supporting new organizational structures that promote more democratic and participatory decision making. Primavera De Filippi and Aaron Wright acknowledge this potential and urge the law to catch up. That is because disintermediation—a blockchain’s greatest asset—subverts critical regulation. By cutting out middlemen, such as large online operators and multinational corporations, blockchains run the risk of undermining the capacity of governmental authorities to supervise activities in banking, commerce, law, and other vital areas. De Filippi and Wright welcome the new possibilities inherent in blockchains. But as *Blockchain and the Law* makes clear, the technology cannot be harnessed productively without new rules and new approaches to legal thinking.

Blockchain technologies and IP ecosystems: A WIPO white paper World Intellectual Property Organization 2022-02-21 Blockchain is one of the frontier technologies significantly affecting the way businesses operate while revolutionizing numerous innovation ecosystems, including the intellectual property (IP) ecosystem. This white paper explores potential applications and opportunities presented by blockchain to the existing IP ecosystems. It also identifies the challenges and issues that should be addressed to determine feasibility and cost-efficiency.

Handbook of Blockchain Law Matthias Artzt 2020-07-16 Blockchain has become attractive to companies and governments because it promises to solve the age-old problem of mutability in transactions - that is, it makes falsification and recalculation impossible once a transaction has been committed to the technology. However, the perceived complexity of implementing Blockchain calls for an in-depth overview of its key features and functionalities, specifically in a legal context. The systematic and comprehensive approach set forth in this indispensable book, including coverage of existing relevant law in various jurisdictions and practical guidance on how to tackle legal issues raised by the use of Blockchain, ensures a one-stop-shop reference book for anyone considering Blockchain-based solutions or rendering advice with respect to them. Within a clear structure by fields of law allowing for a systematic approach, each contributor - all of them are practitioners experienced with Blockchain projects within their respective areas of expertise - elucidates the implications of Blockchain technology and related legal issues under such headings as the following: technical explanation of Blockchain technology; contract law; regulatory issues and existing regulation in a variety of jurisdictions; data protection and privacy; capital markets; information security; patents and other intellectual property considerations; and antitrust law. Keeping the legal questions and concepts sufficiently generic so that lawyers can benefit from the handbook irrespective of their jurisdiction and legal background, the authors cover such specific characteristics of Blockchain implementation as so-called smart contracts, tokenization, distributed ledger technology, digital securities, recognition of code as law, data privacy challenges and Blockchain joint ventures. Because Blockchain is a relatively new technology still in process and raises a multitude of legal questions, this well-balanced introduction - at a depth that allows non-IT experts to understand the groundwork for legal

assessments - provides a solid basis for organizations and their legal advisors in identifying and resolving Blockchain-related issues. Legal practitioners, in-house lawyers, IT professionals and advisors, consultancy firms, Blockchain associations and legal scholars will welcome this highly informative and practical book.

GLOBAL LEGAL INSIGHTS - BLOCKCHAIN & CRYPTOCURRENCY REGULATION. JOSIAS. DEWEY
2018

Routledge Handbook of Financial Technology and Law Iris H-Y Chiu 2021-04-30 Financial technology is rapidly changing and shaping financial services and markets. These changes are considered making the future of finance a digital one. This Handbook analyses developments in the financial services, products and markets that are being reshaped by technologically driven changes with a view to their policy, regulatory, supervisory and other legal implications. The Handbook aims to illustrate the crucial role the law has to play in tackling the revolutionary developments in the financial sector by offering a framework of legally enforceable principles and values in which such innovations might take place without threatening the acquis of financial markets law and more generally the rule of law and basic human rights. With contributions from international leading experts, topics will include: Policy, High-level Principles, Trends and Perspectives Fintech and Lending Fintech and Payment Services Fintech, Investment and Insurance Services Fintech, Financial Inclusion and Sustainable Finance Cryptocurrencies and Cryptoassets Markets and Trading Regtech and Suptech This Handbook will be of great relevance for practitioners and students alike, and a first reference point for academics researching in the fields of banking and financial markets law.

Regulating Blockchain Ioannis Lianos 2019-08 The aim of this book is to understand the technological and business potential of the blockchain technology and to reflect on its legal challenges, providing an unparalleled critical analysis of the disruptive potential of this technology for the economy and the legal system.

Distributed Ledger Technology and Digital Assets Asian Development Bank 2019-06-01 This report offers an analytical framework that allows for more systemic assessments of distributed ledger technology (DLT) and its applications. It examines the evolution and typology of the emergent technology, its existing and projected applications, and regulatory and policy issues that they entail. This report highlights the trends, concerns, and potential opportunities of DLTs, especially for Asian markets. It also identifies the benefits and risks to using DLT and offers a functional and proportional approach to these issues.

