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The Little Book of GDPR

Getting on the Path to Compliance

The General Data Protection Regulation (GDPR) is the biggest change to data protection requirements since the creation of the first data protection regulation in the 1980s. One of the biggest impacts is that organisations irrespective of their geographic location will need to comply, or face the potential of a large fine (the greater of e20m or 4% of global revenue).If your organisation collects or processes personal information (similar to Personal Identifiable Information/PII in the United States) or those within the EU then your organisation will need to have a process in place to comply.The purpose of this book to introduce the reader to the GDPR, and what it requires organisations to do in order to comply, and to keep the personal information that it processes protected. This book is written in a way that will help the reader to understand the requirements for their organisation, and is armed with the knowledge to not only learn more, but also to judge the value of the sometimes mid-leading information that is published on the Internet about the subject.This book includes sections on:* The aims of the GDPR* The differences between the Data Protection Directive and the GDPR* The Data Subject's rights* The importance of Consent within the GDPR* Breach notification requirements* The need for a data protection officer* Geographic scope and requirements* Vendors, Outsourcing and the GDPR* Starting the compliance process* EU-US Privacy Shield* Data Protection around the worldThe author, Darren Wray, has written this book drawing upon his many years experience of implementing solutions and helping organisations become and maintain data protection regulatory requirements. The style adopted within this

book means that not matter if the reader is looking to start the compliance process for a multinational enterprise, or a small organisation they will find what they're looking for.For readers from outside of the UK the book covers some of the requirements and some of the synergies that the GDPR has with other data protection around the world.

The Layman's Guide GDPR Compliance for Small Medium Business

This book provides a layman's introduction to the EU General Data Protection Regulation so it is aimed towards small and medium organisations that have no in house legal or technical expertise. The aims of the book are to develop an awareness of the soon to be applied GDPR and what it means for SMB business. Part 1 provides a concise high level guide to the regulations what they are, how they differ from the current law, what major changes will come about in May 2018 and importantly what it means for the SMB. Part II, is aimed at those organisations that wish to prepare for GDPR and wish to assess their readiness, so it lays a path towards compliance. Hence, it provides a deeper dive into the core principles, to clarify what needs to be addressed and how that can be achieved. It will consider what are the restrictions and operational constraints, basically what you can and can no longer legitimately do. This is important as the GDPR has big teeth especially regarding privacy and the rights of individuals, so we will look at what that means for your business. We will examine the key Articles to explain in common language what compliance requires and how you can obtain it painlessly. Part III, is an in depth review of the entire 99 Articles with summaries in clear, easily understood language and this produces the framework for the Privacy Impact Assessments and the Data Protection Impact Assessment that will ensure that if you supply goods or services into the EU or collect and process EU residents personal data you will be still legitimately able to do so even after the GDPR laws come into effect.

EU General Data Protection Regulation (GDPR)

An Implementation and Compliance Guide

A clear and comprehensive guide to this new data protection law, this book explains the changes you need to make to your data protection and information security regimes, and tells you exactly what you need to do to avoid severe financial

penalties. --

Policing in the Era of AI and Smart Societies

Springer Nature Chapter "Predictive Policing in 2025: A Scenario" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Cross-Border E-Commerce Marketing and Management

IGI Global The continued advancement of globalization, increases in internet connectivity, compatibility of international payment systems, and adaptability of logistics and shipping processes have combined to contribute to the rapid growth of the cross-border e-commerce market. Due to these advancements and the ubiquitous presence of smartphones, consumer use of cross-border e-commerce is increasingly simplified, and thus, sellers are hardly restricted to a specific country in terms of promoting, selling, and shipping goods worldwide. The burgeoning opportunities, habits, and trends of shopping on cross-border e-commerce platforms have expedited the prospect of becoming a presence in the global market. This is true for enterprises of all sizes, especially for small? and medium?sized enterprises (SMEs) that want to add their footprint in the international market for the first time. Like any other industry, cross-border e-commerce has its specific economics and driving forces, but has different scopes, challenges, and trends due to the geographic and cultural expanse of relevant environments. Cross-Border E-Commerce Marketing and Management was conceptualized by identifying the scope of new complementary information with a comprehensive understanding of the issues and potential of cross-border e-commerce businesses. The authors believe that this book will not only fill the void in the current research but will also provide far-sighted vision and strategies, as it covers big data, artificial intelligence, IoT, supply chain management, and more. This book provides the necessary knowledge to managers to compete with the competitive market structure and ultimately contribute to the sustainable economic growth of a country. It works as a guideline for existing cross-border e-commerce managers to formulate individual strategies that combine to optimize the industry while keeping the enterprise competitive. This book is useful in both developed and developing country contexts. This publication is an ideal resource for academicians, policy makers, stakeholders, and cross-border e-commerce managers, especially from SMEs.

