Gdpr Privacy By Design

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.

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.

Woodrow Hartzog develops the underpinning of a new kind of privacy law responsive to the way people actually perceive and use digital technologies. Rather than permit exploitation, it would demand encryption, prohibit malicious interfaces that deceive users and leave them vulnerable, and require safeguards against abuses of biometric surveillance.

In this edited book, the authors delineate the challenges of building accountability into the Internet of Things and solutions for delivering on this critical societal challenge. They explain how the accountability principle impacts IoT development by presenting empirical studies of accountability in action.

Organizations of all kinds are recognizing the crucial importance of protecting privacy. Their customers, employees, and other stakeholders demand it. Today, failures to safeguard privacy can destroy organizational reputations – and even the organizations themselves. But implementing effective privacy protection is difficult, and there are few comprehensive resources for those tasked with doing so. In Information Privacy Engineering and Privacy by Design, renowned information technology author William Stallings brings together the comprehensive and practical guidance you need to succeed. Stallings shows how to apply today’s consensus best practices and widely-accepted standards documents in your environment, leveraging policy, procedures, and technology to meet legal and regulatory requirements and protect everyone who depends on you. Like Stallings’ other award-winning texts, this guide is designed to help readers quickly find the information and gain the mastery needed to implement effective privacy. Coverage includes: Planning for privacy: Approaches for managing and controlling the privacy control function; how to define your IT environment’s requirements; and how to develop appropriate policies and procedures for it Privacy threats: Understanding and identifying the full range of threats to privacy in information collection, storage, processing, access, and dissemination Information privacy technology: Satisfying the privacy requirements you’ve defined by using technical controls, privacy policies, employee awareness, acceptable use policies, and other techniques Legal and regulatory requirements: Understanding GDPR as well as the current spectrum of U.S. privacy regulations, with insight for mapping regulatory requirements to IT actions

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.

The General Data Protection Regulation is the latest, and one of the most stringent, regulations regarding Data Protection to be passed into law by the European Union. Fundamentally, it aims to protect the Rights and Freedoms of all the individuals included under its terms; ultimately the privacy and security of all our personal data. This requirement for protection extends globally, to all organizations, public and private, wherever personal data is held, processed, or transmitted concerning any EU citizen. Cyber Security is at the core of data protection and there is a heavy emphasis on the application of encryption and state of the art technology within the articles of the GDPR. This is considered to be a primary method in achieving compliance with the law. Understanding the overall use and scope of Cyber Security principles and tools allows for greater efficiency and more cost effective management of information systems. GDPR and Cyber Security for Business Information Systems is designed to present specific and practical information on the key areas of compliance to the GDPR relevant to Business Information Systems in a global context. Key areas covered include: - Principles and Rights within the GDPR - Information Security - Data Protection by Design and Default - Implementation Procedures - Encryption methods - Incident Response and Management - Data Breaches

This book features peer reviewed contributions from across the disciplines on themes relating to protection of data and to privacy protection. The authors explore fundamental and legal questions, investigate case studies and consider concepts and tools such as privacy by design, the risks of surveillance and fostering trust. Readers may trace both technological and legal evolution as chapters examine current developments in ICT such as cloud computing and the Internet of Things. Written during the process of the fundamental revision of revision of EU data protection law (the 1995 Data Protection Directive), this volume is highly topical. Since the European Parliament has adopted the General Data Protection Regulation (Regulation 2016/679), which will apply from 25 May 2018, there are many details to be sorted out. This volume identifies and exemplifies key, contemporary issues. From fundamental rights and offline alternatives, through transparency requirements to health data breaches, the reader is provided with a rich and detailed picture, including some daring approaches to privacy and data protection. The book will inform and inspire all stakeholders. Researchers with an interest in the philosophy of law and philosophy of technology, in computers and society, and in European and International law will all find something of value in this stimulating and engaging work.

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.

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.