Blockchain Regulation and Governance in Europe Michèle Finck 2018-12-20 In *Blockchain Regulation and Governance in Europe*, Michèle Finck examines the relationship between blockchain technology and EU law and introduces the theme of blockchain governance. The book provides a general introduction to blockchains as both a regulatable and a regulatory technology and outlines the interaction between distributed ledger technology and specific areas of EU law, such as the General Data Protection Regulation. It should be read by anyone interested in EU law, the relationship between law, innovation and technology, and technology governance.

Blockchain and Public Law Pollicino, Oreste 2021-07-31 This important and topical book provides a comprehensive overview of the challenges raised by blockchain from the perspective of public law. It considers the ways in which traditional categories of public law such as sovereignty, citizenship and territory are shaped, as well as the impact of blockchain technology on fundamental rights and democratic values.

Big Data and Global Trade Law Mira Burri 2021-05-31 This collection explores the relevance of global trade law for data, big data and cross-border data flows. Contributing authors from different disciplines including law, economics and political science analyze developments at the World Trade Organization and in preferential trade venues by asking what future-oriented models for data governance are available and viable in the area of trade law and policy. The collection paints the broad picture of the interaction between digital technologies and trade regulation as well as provides in-depth analyses of critical to the data-driven economy issues, such as privacy and AI, and different countries' perspectives. This title is also available as Open Access on Cambridge Core.

Subnational Authorities in EU Law Michèle Finck 2017 This book explores the role and status of local and regional authorities (also referred to as 'subnational authorities' or 'SNAs') in European Union law, and reveals the existence of two parallel yet opposed constitutional imaginations of the supranational legal order. Through a survey of various areas of EU law, including primary and secondary legislation, case law as well as various soft law instruments, Finck introduces two narratives. These are the 'outsider narrative' and the 'insider narrative' that frame these constitutional imaginations. According to the outsider narrative, the structure of the legal order is bi-centric, composed of the member states and the EU only. This narrative envisages SNAs as outsiders of EU law, whose interactions with Union law are merely of an indirect nature. However, in addition to this well-known account of EU law, a parallel yet distinct narrative can be identified according to which SNAs are insiders that entertain direct relations with the European Union and contribute to the substantive development of EU law. It is illustrated that the coexistence of both narratives has wider implications as it points towards a shift in the structure of the European legal order itself, which is transitioning from bi-centricity to polycentricity --Dust jacket.

Cryptoassets Chris Brummer 2019-09-12 Cryptoassets represent one of the most high profile financial products in the world, and fastest growing financial products in history. From Bitcoin, Ethereum and Ripple's XRP-so called "utility tokens" used to access financial services-to initial coin offerings that in 2017 rivalled venture capital in money raised for startups, with an estimated \$5.6 billion (USD) raised worldwide across 435 ICOs. All the while, technologists have hailed the underlying blockchain technology for these assets as potentially game changing applications for financial payments and record-keeping. At the same time, cryptoassets have produced considerable controversy. Many have turned out to be lacklustre investments for investors. Others, especially ICOs, have also attracted noticeable fraud, failing firms, and alarming lapses in information-sharing with investors. Consequently, many commentators around the world have pressed that ICO tokens be considered securities, and that concomitant registration and disclosure requirements attach to their sales to the public. This volume assembles an impressive group of scholars, businesspersons and regulators to collectively write on cryptoassets. This volume represents perspectives from across the regulatory ecosystem, and includes

technologists, venture capitalists, scholars, and practitioners in securities law and central banking.

Blockchain, Law and Governance Benedetta Cappiello 2020-10-21 This volume explores from a legal perspective, how blockchain works. Perhaps more than ever before, this new technology requires us to take a multidisciplinary approach. The contributing authors, which include distinguished academics, public officials from important national authorities, and market operators, discuss and demonstrate how this technology can be a driver of innovation and yield positive effects in our societies, legal systems and economic/financial system. In particular, they present critical analyses of the potential benefits and legal risks of distributed ledger technology, while also assessing the opportunities offered by blockchain, and possible modes of regulating it. Accordingly, the discussions chiefly focus on the law and governance of blockchain, and thus on the paradigm shift that this technology can bring about.