GDPR Compliance A Complete Guide - 2019 Edition

5starcooks What percentage of your additional budget is for GDPR compliance? Has reporting of privacy matters to the board of directors changed in the last year as part of GDPR compliance efforts? Are you planning to update your policies for GDPR compliance? Which best describes your organizations approach to GDPR compliance? Are you subject to/on a path toward GDPR compliance? Defining, designing, creating, and implementing a process to solve a challenge or meet an objective is the most valuable role... In EVERY group, company, organization and department. Unless you are talking a one-time, single-use project, there should be a process. Whether that process is managed and implemented by humans, AI, or a combination of the two, it needs to be designed by someone with a complex enough perspective to ask the right questions. Someone capable of asking the right questions and step back and say, 'What are we really trying to accomplish here? And is there a different way to look at it?' This Self-Assessment empowers people to do just that - whether their title is entrepreneur, manager, consultant, (Vice-)President, CxO etc... - they are the people who rule the future. They are the person who asks the right questions to make GDPR Compliance investments work better. This GDPR Compliance All-Inclusive Self-Assessment enables You to be that person. All the tools you need to an in-depth GDPR Compliance Self-Assessment. Featuring 922 new and updated case-based questions, organized into seven core areas of process design, this Self-Assessment will help you identify areas in which GDPR Compliance improvements can be made. In using the questions you will be better able to: - diagnose GDPR Compliance projects, initiatives, organizations, businesses and processes using accepted diagnostic standards and practices - implement evidence-based best practice strategies aligned with overall goals - integrate recent advances in GDPR Compliance and process design strategies into practice according to best practice guidelines Using a Self-Assessment tool known as the GDPR Compliance Scorecard, you will develop a clear picture of which GDPR Compliance areas need attention. Your purchase includes access details to the GDPR Compliance self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. You will receive the following contents with New and Updated specific criteria: - The latest quick edition of the book in PDF - The latest complete edition of the book in PDF, which criteria correspond to the criteria in... - The Self-Assessment Excel Dashboard - Example pre-filled Self-Assessment Excel Dashboard to get familiar with results generation - In-depth and specific GDPR Compliance Checklists - Project management checklists and templates to assist with implementation INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books. Lifetime Updates is an industry-first feature which allows you to receive verified self assessment updates, ensuring you always have the most accurate information at your fingertips.

EU GDPR

A Pocket Guide, Second Edition

IT Governance Ltd This book provides an accessible overview of the changes you need to make in your organization to comply with the new law. --

GDPR For Dummies

John Wiley & Sons Don't be afraid of the GDPR wolf! How can your business easily comply with the new data protection and privacy laws and avoid fines of up to $27M? GDPR For Dummies sets out in simple steps how small business owners can comply with the complex General Data Protection Regulations (GDPR). These regulations apply to all businesses established in the EU and to businesses established outside of the EU insofar as they process personal data about people within the EU. Inside, you'll discover how GDPR applies to your business in the context of marketing, employment, providing your services, and using service providers. Learn how to avoid fines, regulatory investigations, customer complaints, and brand damage, while gaining a competitive advantage and increasing customer loyalty by putting privacy at the heart of your business. Find out what constitutes personal data and special category data Gain consent for online and offline marketing Put your Privacy Policy in place Report a data breach before being fined 79% of U.S. businesses haven't figured out how they'll report breaches in a timely fashion, provide customers the right to be forgotten, conduct privacy impact assessments, and more. If you are one of those businesses that hasn't put a plan in place, then GDPR For Dummies is for you.

