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604CFG - BRYCEN GARRETT

This book has been considered by academicians and scholars of great significance and value to literature. This forms a part of the knowledge base for future generations. So that the book is never forgotten we have represented this book in a print format as the same form as it was originally first published. Hence any marks or annotations seen are left intentionally to preserve its true nature. Don't miss syndicated radio host and author Mark Levin's #1 New York Times acclaimed and longtime bestselling manifesto for the conservative movement. When nationally syndicated radio host Mark R. Levin's Liberty and Tyranny appeared in the early months of the Obama presidency, Americans responded by making his clarion call for a new era in conservatism a #1 New York Times bestseller for an astounding twelve weeks. As provocative, well-reasoned, robust, and informed as his on-air commentary, with his love of our country and the legacy of our Founding Fathers reflected on every page, Levin's galvanizing narrative provides a philosophical, historical, and practical framework for revitalizing the conservative vision and ensuring the preservation of American society. In the face of the modern liberal assault on Constitution-based values, an attack that has resulted in a federal government that is a massive, unaccountable conglomerate, the time for reinforcing the intellectual and practical case for conservatism is now. In a series of powerful essays, Levin lays out how conservatives can counter the tyrannical liberal corrosion that has filtered into every timely issue affecting our daily lives, from the economy to health care, global warming to immigration, and more. Computer Science has made considerable progress in making

complex software and hardware systems more reliable. This is a result of practical experience and continuous process improvement on one side and of a better and deeper understanding of the fundamentals of software and system engineering on the other side. Recent encouraging trends are a strong integration of formal techniques with practical industrial development methods and more advanced support tools such as modelling, verification, and model-checking support systems. This active area of research has a relatively short term horizon with respect to transferring technology to industrial applications. This volume is focusing on techniques and the scientific basis for calculation-based development of software and hardware systems as a foundation for advanced methods and tools for software and system engineering. This includes topics of specification, description, methodology, refinement, verification, and implementation. The volume presents new trends and insights reflecting the current state of the art in the scientific foundation of these techniques, since such a foundation is an indispensable prerequisite for advanced development methods.

This book is a novel and original collection of essays on Italians and food. Food culture is central both to the way Italians perceive their national identity and to the consolidation of Italianicity in global context. More broadly, being so heavily symbolically charged, Italian foodways are an excellent vantage point from which to explore consumption and identity in the context of the commodity chain, and the global/local dialectic. The contributions from distinguished experts cover a range of topics including food and consumer practices in Italy, cultural intermediators and foodstuffs narratives, traditions of production and regional variation in

Italian foodways, and representation of Italianicity through food in old and new media. Although rooted in sociology, Italians and Food draws on literature from history, anthropology, semiotics and media studies, and will be of great interest to students and scholars of food studies, consumer culture, cultural sociology, and contemporary Italian studies.

This book constitutes the refereed proceedings of the 10th International RuleML Symposium, RuleML 2016, held in New York, NY, USA during July 2016. The 19 full papers, 1 short paper, 2 keynote abstracts, 2 invited tutorial papers, 1 invited standard paper, presented were carefully reviewed and selected from 36 submissions. RuleML is a leading conference aiming to build bridges between academia and industry in the field of rules and its applications, especially as part of the semantic technology stack. It is devoted to rule-based programming and rule-based systems including production rule systems, logic programming rule engines, and business rule engines and business rule management systems, Semantic Web rule languages and rule standards and technologies, and research on inference rules, transformation rules, decision rules, and ECA rules.