The growth of data-collecting goods and services, such as ehealth and mhealth apps, smart watches, mobile fitness and dieting apps, electronic skin and ingestible tech, combined with recent technological developments such as increased capacity of data storage, artificial intelligence and smart algorithms, has spawned a big data revolution that has reshaped how we understand and approach health data. Recently the COVID-19 pandemic has foregrounded a variety of data privacy issues. The collection, storage, sharing and analysis of health- related data raises major legal and ethical questions relating to privacy, data protection, profiling, discrimination, surveillance, personal autonomy and dignity. This book examines health privacy questions in light of the General Data Protection Regulation (GDPR) and the general data privacy legal framework of the European Union (EU). The GDPR is a complex and evolving body of law that aims to deal with several technological and societal health data privacy problems, while safeguarding public health interests and addressing its internal gaps and uncertainties. The book answers a diverse range of questions including: What role can the GDPR play in regulating health surveillance and big (health) data analytics? Can it catch up with internet-age developments? Are the solutions to the challenges posed by big health data to be found in the law? Does the GDPR provide adequate tools and mechanisms to ensure public health objectives and the effective protection of privacy? How does the GDPR deal with data that concern children's health and academic research? By analysing a number of diverse questions concerning big health data under the GDPR from various perspectives, this book will appeal to those interested in privacy, data protection, big data, health sciences, information technology, the GDPR, EU and human rights law.

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.

This open access volume of the AIDA Europe Research Series on Insurance Law and Regulation offers the first comprehensive legal and regulatory analysis of the Insurance Distribution Directive (IDD). The IDD came into force on 1 October 2018 and regulates the distribution of insurance products in the EU. The book examines the main changes accompanying the IDD and analyses its impact on insurance distributors, i.e., insurance intermediaries and insurance undertakings, as well as the market. Drawing on interrelations between the rules of the Directive and other fields that are relevant to the distribution of insurance products, it explores various topics related to the interpretation of the IDD - e.g. the harmonization achieved under it; its role as a benchmark for national legislators; and its interplay with other regulations and sciences - while also providing an empirical analysis of the standardised pre-contractual information document. Accordingly, the book offers a wealth of valuable insights for academics, regulators, practitioners and students who are interested in issues concerning insurance distribution.--

GDRP will be upon us soon and we must be prepared. This book aims to educate, develop and guide DevOps as well as security practitioners how to plan, develop and manage product development so that their products will meet Privacy compliance. The book aims to educate devops about the GDPR and also to explain how devops and security work better together when designing and developing products. We will discuss why we need Privacy By Design and Default and why every developer must strive to meet these goals. Everything has changed since GDPR, personal privacy is a major factor and we must learn to change with it or face the consequences. In summary, we will discuss data governance, encryption and application development controls, but the focus is on GDPR, personal Privacy and how to develop compliant products that are both lawful and ethical.

Strategic Privacy by DesignDesigning for Privacy and its Legal FrameworkData Protection by Design and Default for the Internet of ThingsSpringer

This book constitutes the refereed proceedings of the 14th International Conference on Persuasive Technology, PERSUASIVE 2019, held in Limassol, Cyprus, in April 2019. The 29 full papers presented were carefully reviewed and selected from 79 submissions. The papers demonstrate how persuasive technologies can help solve societal issues. They were subsequently grouped in the following topical sections: Terminologies and methodologies; self-monitoring and reflection; systems development process; drones and automotives; ethical and legal aspects; special application domains; motivation and goal setting; personality, age and gender; social support; user types and tailoring.

This volume brings together papers that offer methodologies, conceptual analyses, highlight issues, propose solutions, and discuss practices regarding privacy and data protection. It is one of the results of the eight annual International Conference on Computers, Privacy, and Data Protection, CPDP 2015, held in Brussels in January 2015. The book explores core concepts, rights and values in (upcoming) data protection regulation and their (in)adequacy in view of developments such as Big and Open Data, including the right to be forgotten, metadata, and anonymity. It discusses privacy promoting methods and tools such as a formal systems modeling methodology, privacy by design in various forms (robotics, anonymous payment), the opportunities and burdens of privacy self management, the differentiating role privacy can play in innovation. The book also discusses EU policies with respect to Big and Open Data and provides advice to policy makers regarding these topics. Also attention is being paid to regulation and its effects, for instance in case of the so-called 'EU-cookie law' and groundbreaking cases, such as Europe v. Facebook. This interdisciplinary book was written during what may turn out to be the final stages of the process of the fundamental revision of the current EU data protection law by the Data Protection Package proposed by the European Commission. It discusses open issues and daring and prospective approaches. It will serve as an insightful resource for readers with an interest in privacy and data protection.