Data Privacy and GDPR Handbook

John Wiley & Sons The definitive guide for ensuring data privacy and GDPR compliance Privacy regulation is increasingly rigorous around the world and has become a serious concern for senior management of companies regardless of industry, size, scope, and geographic area. The Global Data Protection Regulation (GDPR) imposes complex, elaborate, and stringent requirements for any organization or individuals conducting business in the European Union (EU) and the European Economic Area (EEA)—while also addressing the export of personal data outside of the EU and EEA. This recently-enacted law allows the imposition of fines of up to 5% of global revenue for privacy and data protection violations. Despite the massive potential for steep fines and regulatory penalties, there is a distressing lack of awareness of the GDPR within the business community. A recent survey conducted in the UK suggests that only 40% of firms are even aware of the new law and their responsibilities to maintain compliance. The Data Privacy and GDPR Handbook helps organizations strictly adhere to data privacy laws in the EU, the USA, and governments around the world. This authoritative and comprehensive guide includes the history and foundation of data privacy, the framework for ensuring data privacy

across major global jurisdictions, a detailed framework for complying with the GDPR, and perspectives on the future of data collection and privacy practices. Comply with the latest data privacy regulations in the EU, EEA, US, and others Avoid hefty fines, damage to your reputation, and losing your customers Keep pace with the latest privacy policies, guidelines, and legislation Understand the framework necessary to ensure data privacy today and gain insights on future privacy practices The Data Privacy and GDPR Handbook is an indispensable resource for Chief Data Officers, Chief Technology Officers, legal counsel, C-Level Executives, regulators and legislators, data privacy consultants, compliance officers, and audit managers.

Developments and Advances in Defense and Security

Proceedings of MICRADS 2019

Springer This book gathers the proceedings of the Multidisciplinary International Conference of Research Applied to Defense and Security (MICRADS), held at the Military Engineering Institute, Rio de Janeiro, Brazil, from 8 to 10th May 2019. It covers a variety of topics in systems, communication and defense; strategy and political-administrative vision in defense; and engineering and technologies applied to defense. Given its scope, it offers a valuable resource for practitioners, researchers, and students alike.

Privacy Technologies and Policy

9th Annual Privacy Forum, APF 2021, Oslo, Norway, June 17–18, 2021, Proceedings

Springer Nature This book constitutes the refereed conference proceedings of the 9th Annual Privacy Forum, APF 2021. Due to COVID-19 pandemic the conference was held virtually. The 9 revised full papers were carefully reviewed and selected from 43 submissions. The papers are organized in topical sections on Implementing Personal Data Processing Principles; Privacy Enhancing Technologies; Promoting Compliance with the GDPR.

EU General Data Protection

Regulation (GDPR) – An implementation and compliance guide, fourth edition

IT Governance Ltd Now in its fourth edition, this bestselling guide is the ideal companion for anyone carrying out a GDPR (General Data Protection Regulation) compliance project. It provides comprehensive guidance and practical advice on complying with the Regulation.

Wireless Algorithms, Systems, and Applications

14th International Conference, WASA 2019, Honolulu, HI, USA, June 24–26, 2019, Proceedings

Springer This book constitutes the proceedings of the 14th International Conference on Wireless Algorithms, Systems, and Applications, WASA 2019, held in Honolulu, HI, USA, in June 2019. The 43 full and 11 short papers presented were carefully reviewed and selected from 143 submissions. The papers deal with new ideas and recent advances in computer systems, wireless networks, distributed applications, and advanced algorithms that are pushing forward the new technologies for better information sharing, computer communication, and universal connected devices in various environments, especially in wireless networks.

Research Anthology on Privatizing and Securing Data

IGI Global With the immense amount of data that is now available online, security concerns have been an issue from the start, and have grown as new technologies are increasingly integrated in data collection, storage, and transmission. Online cyber threats, cyber terrorism, hacking, and other cybercrimes have begun to take advantage of this information that can be easily accessed if not properly handled. New privacy and security measures have been developed to address this cause for concern and have become an essential area of research within the past few years and into the foreseeable future. The ways in which data is secured and privatized

should be discussed in terms of the technologies being used, the methods and models for security that have been developed, and the ways in which risks can be detected, analyzed, and mitigated. The Research Anthology on Privatizing and Securing Data reveals the latest tools and technologies for privatizing and securing data across different technologies and industries. It takes a deeper dive into both risk detection and mitigation, including an analysis of cybercrimes and cyber threats, along with a sharper focus on the technologies and methods being actively implemented and utilized to secure data online. Highlighted topics include information governance and privacy, cybersecurity, data protection, challenges in big data, security threats, and more. This book is essential for data analysts, cybersecurity professionals, data scientists, security analysts, IT specialists, practitioners, researchers, academicians, and students interested in the latest trends and technologies for privatizing and securing data.