This volume is a study into the norms that come into play in the translation of European Union legislation. With a focus on expressions of modality, the study adopts a corpus-based Descriptive Translation Studies approach to analyse the translation strategies used in a bilingual English/Italian parallel corpus of European Union legislation and identify the most frequent translational patterns. The book outlines the principles at the basis of the multilingual policy at the European Union and provides a detailed outline of the context in which the drafting and translation processes

take place as a key to understanding the translational choices. The impact of sometimes contrasting factors such as the conventions of legal drafting at the European Union and those within the target culture, the principle of equal authenticity and the attention to the quality and readability of legislative texts is revealed in the analysis. Evidence in support of the theories concerning translation universals is also found and their implications for EU legal translation are discussed. The results lead to the formulation of several hypotheses as regards the norms governing the translation of EU legislative texts. The book also reflects on the impact that the translational choices have on the development of European Union legal language as an independent variety. This volume will be of interest to researchers and students in the fields of Legal Translation Studies and Linguistics, as well as practising translators.

Manuale tecnico e pratico alla portata di tutti Pubblicata nel 2008 dal misterioso Satoshi Nakamoto come protocollo di Bitcoin, oggi la blockchain sta rivoluzionando il mondo, ma la conoscenza sul tema è ancora molto nebulosa. Il libro "Blockchain - La Nuova Rivoluzione Industriale" è un vademecum per orientarti meglio e capire di cosa si tratta, come è nata e come funziona. L'obiettivo è fornirti un'introduzione agli aspetti teorici e pratici di questo paradigma tecnologico che ti aiuti a comprendere come strutturare la catena, lanciare una campagna ICO, affrontare le dinamiche legali e fiscali, utilizzarla nella realtà quotidiana e applicarla ai nuovi modelli di business. Attraverso questo manuale scoprirai le opportunità d'investimento possibili grazie alle criptovalute e riuscirai finalmente ad orientarti in un mondo in continua trasformazione accrescendo le tue competenze su un tema che diventerà la tendenza dominante dei prossimi anni.

The "Blue Economy" is used to describe all of the economic activities related to the sea, with a special emphasis on sustainability. Traditional activities such as fisheries, but also undersea mining, tourism, and scientific research are included, as well as the phenomenal growth of aquaculture during the past decade. All of these activities, and the irresistible prospect of another new frontier, has led to enthusiastic and, most likely, overenthusiastic assessments of the possibilities to exploit the sea to feed the world, provide low-cost energy, become a new source of minerals, and other future miracles. This book makes sense of these trends and of the future of the blue economy by following our remote ances-

tors who gradually discovered the sea and its resources, describing the so-called fisherman's curse - or why fishermen have always been poor, explaining why humans tend to destroy the resources on which we depend, and assessing the realistic expectations for extracting resources from the sea. Although the sea is not so badly overexploited as the land, our demands on ecosystem services are already above the oceans' sustainability limits. Some new ideas, including "fishing down" for untapped resources such as plankton, could lead to the collapse of the entire marine ecosystem. How Neanderthals crossed the sea in canoes, how it was possible for five men on a small boat to kill a giant whale, what kind of oil the virgins of the Gospel put into their lamps, how a professor of mathematics, Vito Volterra, discovered the "equations of fishing," why it has become so easy to be stung by a jellyfish while swimming in the sea, and how to play "Moby Dick," a simple board game that simulates the overexploitation of natural resources are just some of the questions that you will be able to answer after reading this engaging and insightful book about the rapidly expanding relationship between humanity and the sea.

Il volume offre un quadro sistematico dei danni c.d. «bagatellari», vale a dire quelli caratterizzati - secondo l'indirizzo additato dalle note sentenze «San Martino» del 2008 - da una lieve entità, ora in relazione alla «gravità della lesione», ora alla «serietà del pregiudizio». Il testo affronta fattispecie molto comuni e diffuse, che generano continuo contenzioso, distinguendo tra: danni "essenzialmente" bagatellari (come quelli da vacanza rovinata, rumori ed altre immissioni, danni nuziali, emozionali) "occasionalmente" bagatellari (come quelli da trasporto, danni all'assicurato, all'investitore, al consumatore e quelli che possono derivare da rapporti di lavoro). Superato l'ostacolo di natura logica, rappresentato dal contrasto tra l'acclarata sussistenza di un danno (per quanto esiguo) e la sua irrisarcibilità, e preso atto altresì di come questa categoria abbia oramai acquisito, nella trama del diritto «vivente», una fisionomia compiuta, si propone all'operatore giuridico una rassegna ragionata delle diverse ipotesi, di più frequente verifica nella giurisprudenza.