The need for information privacy and security continues to grow and gets increasingly recognized. In this regard, Privacy-preserving Attribute-based Credentials (Privacy-ABCs) are elegant techniques to provide secure yet privacy-respecting access control. This book addresses the federation and interchangeability of Privacy-ABC technologies. It defines a common, unified architecture for Privacy-ABC systems that allows their respective features to be compared and combined Further, this book presents open reference implementations of selected Privacy-ABC systems and explains how to deploy them in actual production pilots, allowing provably accredited members of restricted communities to provide anonymous feedback on their community or its members. To date, credentials such as digitally signed pieces of personal information or other information used to authenticate or identify a user have not been designed to respect the users' privacy. They inevitably reveal the identity of the holder even though the application at hand often needs much less information, e.g. only the confirmation that the holder is a teenager or is eligible for social benefits. In contrast, Privacy-ABCs allow their holders to reveal only

their minimal information required by the applications, without giving away their full identity information. Privacy-ABCs thus facilitate the implementation of a trustworthy and at the same time privacy-respecting digital society. The ABC4Trust project as a multidisciplinary and European project, gives a technological response to questions linked to data protection. Viviane Reding (Former Vice-president of the European Commission, Member of European Parliament)

"It's our thesis that privacy will be an integral part of the next wave in the technology revolution and that innovators who are emphasizing privacy as an integral part of the product life cycle are on the right track." --The authors of The Privacy Engineer's Manifesto The Privacy Engineer's Manifesto: Getting from Policy to Code to QA to Value is the first book of its kind, offering industry-proven solutions that go beyond mere theory and adding lucid perspectives on the challenges and opportunities raised with the emerging "personal" information economy. The authors, a uniquely skilled team of longtime industry experts, detail how you can build privacy into products, processes, applications, and systems. The book offers insight on translating the guiding light of OECD Privacy Guidelines, the Fair Information Practice Principles (FIPPs), Generally Accepted Privacy Principles (GAPP) and Privacy by Design (PbD) into concrete concepts that organizations, software/hardware engineers, and system administrators/owners can understand and apply throughout the product or process life cycle—regardless of development methodology—from inception to retirement, including data deletion and destruction. In addition to providing practical methods to applying privacy engineering methodologies, the authors detail how to prepare and organize an enterprise or organization to support and manage products, process, systems, and applications that require personal information. The authors also address how to think about and assign value to the personal information assets being protected. Finally, the team of experts offers thoughts about the information revolution that has only just begun, and how we can live in a world of sensors and trillions of data points without losing our ethics or value(s)...and even have a little fun. The Privacy Engineer's Manifesto is designed to serve multiple stakeholders: Anyone who is involved in designing, developing, deploying and reviewing products, processes, applications, and systems that process personal information, including software/hardware engineers, technical program and product managers, support and sales engineers, system integrators, IT professionals, lawyers, and information privacy and security professionals. This book is a must-read for all practitioners in the personal information economy. Privacy will be an integral part of the next wave in the technology revolution; innovators who emphasize privacy as an integral part of the product life cycle are on the right track. Foreword by Dr. Eric Bonabeau, PhD, Chairman, Icosystem, Inc. & Dean of Computational Sciences, Minerva Schools at KGI.

The complexities of implementing the General Data Protection Regulation (GDPR) continue to grow as it progresses through new and ever-changing technologies, business models, codes of conduct, and decisions of the supervisory authorities, and the courts. This eminently practical guide to implementing the GDPR – written in an original, problem-solving style by a highly experienced data protection expert with equal knowledge of both law and technology – provides a step-by-step project management approach to building a GDPR-compliant data protection system, assessing, and documenting the risks and then implementing these changes through processes at the operational level. With detailed attention to case law (Member State, ECJ, and ECHR), especially where affecting high-risk areas that have attracted scrutiny, the guidance proceeds systematically through such topics and issues as the following: required documentation, policies, and procedures; risk assessment tools and analysis frameworks; children’s data; employee and health data; international transfers post-Schrems II; data subject rights including the right of access; data retention and erasure; tracking and surveillance; and effects of technologies such as artificial intelligence, biometrics, and machine learning. With its practical examples derived from the author’s experience in building GDPR-compliant software, as well as its analysis of case law and enforcement priorities, this incomparable guide enables company data protection officers and compliance staff to advise on key issues with full awareness of the legal and reputational risks and how to mitigate them. It is also sure to be of immeasurable value to concerned regulators and policymakers at all government levels. Disclaimer: This title is in pre-production and any names, credits or associations are subject to change. The current table of contents and subject matter is for pre-release sample purposes only.

The aim of this handbook is to raise awareness and improve knowledge of data protection rules in European Union and Council of Europe member states by serving as the main point of reference to which readers can turn. It is designed for non-specialist legal professionals, judges, national data protection authorities and other persons working in the field of data protection.