The EU General Data Protection Regulation (GDPR)

A Commentary

Oxford University Press, USA This new book provides an article-by-article commentary on the new EU General Data Protection Regulation. Adopted in April 2016 and applicable from May 2018, the GDPR is the centrepiece of the recent reform of the EU regulatory framework for protection of personal data. It replaces the 1995 EU Data Protection Directive and has become the most significant piece of data protection legislation anywhere in the world. The book is edited by three leading authorities and written by a team of expert specialists in the field from around the EU and representing different sectors (including academia, the EU institutions, data protection authorities, and the private sector), thus providing a pan-European analysis of the GDPR. It examines each article of the GDPR in sequential order and explains how its provisions work, thus allowing the reader to easily and quickly elucidate the meaning of individual articles. An introductory chapter provides an overview of the background to the GDPR and its place in the greater structure of EU law and human rights law. Account is also taken of closely linked legal instruments, such as the Directive on Data Protection and Law Enforcement that was adopted concurrently with the GDPR, and of the ongoing work on the proposed new E-Privacy Regulation.

Compliance Rules for Barristers

Austin Macauley Publishers Compliance Rules for Barristers provides a clear and detailed account of the core duties of a barrister, mandatory rules, and additional rules for certain Direct Public Access Work. It sets out the steps that a sole practitioner must adopt to comply with the new transparency rules of the Bar Standard Board. This book is primarily meant for sole practising barristers in England

and Wales, but the information could be of help to other lawyers, as well as to Law students. The book deals with: i. Prohibition on handling clients' money, regulatory returns and the information needed to be included in a regulatory return. ii. Consequences of failing to comply with compliance rules. iii. Guidance on dealing with necessary steps to comply with the current health crisis (the global pandemic), the new risks due to the pandemic as well as the new opportunities. iv. Money laundering regulations, governance arrangements and risk management. The book includes discussion of the relevant sections of the Data Protection Act 2018, and the Information Commissioner's Guidance which may be of interest to lawyers as well as to other professionals such as pharmacists, dentists, and doctors. It sets out guidance and deals with the necessary modifications to a barrister's practice considering the novel problems, and the new working order to serve the clients and to assist the courts. The book includes draft models of documents which could be adopted to be used in the legal practice. There are also references to the relevant decided cases and penalties pursuant to the Data Protection Act 2018.

Externalities and Enterprise Software: Helping and Hindering Legal Compliance

KIT Scientific Publishing

Blockchain and Applications

2nd International Congress

Springer Nature This book constitutes the refereed proceedings of the 1st International Congress on Blockchain and Applications 2020, BLOCKCHAIN'20, held in L'Aquila, Italy, in October 2020. Among the scientific community, blockchain and artificial intelligence are a promising combination that will transform the production and manufacturing industry, media, finance, insurance, e-government, etc. Nevertheless, there is no consensus with schemes or best practices that would specify how blockchain and artificial intelligence should be used together. The 21 full papers presented were carefully reviewed and selected from over 40 submissions. They contain the latest advances on blockchain and artificial intelligence and on their application domains, exploring innovative ideas, guidelines, theories, models, technologies, and tools, and identifying critical issues and challenges that researchers and practitioners must deal with in future research.

The REGTECH Book

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

John Wiley & Sons 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.

Systems, Software and Services Process Improvement

28th European Conference, EuroSPI 2021, Krems, Austria, September 1–3, 2021, Proceedings

Springer Nature This volume constitutes the refereed proceedings of the 28th European Conference on Systems, Software and Services Process Improvement, EuroSPI 2021, held in Krems, Austria, in September 2021*. The 42 full papers and 9 short papers presented were carefully reviewed and selected from 100 submissions. The volume presents core research contributions and selected industrial

contributions. Core research contributions: SPI and emerging software and systems engineering paradigms; SPI and team skills and diversity; SPI and recent innovations; SPI and agile; SPI and standards and safety and security norms; SPI and good/bad SPI practices in improvement; SPI and functional safety and cybersecurity; digitalisation of industry, infrastructure and e-mobility. Selected industrial contributions: SPI and emerging software and systems engineering paradigms; SPI and recent innovations; SPI and agile; SPI and standards and safety and security norms; SPI and good/bad SPI practices in improvement; SPI and functional safety and cybersecurity; digitalisation of industry, infrastructure and e-mobility; virtual reality. *The conference was partially held virtually due to the COVID-19 pandemic.