The problems related to the process of industrialisation such as biodiversity depletion, climate change and a worsening of health and living conditions, especially but not only in developing countries, intensify. Therefore, there is an increasing need to search for integrated solutions to make development more sustainable.

The United Nations has acknowledged the problem and approved the "2030 Agenda for Sustainable Development". On 1st January 2016, the 17 Sustainable Development Goals (SDGs) of the Agenda officially came into force. These goals cover the three dimensions of sustainable development: economic growth, social inclusion and environmental protection. The Encyclopedia of the UN Sustainable Development Goals comprehensively addresses the SDGs in an integrated way. It encompasses 17 volumes, each devoted to one of the 17 SDGs. This volume addresses SDG 2, namely "End hunger, achieve food security and improved nutrition and promote sustainable agriculture" and contains the description of a range of related terms, to allow for a better understanding and foster knowledge. Our planet produces enough food to feed everyone. Malnutrition and hunger are the result of inappropriate food production processes, bad governance and injustice. SDG 2 seeks to guarantee quality and nutritious food to ensure healthy life by adopting a holistic approach that involves various actions targeting different actors, technologies, policies and programs. These initiatives have to face challenges coming from extensive environmental degradation, loss of biodiversity and the interrelated effects of climate change. Concretely, the defined targets are: End hunger and ensure access by all people, in particular the poor and people in vulnerable situations, including infants, to safe, nutritious and sufficient food all year round End all forms of malnutrition, including achieving the internationally agreed targets on stunting and wasting in children under 5 years of age, and address the nutritional needs of adolescent girls, pregnant and lactating women and older persons Double the agricultural productivity and incomes of small-scale food producers, in particular women, indigenous peoples, family farmers, pastoralists and fishers, including through secure and equal access to land, other productive resources and inputs, knowledge, financial services, markets and opportunities for value addition and non-farm employment Ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality Maintain the genetic diversity of seeds, cultivated plants and farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and

plant banks at the national, regional and international levels, and promote access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge, as internationally agreed Increase investment, including through enhanced international cooperation, in rural infrastructure, agricultural research and extension services, technology development and plant and livestock gene banks in order to enhance agricultural productive capacity in developing countries, in particular least developed countries Correct and prevent trade restrictions and distortions in world agricultural markets, including through the parallel elimination of all forms of agricultural export subsidies and all export measures with equivalent effect, in accordance with the mandate of the Doha Development Round Adopt measures to ensure the proper functioning of food commodity markets and their derivatives and facilitate timely access to market information, including on food reserves, in order to help limit extreme food price volatility Editorial Board Datu Buyung Agusdinata, Mohammad Sadegh Allahyari, Usama Awan, Nerise Johnson, Paschal Arsein Mugabe, Vincent Onguso Oeba, Tony Wall/div Luciano Floridi presents an innovative approach to philosophy, conceived as conceptual design. He explores how we make, transform, refine, and improve the objects of our knowledge. His starting point is that reality provides the data, to be understood as constraining affordances, and we transform them into information, like semantic engines. Such transformation or repurposing is not equivalent to portraying, or picturing, or photographing, or photocopying anything. It is more like cooking: the dish does not represent the ingredients, it uses them to make something else out of them, yet the reality of the dish and its properties hugely depend on the reality and the properties of the ingredients. Models are not representations understood as pictures, but interpretations understood as data elaborations, of systems. Thus, Luciano Floridi articulates and defends the thesis that knowledge is design and philosophy is the ultimate form of conceptual design. Although entirely independent of Floridi's previous books, *The Philosophy of Information* (OUP 2011) and *The Ethics of Information* (OUP 2013), *The Logic of Information* both complements the existing volumes and presents new work on the foundations of the philosophy of information.