Regulating Blockchain Philipp Hacker 2019-08-01 Less than a decade after the Financial Crisis, we are witnessing the fast emergence of a new financial order driven by three different, yet interconnected, dynamics: first, the rapid application of technology - such as big data, machine learning, and distributed computing - to banking, lending, and investing, in particular with the emergence of virtual currencies and digital finance; second, a disintermediation fuelled by the rise of peer-to-peer lending platforms and crowd investment which challenge the traditional banking model and may, over time, lead to a transformation of the way both retail and corporate customers bank; and, third, a tendency of de-bureaucratisation under which new platforms and technologies challenge established organisational patterns that regulate finance and manage the money supply. These changes are to a significant degree driven by the development of blockchain technology. The aim of this book is to understand the technological and business potential of the blockchain technology and to reflect on its legal challenges. The book mainly focuses on the challenges blockchain technology has so far faced in its first application in the areas of virtual money and finance, as well as those that it will inevitably face (and is partially already facing, as the SEC Investigative Report of June 2017 and an ongoing SEC securities fraud investigation show) as its domain of application expands in other fields of economic activity such as smart contracts and initial coin offerings. The book provides an unparalleled critical analysis of the disruptive potential of this technology for the economy and the legal system and contributes to current thinking on the role of law in harvesting and shaping innovation.

The Oxford Handbook of Hedge Funds Douglas Cumming 2021-10-26 The Oxford Handbook of Hedge Funds provides a comprehensive overview of the hedge fund industry from a global perspective, bringing together insights from theoretical and applied research. The book seeks to both introduce the industry and what it does to scholars and practitioners new to the area, and to provide more advanced insights to those with extensive expertise in the area. The handbook explains the main context in which hedge funds operate, how they raise capital, and their structure and governance. It evaluates the main factors that have affected the operation of hedge funds, including competition from mutual funds, the market environment, and financial regulation, explains key concepts such as hedge fund flows, and core issues of practice, such as hedge fund manager fees. This volume provides insights into the principle hedge fund strategies and how these have changed over the years. The behavioural dimensions of hedge fund behaviour are evaluated, as are fintech's consequences. The

volume evaluates the effects of hedge funds on the firms they invest in, in terms of internal governance, strategy and practice. Furthermore, it explores a range of ethical issues around the operation of hedge funds, how they fit within the wider political economy, and changes in hedge fund regulation and taxation strategies.

Big Data and Global Trade Law Mira Burri 2021-07-29 An exploration of the current state of global trade law in the era of Big Data and AI. This title is also available as Open Access on Cambridge Core.

Digital Finance in Europe: Law, Regulation, and Governance Emiliós Avgouleas 2021-12-20 Global finance is in the middle of a radical transformation fueled by innovative financial technologies. The coronavirus pandemic has accelerated the digitization of retail financial services in Europe. Institutional interest and digital asset markets are also growing blurring the boundaries between the token economy and traditional finance. Blockchain, AI, quantum computing and decentralised finance (DeFI) are setting the stage for a global battle of business models and philosophies. The post-Brexit EU cannot afford to ignore the promise of digital finance. But the Union is struggling to keep pace with global innovation hubs, particularly when it comes to experimenting with new digital forms of capital raising. Calibrating the EU digital finance strategy is a balancing act that requires a deep understanding of the factors driving the transformation, be they legal, cultural, political or economic, as well as their many implications. The same FinTech inventions that use AI, machine learning and big data to facilitate access to credit may also establish invisible barriers that further social, racial and religious exclusion. The way digital finance actors source, use, and record information presents countless consumer protection concerns. The EU's strategic response has been years in the making and, finally, in September 2020 the Commission released a Digital Finance Package. This special issue collects contributions from leading scholars who scrutinize the challenges digital finance presents for the EU internal market and financial market regulation from multiple public policy perspectives. Author contributions adopt a critical yet constructive and solutions-oriented approach. They aim to provide policy-relevant research and ideas shedding light on the complexities of the digital finance promise. They also offer solid proposals for reform of EU financial services law.

Building Decentralized Trust Victoria L. Lemieux 2021-01-04 This volume brings together a multidisciplinary group of scholars from diverse fields including computer science, engineering, archival science, law, business, psychology, economics, medicine and more to discuss the trade-offs between different “layers” in designing the use of blockchain/Distributed Ledger Technology (DLT) for social trust, trust in data and records, and trust in systems. Blockchain technology has emerged as a solution to the problem of trust in data and records, as well as trust in social, political and economic institutions, due to its profound potential as a digital trust infrastructure. Blockchain is a DLT in which confirmed and validated sets of transactions are stored in blocks that are chained together to make tampering more difficult and render records immutable. This book is dedicated to exploring and disseminating the latest findings on the relationships between socio-political and economic data, record-keeping, and technical aspects of blockchain.

Blockchain + Antitrust Schrepel, Thibault 2021-09-21 This innovative and original book explores the relationship between blockchain and antitrust, highlighting the mutual benefits that stem from cooperation

between the two and providing a unique perspective on how law and technology could cooperate.