Personal Data Protection and Legal Developments in the European Union

IGI Global In the age of technological advancement, including the emergence of artificial intelligence, big data, and the internet of things, the need for privacy and protection has risen massively. This phenomenon has led to the enforcement of two major legal directives in the European Union (EU) that aim to provide vigorous protection of personal data. There is a need for research on the repercussions and developments that have materialized with these recent regulations and how the rest of the world has been affected. Personal Data Protection and Legal Developments in the European Union is an essential reference source that critically discusses different aspects of the GDPR and the Law Enforcement Directive as well as recent jurisprudential developments concerning data privacy in the EU and its member states. It also addresses relevant recent case law of the Court of Justice of the EU, the European Court of Human Rights, and national courts. Featuring research on topics such as public transparency, medical research data, and automated decision making, this book is ideally designed for law practitioners, data scientists, policymakers, IT professionals, politicians, researchers, analysts, academicians, and students working in the areas of privacy, data protection, big data, information technology, and human rights law.

The GDPR Challenge

Privacy, Technology, and Compliance in an Age of

Accelerating Change

CRC Press Consent is necessary for collecting, processing and transferring Personal Identifiable Information (PII) and sensitive personal data. But to what extent? What are the limitations and restricts to avoid penalties under The General Data Protection Regulation 2018 (GDPR) rules, which may be up to 4% of annual global turnover or €20 million (whichever is higher), enforcements and sanctions? Under GDPR Article 51, each EU Member State shall maintain an independent public authority to be responsible for monitoring the application of this regulation to protect the fundamental rights of data subjects (Supervisory Authority). The Supervisory Authority has powers to issue warnings, conduct audits, recommend remediation, order erasure of data and suspend data transfers to a third country. GDPR has changed the way data is used, accessed and stored. It's reach extends well beyond the European Union and is the basis of other data privacy laws around the world. This book provides a review and guidance on implementing and compliance of GDPR while taking advantage of technology innovations and supported by real-life examples. The book shows the wide scope of applications to protect data privacy while taking advantage of processes and techniques in various fields such as eDiscovery, Cyber Insurance, Virtual-based Intelligence, Information Security, Cyber Security, Information Governance, Blockchain and Biometric technologies and techniques.

EU Code of Conduct for Cloud Service Providers - A guide to compliance

IT Governance Publishing Ltd The EU Data Protection Code of Conduct for Cloud Service Providers provides guidance on how to implement the Code within your organisation, exploring the objectives of the Code and how compliance can be achieved with or without a pre-existing ISMS (information security management system) within the organisation.

Simplify Management of IT Security and Compliance with IBM PowerSC in Cloud and Virtualized

Environments

IBM Redbooks This IBM® Redbooks® publication provides a security and compliance solution that is optimized for virtualized environments on IBM Power SystemsTM servers, running IBM PowerVM® and IBM AIX®. Security control and compliance are some of the key components that are needed to defend the virtualized data center and cloud infrastructure against ever evolving new threats. The IBM business-driven approach to enterprise security that is used with solutions, such as IBM PowerSCTM, makes IBM the premier security vendor in the market today. The book explores, tests, and documents scenarios using IBM PowerSC that leverage IBM Power Systems servers architecture and software solutions from IBM to help defend the virtualized data center and cloud infrastructure against ever evolving new threats. This publication helps IT and Security managers, architects, and consultants to strengthen their security and compliance posture in a virtualized environment running IBM PowerVM.