After the success in Italy, this book is now available also in English! This book is born because I believe that programming is

now accessible to everybody. I believe that programming is seen as very complicated because usually it is explained in a too technical way. There a lot of very good manuals, but each of them is focused on a specific programming language and not on the logic behind the programming. This book is for all those people who have tried to learn to program, but who cannot do it due to concepts that seemed too complex. It is also for those who have never studied computer science and don't know from where they need to start. Finally it is for those people who will not want to program, but are curious and want to understand how the electronic things around us work. The book starts from scratch explaining how a program is built and, one step at a time, you will understand how the difficulties are solved. You will find examples in different languages and you will discover that they are not as incomprehensible as they may seem. Then you will find out how programmers are able to organize the instructions so that it is possible to program easily. Finally, in the last chapter, you will find some insights about themes strictly connected with software development: database, websites, programming with Google or Facebook and programming a robot using Arduino.

This book focuses on the importance of adaptation and personalization in today's society and the upgraded role computational systems and the Internet play in our day-to-day activities. In this era of wireless communication, pervasive computing and the Internet of Things, it is becoming increasingly critical to ensure humans remain central in the developmental process of new technologies to guarantee their continued usefulness and a positive end-user experience. Organized into three clear parts - theory, principles and practice, a holistic approach to designing and developing adaptive interactive systems and services has been adopted. With an emphasis on distinct human factors, both basic and applied research topics are explored, extending from human-centred user models, driven by user's individual differences in cognitive processing and emotions, to the creation of smart interfaces that can handle the ever increasing volume and complexity of information to the benefit of the end-user. *Human-Centred Web Adaptation and Personalization - From Theory to Practice* is meticulously crafted to serve researchers, practitioners, and students who wish to have an end-to-end understanding of how to convert pure research and scientific results into viable user interfaces, system components and applications. It will serve to bridge the

knowledge gap that still remains by suggesting interaction design and implementation guidelines for areas like E-Commerce, E-Learning and Usable Security.

This edited volume provides scholars and practitioners with an in-depth examination of the role of civil-military cooperation in addressing hybrid threats. As they combine the simultaneous employment of conventional and non-conventional tools and target not only military objectives but governments and societies at large, hybrid threats cannot be countered solely by military means, but require an equally inclusive response encompassing a wide range of military and civilian actors. This book, which combines the perspectives of academics, military officers, and officials from international and non-governmental organisations, resorts to different case studies to illustrate the importance of civil-military cooperation in enhancing the resilience of NATO members and partners against a wide range of societal destabilization strategies, thereby contributing to the formulation of a civil-military response to hybrid threats.

This Italian reference grammar provides students, teachers and others interested in the Italian language with a comprehensive, accessible and jargon-free guide to the forms and structure of Italian. Whatever their level of knowledge of the language, learners of Italian will find this book indispensable: it gives clear and detailed explanations of everything from the most elementary facts such as the relation between spelling and pronunciation, or the forms of the article, to more advanced points such as the various nuances of the subjunctive. Formal or archaic discourse is distinguished from informal, everyday usage, and regionalisms are also indicated where appropriate. The authors have taken care to make it an easy and illuminating reference tool: extensive cross-referencing enables readers to quickly find the information they require, and also stimulates them to discover new, related facts.

Sharpen your ITALIAN grammar with skill-building exercises If you want to be proficient in Italian, you have to master its grammar. The best way to perfect your grammar skills is through drills, drills, and more drills. Covering all facets of Italian grammar--from prepositions and pronouns to verbal forms and tenses--*Italian Grammar Drills* helps you learn often-perplexing topics through hands-on experience. This comprehensive book features: More than 200 exercises that demonstrate how the Italian grammar system works Authentic examples that illustrate correct grammar us-

age A thorough review section, new to this edition An answer key to give you immediate clarification on any concept Topics include: Adjectives and adverbs * Comparatives and superlatives * Present tense versus past tense * Prepositions * Passive voice * Verbal expressions and constructions * and more