This open access book comprehensively covers the fundamentals of clinical data science, focusing on data collection, modelling and clinical applications. Topics covered in the first section on data collection include: data sources, data at scale (big data), data stewardship (FAIR data) and related privacy concerns. Aspects of predictive modelling using techniques such as classification, regression or clustering, and prediction model validation will be covered in the second section. The third section covers aspects of (mobile) clinical decision support systems, operational excellence and value-based healthcare. Fundamentals of Clinical Data Science is an essential resource for healthcare professionals and IT consultants intending to develop and refine their skills in personalized medicine, using solutions based on large datasets from electronic health records or telemonitoring programmes. The book’s promise is “no math, no code”and will explain the topics in a style that is optimized for a healthcare audience.

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.

This book on privacy and data protection offers readers conceptual analysis as well as thoughtful discussion of issues, practices, and solutions. It features results of the seventh annual International Conference on Computers, Privacy, and Data Protection, CPDP 2014, held in Brussels January 2014. The book first examines profiling, a persistent core issue of data protection and privacy. It covers the emergence of profiling technologies, on-line behavioral tracking, and the impact of profiling on fundamental rights and values. Next, the book looks at preventing privacy risks and harms through impact assessments. It contains discussions on the tools and methodologies for impact assessments as well as case studies. The book then goes on to cover the purported trade-off between privacy and security, ways to support privacy and data protection, and the controversial right to be forgotten, which offers individuals a means to oppose the often persistent digital memory of the web. Written during the process of the fundamental revision of the current EU data protection law by the Data Protection Package proposed by the European Commission, this interdisciplinary book presents both daring and prospective approaches. It will serve as an insightful resource for readers with an interest in privacy and data protection.

To execute and guarantee the right to privacy and data protection within the European Union (EU), the EU found it necessary to establish a stable, consistent framework for personal data protection and to enforce it in a decisive manner. This book, the most comprehensive guide available to the General Data Protection Regulation (GDPR), is the first English edition, updated and expanded, of a bestselling book published in Poland in 2018 by a renowned technology lawyer, expert to the European Commission on cloud computing and to the Article 29 Working Party (now: the European Data Protection Board) on data transfers who in fact contributed ideas to the GDPR. The implications of major innovations of the new system – including the obligation of businesses to consult the GDPR first rather than relevant Member State legislation and the extension of the GDPR to companies located outside of the European Economic Area – are fully analysed for the benefit of lawyers and companies worldwide. Among the specific issues and topics covered are the following: insight into the tricky nature of the GDPR; rules relating to free movement of personal data; legal remedies, liability, administrative sanctions; how to prove compliance with GDPR; direct liability of subcontractors (sub-processors); managing incidents and reporting data breaches; information on when and under what conditions the GDPR rules may apply to non-EU parties; backups and encryption; how to assess risk and adjust security accordingly and document the process; guidelines of the European Data Protection Board; and the GDPR's digest for obligated parties in a form of a draft data protection policy. The Guide often breaks down GDPR articles into checklists of specific requirements. Of special value are the numerous ready-to-adapt template compliance documents presented in Part II. Because the GDPR contains a set of new obligations and a perspective of severe administrative fines for non-compliance, this guide is an indispensable practical resource for corporate data protection officers, in-house counsel, lawyers in data protection practice, and e-commerce start-ups worldwide.

This book discusses the implementation of privacy by design in Europe, a principle that has been codified within the European Data Protection Regulation (GDPR). While privacy by design inspires hope for future privacy-sensitive designs, it also introduces the need for a common understanding of the legal and technical concepts of privacy and data protection. By pursuing an interdisciplinary approach and comparing the problem definitions and objectives of both disciplines, this book bridges the gap between the legal and technical fields in order to enhance the regulatory and academic discourse. The research presented reveals the scope of legal principles and technical tools for privacy protection, and shows that the concept of privacy by design goes beyond the principle of the GDPR. The book presents an analysis of how current regulations delegate the implementation of technical privacy and data protection measures to developers and describes how policy design must evolve in order to implement privacy by design and default principles.

This book constitutes the refereed proceedings of the 11th IFIP WG 11.8 World Conference on Information Security Education, WISE 11, held at the 24th IFIP World Computer Congress, WCC 2018, in Poznan, Poland, in September 2018. The 11 revised papers presented were carefully reviewed and selected from 25 submissions. They focus on cybersecurity and are organized in the following topical sections: information security learning techniques; information security training and awareness; and information security courses and curricula.