Compliance Tools

COMPLIANCE TOOLS

Bruylant Compliance Law is defined by the Monumental Goals it pursues. Willingly or by force, companies must structure themselves and act to reach them. In a major and global transformation, they are thereby becoming transparent, making Compliance Tools visible. Emphasizing the unity of these Tools promotes a unified legal regime, while adapting them country by country, sector by sector, company by company. Understanding these Compliance Tools to anticipate the assessment made by Regulators, Supervisors and Courts, and the provisions of future texts, while companies are invited to invent new ones, is hopefully more appropriate. General perspectives through which risk maps, compliance programs, deals and judicial agreements, ad hoc training, algorithms, audits, sanctions, controls, whistleblowing, collective actions, etc. are scrutinized. Co-published with the Journal of Regulation & Compliance.

Privacy and Identity Management. The Smart Revolution

12th IFIP WG 9.2, 9.5, 9.6/11.7, 11.6/SIG 9.2.2 International

Summer School, Ispra, Italy, September 4-8, 2017, Revised Selected Papers

Springer This book contains selected papers presented at the 12th IFIP WG 9.2, 9.5, 9.6/11.7, 11.6/SIG 9.2.2 International Summer School on Privacy and Identity Management, held in Ispra, Italy, in September 2017. The 12 revised full papers, 5 invited papers and 4 workshop papers included in this volume were carefully selected from a total of 48 submissions and were subject to a three-phase review process. The papers combine interdisciplinary approaches to bring together a host of perspectives: technical, legal, regulatory, socio-economic, social, societal, political, ethical, anthropological, philosophical, and psychological. They are organized in the following topical sections: privacy engineering; privacy in the era of the smart revolution; improving privacy and security in the era of smart environments; safeguarding personal data and mitigating risks; assistive robots; and mobility and privacy.

Title Privacy and Data Protection based on the GDPR

Subtitle Understanding the General Data Protection Regulation

Van Haren Information about people is becoming increasingly valuable. Enabled by new technologies, organizations collect and process personal data on a large scale. Free flow of data across Europe is vital for the common market, but it also presents a clear risk to the fundamental rights of individuals. This issue was addressed by the Council of the European Union and the European Parliament with the introduction of the General Data Protection Regulation (GDPR). For many organizations processing personal data, the GDPR came as a shock. Not so much its publication in the spring of 2016, but rather the articles that appeared about it in professional journals and newspapers leading to protests and unrest. "The heavy requirements of the law would cause very expensive measures in companies and organizations", was a concern. In addition, companies which failed to comply "would face draconian fines". This book is intended to explain where these requirements came from and to prove that the GDPR is not incomprehensible, that the principles are indeed remarkably easy to understand. It will help anyone in charge of, or involved in, the processing of personal data to take advantage of the innovative technologies in processing without being unduly hindered by the limitations of the GDPR. The many examples and

references to EDPB (European Data Protection Board) publications, recent news articles and case law clarify the requirements of the law and make them accessible and understandable. "Leo's book can provide very effective support to you and your colleagues in reaching this understanding and applying it in practice." Fintan Swanton, Managing Director of Cygnus Consulting Ltd., Ireland.

Heterogeneous Data Management, Polystores, and Analytics for Healthcare

VLDB 2019 Workshops, Poly and DMAH, Los Angeles, CA, USA, August 30, 2019, Revised Selected Papers

Springer Nature This book constitutes the refereed post-conference proceedings for the VLBD conference workshops entitled: Towards Polystores That Manage Multiple Databases, Privacy, Security and/or Policy Issues for Heterogenous Data (Poly 2019) and the Fifth International Workshop on Data Management and Analytics for Medicine and Healthcare (DMAH 2019), held in Los Angeles, CA, USA, in August 2019, in conjunction with the 45th International Conference on Very Large Data Bases, VLDB 2019. The 20 regular papers presented together with 2 keynote papers were carefully reviewed and selected from 31 initial submissions. The papers are organized in topical sections named: Poly 2019: Privacy, Security and/or Policy Issues for Heterogenous Data; Building Polystore Systems. DMAH 2019: Database Enabled Biomedical Research; AI for Healthcare; Knowledge Discovery from Unstructured Biomedical Data; Blockchain and Privacy Preserving Data Management.