This handbook provides an overarching view of cyber security and digital forensic challenges related to big data and IoT environment, prior to reviewing existing data mining solutions and their potential application in big data context, and existing authentication and access control for IoT devices. An IoT access control scheme and an IoT forensic framework is also presented in this book, and it explains how the IoT forensic framework can be used to guide investigation of a popular cloud storage service. A distributed file system forensic approach is also presented, which is used to guide the investigation of Ceph. Minecraft, a Massively Multiplayer Online Game, and the Hadoop distributed file system environment are also forensically studied and their findings reported in this book. A forensic IoT source camera identification algorithm is introduced, which uses the camera's sensor pattern noise from the captured image. In addition to the IoT access control and forensic frameworks, this handbook covers a cyber defense triage process for nine advanced persistent threat (APT) groups targeting IoT infrastructure, namely: APT1, Molerats, Silent Chollima, Shell Crew, NetTraveler, ProjectSauron, CopyKittens, Volatile Cedar and Transparent Tribe. The characteristics of remote-controlled real-world Trojans using the Cyber Kill Chain are also examined. It introduces a method to leverage different crashes discovered from two fuzzing approaches, which can be used to enhance the effectiveness of fuzzers. Cloud computing is also often associated with IoT and big data (e.g., cloud-enabled IoT systems), and hence a survey of the cloud security literature and a survey of botnet detection approaches are presented in the book. Finally, game security solutions are studied and explained how one may circumvent such solutions. This handbook targets the security, privacy and forensics research community, and big data research community, including policy makers and government agencies, public and private organizations policy makers. Undergraduate and postgraduate students enrolled in cyber security and forensic programs will also find this handbook useful as a reference.

This groundbreaking collection explores the convergence of the

spatial and digital turns through a suite of smartphone apps (Hidden Cities) that present research-led itineraries in early modern cities as public history. The Hidden Cities apps have expanded from an initial case example of Renaissance Florence to a further five historic European cities. This collection considers how the medium structures new methodologies for site-based historical research, while also providing a platform for public history experiences that go beyond typical heritage priorities. It also presents guidelines for user experience design that reconciles the interests of researchers and end users. A central section of the volume presents the underpinning original scholarship that shapes the locative app trails, illustrating how historical research can be translated into public-facing work. The final section examines how history, delivered in the format of geolocated apps, offers new opportunities for collaboration and innovation: from the creation of museums without walls, connecting objects in collections to their original settings, to informing decision-making in city tourism management. Hidden Cities is a valuable resource for upper-level undergraduates, postgraduates, and scholars across a variety of disciplines including urban history, public history, museum studies, art and architecture, and digital humanities.

Lo sviluppo di applicazioni che utilizzano la tecnologia blockchain sta registrando una crescita esponenziale in ambiti che vanno oltre le criptovalute e spaziano tra il settore enterprise e quello pubblico. Le opportunità sono tante ma affrontare la sfida non è semplice. Questo manuale illustra una vasta gamma di paradigmi per lo sviluppo di applicazioni blockchain. Si parte da un'introduzione ai fondamenti della tecnologia blockchain e agli smart contract per poi passare alla creazione di applicazioni su piattaforme compatibili con Ethereum, il più grande e solido ecosistema blockchain al mondo. Il lettore impara così a costruire applicazioni decentralizzate (DApp) e implementare token, per poi immergersi nei framework Tendermint e Cosmos e nella creazione di architetture software che superano i limiti degli ambienti blockchain più diffusi. Il volume si conclude illustrando alcuni temi di cripto-economia, quali la classificazione, la stima, la compravendita e gli exchange di criptovalute. Una guida completa per gli sviluppatori che vogliono apprendere le architetture e i modelli di programmazione blockchain più avanzati e affidabili di oggi.