This book constitutes revised selected papers from the First Annual Privacy Forum, APF 2012, held in Limassol, Cyprus, in October 2012. The 13 revised papers presented in this volume were carefully reviewed and selected from 26 submissions. They are organized in topical sections named: modelling; privacy by design; identity management and case studies.

An exploration of how design might be led by marginalized communities, dismantle structural inequality, and advance collective liberation and ecological survival. What is the relationship between design, power, and social justice? “Design justice” is an approach to design that is led by marginalized communities and that aims expilcitly to challenge, rather than reproduce, structural inequalities. It has emerged from a growing community of designers in various fields who work closely with social movements and community-based organizations around the world. This book explores the theory and practice of design justice, demonstrates how universalist design principles and practices erase certain groups of people—specifically, those who are intersectionally disadvantaged or multiply burdened under the matrix of domination (white supremacist heteropatriarchy, ableism, capitalism, and settler colonialism)—and invites readers to “build a better world, a world where many worlds fit; linked worlds of collective liberation and ecological sustainability.” Along the way, the book documents a multitude of real-world community-led design practices, each grounded in a particular social movement. Design Justice goes beyond recent calls for design for good, user-centered design, and employment diversity in the technology and design professions; it connects design to larger struggles for collective liberation and ecological survival.

This open access book provides the first comprehensive collection of papers that provide an integrative view on cybersecurity. It discusses theories, problems and solutions on the relevant ethical issues involved. This work is sorely needed in a world where cybersecurity has become indispensable to protect trust and confidence in the digital infrastructure whilst respecting fundamental values like equality, fairness, freedom, or privacy. The book has a strong practical focus as it includes case studies outlining ethical issues in cybersecurity and presenting guidelines and other measures to tackle those issues. It is thus not only relevant for academics but also for practitioners in cybersecurity such as providers of security software, governmental CERTs or Chief Security Officers in companies.

Now in its second edition, EU GDPR - An Implementation and Compliance Guide is a clear and comprehensive guide to this new data protection law.

This book constitutes the refereed proceedings of the 16th International Conference on Trust, Privacy and Security in Digital Business, TrustBus 2019, held in Linz, Austria, in August 2019 in conjunction with DEXA 2019. The 11 full papers presented were carefully reviewed and selected from 24 submissions. The papers are organized in the following topical sections: privacy; and audit, compliance and threat intelligence. The chapter "A data utility-driven benchmark for de-identification methods" is open access under a CC BY 4.0 license at link.springer.com.

Large-scale data loss continues to make headline news, highlighting the need for stringent data protection policies, especially when personal or commercially sensitive information is at stake. This book provides detailed analysis of current data protection laws and discusses compliance issues, enabling the reader to construct a platform on which to build internal compliance strategies. The author is chair of the National Association of Data Protection Officers (NADPO).

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.

From May 2018, the General Data Protection Regulation 2016/679 (GDPR) replaces the Data Protection Directive 95/46/EC, representing a significant overhaul of data protection law in the European Union. Applicable to all EU Member States, the GDPR's relevance spans not only organizations operating within the EU, but also those operating outside the EU. This commentary, published in association with

German Law Publishers, provides a detailed look at the individual articles of the GDPR and is an essential resource aimed at helping legal practitioners prepare for compliance. Content includes: full text of the GDPR's articles and recitals, article-by-article commentary explaining the individual provisions and elements of each article; a general introduction to data protection law with a focus on issues such as: how to adapt a compliance management programme; whether or not to appoint a data protection officer; 'privacy by design' and 'privacy by default'; the consequences of non-compliance with the GDPR; data portability; and, the need for data protection impact assessments, a detailed index. In addition to lawyers and in-house counsel, this book is also suitable for law professors and students, and offers comprehensive coverage for law professors and students, and offers comprehensive coverage of this increasingly important area of data protection legislation. Book jacket.

This book constitutes the refereed proceedings of the 17th International Conference on Trust, Privacy and Security in Digital Business, TrustBus 2020, held in Bratislava, Slovakia, in September 2020. The conference was held virtually due to the COVID-19 pandemic. The 11 full and 4 short papers presented were carefully reviewed and selected from 28 submissions. The papers are organized in the following topical sections: blockchain, cloud security/hardware; economics/privacy; human aspects; privacy; privacy and machine learning; trust.