Healthtech Innovation

How Entrepreneurs Can Define and Build the Value of Their New

Products

CRC Press Today, over 500,000 medical technologies are available in hospitals, homes, and community care settings. They range from simple bandages to complex, multi-part body scanners that cost millions of dollars to develop. Yet a typical technology has a lifecycle of just 21 months before an improved product usurps it—the healthcare ecosystem is rapidly advancing and driven by a constant flow of innovation. And those innovations need innovators. With $21 billion made available for investment in the digital healthcare industry in 2020 (a 20x increase on 2010), entrepreneurs, investors, and related actors are entering the healthcare ecosystem in greater numbers than ever before. Last year alone, over 17,000 medical technology patents were filed, the third highest of all patent types. Each of those has a dedicated team of entrepreneurs behind it. Yet with increasingly strict regulations and pharmaceutical giants growing more aggressive, many thousands of entrepreneurs fail before even the patent stage: just 2% secure revenue or adoption. Healthtech Innovation: How Entrepreneurs Can Define and Build the Value of Their New Products is a down-to-earth survival guide for entrepreneurs struggling to secure a strategic position within the healthtech ecosystem. Which is expected that by 2026, the global digital health market size will be around $657 billion. This book is designed to help innovators navigate this complex and newly volatile landscape. It covers business strategy, marketing, funding acquisition, and operation in a global regulatory context. It is written in simple language, evidenced by the latest academic and industry research, and explained using real-world examples and case studies.

Ultimate GDPR Practitioner Guide (2nd Edition)

Fox Red Risk The Ultimate GDPR Practitioner Guide (2nd Edition) provides those tasked with implementing Data Protection processes, useful information and supporting case law to aid in achieving compliance with GDPR. The second edition is crammed with new and updated advice, guidance and templates and also includes a copy of the full regulation text and the supporting recitals.

Facebook and the (EU) Law

How the Social Network Reshaped the Legal Framework

Springer Nature The past two decades have seen a radical change in the online landscape with the emergence of GAFAM (Google, Amazon, Facebook, Apple and Microsoft). Facebook, specifically, has acquired a unique monopoly position among

social media, and is part of the digital lives of billions of users. A mutual influence between Facebook and the legal framework has gradually emerged, as EU legislators and judges are on the one hand forced to accept the reality of new, widespread behaviors and practices and on the other have constructed a legal framework that imposes limits and rules on the use of the social network.This book offers a unique perspective on this relationship, exploring the various activities and services proposed by Facebook and discussing the attendant legal issues. Accordingly, questions concerning the GDPR, its principles, rights and obligations are in the center of the discussions. However, the book does not limit its scope to data protection: Facebook has also greatly contributed to a liberalization and democratization of speech. In accordance, the classic principles of media law must be revisited, adapted or suitably enforced on the platform. Intellectual property law governs what is owned and by whom, no matter whether raw data or informational goods are concerned. Frameworks on hate speech and fake news are the result of coregulation principles of governance, whereas defamation jurisprudence continues to evolve, considering the consequences of merely "liking" certain content. The economic model of advertising is also governed by strict rules. Above all, Facebook is currently caught in a dilemma of substantial interest for society as a whole: is it a neutral online intermediary, i.e., merely a passive player on the Internet, or is it transforming against its will into an editorial service? In conclusion, the book has a dual purpose. First, it proposes a global and practical approach to the EU legal framework on Facebook. Second, it explores the current limits and the ongoing transformation of EU Internet law as it steadily adapts to life in the new digital world.

Data Privacy Law

An International Perspective

OUP Oxford This is the first work to examine the fundamental aims and principles of data privacy law in an international context. Bygrave analyses relevant law from across the globe, paying particular attention to international instruments and using these as a foundation for examining national law.

Elgar Encyclopedia of Law and Data Science

Edward Elgar Publishing This Encyclopedia brings together jurists, computer scientists, and data analysts to map the emerging field of data science and law for the first time, uncovering the challenges, opportunities, and fault lines that arise as these groups are increasingly thrown together by expanding attempts to regulate and adapt to a data-driven world. It explains the concepts and tools at the crossroads of the many disciplines involved in data science and law, bridging scientific and applied domains. Entries span algorithmic fairness, consent, data protection, ethics, healthcare, machine learning, patents, surveillance, transparency

and vulnerability.