"Blockchain technology has been called the greatest innovation since the internet. Governments and companies are rushing to im-

plement blockchain technology in a range of areas that could impact every person on the planet within a few years. Is blockchain technology one of the greatest technological revolutions in history or is it just hype? Will blockchain technology cause governments and banking systems to change the way they process information or will it be business as usual? In this book, we'll look at the answers to these questions along with addressing the different sides of the arguments, for and against, blockchain technology."--Page 4 de la couverture.

This work provides up-to-date discussions of recent developments in modern macroeconomics; it also features interviews with leading economists that aim to shed new light on the major intellectual and policy issues of the 1990s.

The new OECD SME and Entrepreneurship Outlook presents the latest trends in performance of small and medium-sized enterprises (SMEs) and provides a comprehensive overview of business conditions and policy frameworks for SMEs and entrepreneurs. This year's edition provides comparative evidence on business dynamism, productivity growth, wage gaps and export trends by firm size across OECD countries and emerging economies.

Il volume contiene contributi di docenti e ricercatori di varie Università italiane su una pluralità di tematiche che sollecitano la riflessione circa la tenuta delle categorie tradizionali del diritto privato a cospetto delle trasformazioni dei modelli di relazione tra i privati recate dalle tecnologie digitali. Gli scritti sono maturati nel contesto delle attività di ricerca e seminariali promosse dall'Osservatorio Giuridico sulla Innovazione Digitale (OGID), costituito presso il Dipartimento di Diritto ed economia delle attività produttive dell'Università Sapienza di Roma.

DK Eyewitness Back Roads Italy takes you away from the main roads to beautiful villages and picturesque landscapes. It uses in-depth local knowledge to create driving tours full of original ideas for activities, off-the-beaten-track stops, and authentic places to eat and to stay. The itineraries include guided walks through historic towns or unspoiled countryside, the rules of the road, detailed maps, clear driving instructions, road conditions and the length of the drive to parking information and opening hours of restaurants and attractions plus a range of activities and tips on buying local crafts and produce. A companion series to the Eyewitness Travel Guides, the books can be used in conjunction with existing guides or on their own. Each guide has a pull-out road map

for easy navigation between drives and all the practical information you need on your way to experiencing the charm of Italy.

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)

Publisher description

This book presents an analysis of global legal history in Modern times, questioning the effect of political revolutions since the 17th century on the legal field. Readers will discover a non-linear approach to legal history as this work investigates the ways in which law is created. These chapters look at factors in legal revolution such as the role of agents, the policy of applying and publicising legal norms, codification and the orientations of legal writing, and there is a focus on the publicization of law. The author uses Herbert Hart's schemes to conceive law as a human artefact or convention, being the union between primary rules of obligations and secondary rules conferring powers. Here we learn about those secondary rules and the legal construction of the Modern state and we question the extent to which codification and law reporting

were likely to revolutionize the legal field. These chapters examine the hypothesis of a legal revolution that could have concerned many countries in modern times. To begin with, the book considers the legal aspect of the construction of Modern States in the 17th and 18th centuries. It goes on to examine the consequences of the codification movement as a legal revolution before looking at the so-called "constitutional" revolution, linked with the extension of judicial review in many countries after World War II. Finally, the book enquires into the construction of an EU legal order and international law. In each of these chapters, the author measures the scope of the change, how the secondary rules are concerned, the role of the professional lawyers and what are the characters of the new configuration of the legal field. This book provokes new debates in legal philosophy about the rule of change and will be of particular interest to researchers in the fields of law, theories of law, legal history, philosophy of law and historians more broadly.

This book presents groundbreaking discussions on e-residency, cryptocurrencies, scams, smart contracts, 3D printing, software agents, digital evidence and e-governance at the intersection of law, legal policies and modern technologies. The reader benefits from cutting-edge analyses that offer ideas and solutions to some of the most pressing issues caused by e-technologies. This collection is a useful tool for law and IT practitioners and an inspiring source for interdisciplinary research. Besides serving as a practical guideline, this book also reflects theoretical dimensions of future perspectives, as new technologies are not meant to change common values but to accommodate them.

The aim of the book is to create a bridge between two 'lands' that are usually kept separate: technical tools and legal rules should be bound together for moulding a special 'toolbox' to solve present and future issues. The volume is intended to contribute to this 'toolbox' in the area of software services, while addressing how to make legal studies work closely with engineers' and computer scientists' fields of expertise, who are increasingly involved in tangled choices on daily programming and software development. In this respect, law has not lost its importance and its own categories in the digital world, but as well as any social science needs to experience a new realistic approach amid technological development and individuals' fundamental rights and freedoms.

Le nuove tecnologie sono ormai entrate prepotentemente nelle di-

namiche finanziarie, rimodulando, e talvolta sovvertendo, gli schemi relazionali tradizionali e proponendo nuove forme di business, nuove strategie e nuove sfide: le criptovalute, la robo-consulenza, i mobile-payments, il crowdfunding e molte altre sono realtà già profondamente diffuse nell'economia finanziaria, che si fondano sulle innovazioni radicali offerte dalle tecnologie blockchain, dall'intelligenza artificiale e dal machine learning. L'impatto di tali innovazioni è straordinario anche sul sistema normativo, nazionale ed europeo, che presiede al corretto andamento dei mercati e alla tutela delle imprese e degli investitori. Il volume offre il più ampio e completo approfondimento oggi possibile su ciascuna delle tematiche giuridiche investite dal fenomeno Fintech, sia sotto il profilo dell'analisi teorica, che dal punto di vista della considerazione della prassi giurisprudenziale e degli orientamenti delle Authorities e con una ricca presentazione del quadro internazionale.

Exploring issues from big-data to robotics, this volume is the first to comprehensively examine the regulatory implications of AI technology.








The COVID-19 pandemic has taken precious lives and devastated the global economy. It has also revealed chinks in our supply chains. Not only have manufacturers found themselves scrambling unsuccessfully to find new suppliers when their Asian sources shut down, but the Western world has experienced across-the-board shortages of essential consumer packaged goods for the first time in decades. Blockchain technology has the potential to minimize these kinds of pandemic disruptions. In this book, some of the world's top experts show how blockchain--in combination with other innovations such as additive manufacturing, artificial intelligence, and the Internet of Things--can address longstanding problems that make the business of getting goods to customers so slow and expensive, especially in crises. Today's supply chains are complex, as they move resources through trucks, planes, boats, and trains. Too many parties rely on a hodgepodge of documents and intermediaries to do business, which make the whereabouts and custody of goods unclear. That's why, in a pandemic, uninformed consumers might reasonably believe that toilet paper won't be available for many months. Enter blockchain--the Internet of Value. For the first time in human history, individuals and organizations can manage and trade their assets digitally peer to peer. In doing so, they will reinvent global commerce and how we exchange value. This will transform

the best practices of operations, logistics, procurement and purchasing, transportation, customs and border control, trade finance and insurance, manufacturing, and inventory management. Global supply chains are ripe for disruption at every level and in every role. Supply Chain Revolution identifies what leaders should be doing now to prepare their organizations for the inevitable decentralized future. Enterprise executives and entrepreneurs alike will find ideas and opportunities to discuss with their stakeholders and decide how best to participate in the blockchain revolution.

Work with blockchain and understand its potential application beyond cryptocurrencies in the domains of healthcare, Internet of Things, finance, decentralized organizations, and open science. Featuring case studies and practical insights generated from a start-up spun off from the author's own lab, this book covers a unique mix of topics not found in others and offers insight into how to overcome real hurdles that arise as the market and consumers grow accustomed to blockchain based start-ups. You'll start with a review of the historical origins of blockchain and explore the basic cryptography needed to make the blockchain work for Bitcoin. You will then learn about the technical advancements made in the surrounded ecosystem: the Ethereum virtual machine, Solidity, Colored Coins, the Hyperledger Project, Blockchain-as-a-service offered through IBM, Microsoft and more. This book looks at the consequences of machine-to-machine transactions using the blockchain socially, technologically, economically and politically. Blockchain Enabled Applications provides you with a clear perspective of the ecosystem that has developed around the blockchain and the various industries it has penetrated. What You'll Learn Implement the code-base from Fabric and Sawtooth, two open source blockchain-efforts being developed under the Hyperledger Project Evaluate the benefits of integrating