Behind The Membership

Lulu.com In 2017 we launched a new podcast series called "Behind the Membership". Its aim was t0 dig deep into the stories of real people running real, successful online membership businesses. Not to give them a platform to blow their own trumpet, but to get to the heart of what made them tick, how their journey had unfolded and what insights they'd picked up along the way. We had the privilege of uncovering some absolute gold in those conversations - an incredible wealth of insight and experience that was just too valuable to leave languishing in the archives of the podcast, so we've compiled the biggest takeaways into this book. These are real people, real memberships, real stories. Enjoy.

Provenance and Annotation of Data and Processes

7th International Provenance and Annotation Workshop, IPAW 2018, London, UK, July 9-10, 2018, Proceedings

Springer This book constitutes the refereed proceedings of the 7th International Provenance and Annotation Workshop, IPAW 2018, held in London, UK, in July 2018. The 12 revised full papers, 19 poster papers, and 2 demonstration papers presented were carefully reviewed and selected from 50 submissions. The papers feature a variety of provenance-related topics ranging from the capture and inference of provenance to its use and application.They are organized in topical sections on reproducibility; modeling, simulating and capturing provenance; PROV extensions; scientific workflows; applications; and system demonstrations.

The Staff Engineer's Path

"O'Reilly Media, Inc." For years, companies have rewarded their most effective engineers with management positions. But treating management as the default path for an engineer with leadership ability doesn't serve the industry well--or the engineer. The staff engineer's path allows engineers to contribute at a high level as role models, driving big projects, determining technical strategy, and raising everyone's skills. This in-depth book shows you how to understand your role, manage your time, master strategic thinking, and set the standard for technical

work. You'll read about how to be a leader without direct authority, how to plan ahead to make the right technical decisions, and how to make everyone around you better, while still growing as an expert in your domain. By exploring the three pillars of a staff engineer's job, Tanya Reilly, a veteran of the staff engineer track, shows you how to: Take a broad, strategic view when thinking about your work Dive into practical tactics for making projects succeed Determine what "good engineering" means in your organization

Government Cloud Procurement

Cambridge University Press An essential, in-depth analysis of the key legal issues that governments face when adopting cloud computing services.

Algorithmic Regulation

As the power and sophistication of 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 sectorsfrom 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 fromclear 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 whichthe 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 ofcontributors 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, theway 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, theway 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.

Migrating to Azure

Transforming Legacy Applications into Scalable Cloud-First Solutions

Apress Design an enterprise solution from scratch that allows the migration of a legacy application. Begin with the planning and design phase and be guided through all the stages of selecting the architecture framework that fits your enterprise. Join Microsoft MVP Josh Garverick as he addresses all major areas of design and implementation—application, infrastructure, data, security, and deployment—while leveraging the power and tools of Visual Studio Team Services (VSTS) to bring DevOps to the forefront. With an emphasis on principles and best practices of enterprise design, you will discover how to recognize existing patterns within the legacy platform and to identify potential risks, bottlenecks, and candidates for automation. What You'll Learn Accurately and completely capture baseline information about a legacy system Leverage enterprise patterns for constructing next-generation platforms in the cloud Design, plan, and implement deployment pipelines to enable continuous delivery Identify and implement cloud-based platform components to reduce total cost of ownership Understand testing and validation: iterative component authoring, monitoring, deployment, and performance Price and perform capacity planning for cloud-based infrastructure and workloads Who This Book Is For Enterprise architects and IT professionals who are required to keep legacy applications relevant in today's cloud-first world

The EU General Data Protection Regulation (GDPR)

A Practical Guide

Springer This book provides expert advice on the practical implementation of the European Union's General Data Protection Regulation (GDPR) and systematically analyses its various provisions. Examples, tables, a checklist etc. showcase the practical consequences of the new legislation. The handbook examines the GDPR's scope of application, the organizational and material requirements for data protection, the rights of data subjects, the role of the Supervisory Authorities, enforcement and fines under the GDPR, and national particularities. In addition, it supplies a brief outlook on the legal consequences for seminal data processing areas, such as Cloud Computing, Big Data and the Internet of Things.Adopted in 2016, the General Data Protection Regulation will come into force in May 2018. It provides for numerous new and intensified data protection obligations, as well as a significant increase in fines (up to 20 million euros). As a result, not only companies located within the European Union will have to change their approach to data security; due to the GDPR's broad, transnational scope of application, it will affect numerous companies worldwide.