blockchain with emerging technologies, such as machine learning and artificial intelligence in the cloud Use the practical insights provided by the case studies to your own projects or start-up ideas Set up a development environment to compile and manage projects Who This Book Is For Developers who are interested in learning about the blockchain as a data-structure, the recent advancements being made and how to implement the code-base. Decision makers within large corporations (product managers, directors or CIO level executives) interested in implementing the blockchain who need more practical insights and not just theory.

Is your work environment TOXIC? Relax. All offices are alike: there's gossip, competition, backstabbing, extra hours, affairs you'd be better off not hearing about, interns, cougars, sass, promotions, dead people... Wait, what? Dead people?

Bitcoin ha fatto emergere un nuovo territorio da esplorare in cui la parola chiave  blockchain. Nell'intersezione unica fra finanza, economia, tecnologia, matematica e diritto si sta plasmando un mondo che  ancora praticamente sconosciuto ai pi. Oltre ad abilitare pagamenti senza l'intermediazione delle banche, la blockchain diventa la piattaforma su cui implementare servizi pi articolati e complessi come gli smart contract. Se Bitcoin ha introdotto il concetto di criptomoneta, gli smart contract introducono l'idea di denaro programmabile. Non tanto un software che gestisce denaro quindi, ma piuttosto un denaro che contiene il suo software. Anche la finanza si sta trasformando per accogliere queste innovazioni. Negli ultimi due anni decine di startup hanno ottenuto finanziamenti attraverso una ICO, cio una "Initial Coin Offering". In questo modo ogni organizzazione pu in pratica battere la sua moneta. Un territorio nuovo e pieno di ramificazioni legali, ma dagli sviluppi interessanti e in qualche modo inevitabili. L'autore: Davide Carboni  un esperto di tecnologia e nel corso della sua carriera ha collaborato con importanti aziende ed isti-

tuzioni internazionali e nazionali tra i quali Intel, Imperial College, CRS4 e Tiscali

Learn how to use Solidity and the Ethereum project - second only to Bitcoin in market capitalization. Blockchain protocols are taking the world by storm, and the Ethereum project, with its Turing-complete scripting language Solidity, has rapidly become a front-runner. This book presents the blockchain phenomenon in context; then situates Ethereum in a world pioneered by Bitcoin. See why professionals and non-professionals alike are honing their skills in smart contract patterns and distributed application development. You'll review the fundamentals of programming and networking, alongside its introduction to the new discipline of crypto-economics. You'll then deploy smart contracts of your own, and learn how they can serve as a back-end for JavaScript and HTML applications on the Web. Many Solidity tutorials out there today have the same flaw: they are written for "advanced" JavaScript developers who want to transfer their skills to a blockchain environment. Introducing Ethereum and Solidity is accessible to technology professionals and enthusiasts of all levels. You'll find exciting sample code that can move forward real world assets in both the academic and the corporate arenas. Find out now why this book is a powerful gateway for creative technologists of all types, from concept to deployment. What You'll Learn See how Ethereum (and other cryptocurrencies) work Compare distributed apps (dapps) to web apps Write Ethereum smart contracts in Solidity Connect Ethereum smart contracts to your HTML/CSS/JavaScript web applications Deploy your own dapp, coin, and blockchain Work with basic and intermediate smart contracts Who This Book Is For Anyone who is curious about Ethereum or has some familiarity with computer science Product managers, CTOs, and experienced JavaScript programmers Experts will find the advanced sample projects in this book rewarding because of the power of Solidity