Artificial Intelligence And Law

What does computable law mean for the autonomy, authority, and legitimacy of the legal system? Are we witnessing a shift from Rule of Law to a new Rule of Technology? Should we even build these things in the first place? This unique volume collects original papers by a group of leading international scholars to address some of the fascinating questions raised by the encroachment of Artificial Intelligence (AI) into more aspects of legal process, administration, and culture. Weighing near-term benefits against the longer-term, and potentially path-dependent, implications of replacing human legal authority with computational
systems, this volume pushes back against the more uncritical accounts of AI in law and the eagerness of scholars, governments, and LegalTech developers, to overlook the more fundamental - and perhaps 'bigger picture' - ramifications of computable law. With contributions by Simon Deakin, Christopher Markou, Mireille Hildebrandt, Roger Brownsword, Sylvie Delacroix, Lyria Bennet Moses, Ryan Abbott, Jennifer Cobbe, Lily Hands, John Morison, Alex Sarch, and Dilan Thampapillai, as well as a foreword from Frank Pasquale.

The Reasonable Robot

The Centaur's Dilemma Use of argumentation methods applied to legal reasoning is a relatively new field of study. The book provides a survey of the leading problems, and outlines how future research using argumentation-based methods show great promise of leading to useful solutions. The problems studied include not only these of argument evaluation and argument invention, but also analysis of specific kinds of evidence commonly used in law, like witness testimony, circumstantial evidence, forensic evidence and character evidence. New tools for analyzing these kinds of evidence are introduced.

We, the Robots? Bringing a unique perspective to the burgeoning ethical and legal issues surrounding the presence of artificial intelligence in our daily lives, the book uses theory and practice on animal rights and the rights of nature to assess the status of robots. Through extensive philosophical and legal analyses, the book explores how rights can be applied to nonhuman entities. This task is completed by developing a framework useful for determining the kinds of personhood for which a nonhuman entity might be eligible, and a critical environmental ethic that extends moral and legal consideration to nonhumans. The framework and ethic are then applied to two hypothetical situations involving real-world technology—animal-like robot companions and humanoid sex robots. Additionally, the book approaches the subject from multiple perspectives, providing a comparative study of legal cases on animal rights and the rights of nature from around the world and insights from structured interviews with leading experts in the field of robotics. Ending with a call to rethink the concept of rights in the Anthropocene, suggestions for further research are made. An essential read for scholars and students interested in robot, animal and environmental law, as well as those interested
in technology more generally, the book is a ground-breaking study of an increasingly relevant topic, as robots become ubiquitous in modern society.

The Oxford Handbook of Ethics of AI

Artificial Intelligence and the Law Discover how artificial intelligence can improve how your organization practices law with this compelling resource from the creators of one of the world’s leading legal AI platforms. AI for Lawyers: How Artificial Intelligence is Adding Value, Amplifying Expertise, and Transforming Careers explains how artificial intelligence can be used to revolutionize your organization’s operations. Noah Waisberg and Dr. Alexander Hudek, a lawyer and a computer science Ph.D. who lead prominent legal AI business Kira Systems, have written an approachable and insightful book that will help you transform how your firm functions. AI for Lawyers explains how artificial intelligence can help your law firm: Win more business and find more clients Better meet and exceed client expectations Find hidden efficiencies Better manage and eliminate risk Increase associate and partner engagement Whether focusing on small or big law, AI for Lawyers is perfect for any lawyer who either feels uneasy about how AI might change law or is looking to capitalize on the evolving practice. With contributions from experts in the fields of e-Discovery, legal research, expert systems, and litigation analytics, it also belongs on the bookshelf of anyone who’s interested in the intersection of law and technology.

Law, Computer Science, and Artificial Intelligence In Artificial Intelligence: Robot Law, Policy and Ethics, Dr. Nathalie Rébé discusses the legal and contemporary issues in relation to creating conscious robots. This book provides an in-depth analysis of the existing regulatory tools, as well as a new comprehensive framework for regulating Strong AI.

Is Law Computable? The field of artificial intelligence (AI) and the law is on the cusp of a revolution that began with text analytic programs like IBM's Watson and Debater and the open-source information management architectures on which they are based. Today, new legal applications are beginning to appear and this book - designed to explain
computational processes to non-programmers - describes how they will change the practice of law, specifically by connecting computational models of legal reasoning directly with legal text, generating arguments for and against particular outcomes, predicting outcomes and explaining these predictions with reasons that legal professionals will be able to evaluate for themselves. These legal applications will support conceptual legal information retrieval and allow cognitive computing, enabling a collaboration between humans and computers in which each does what it can do best. Anyone interested in how AI is changing the practice of law should read this illuminating work.

Artificial Intelligence and Legal Analytics The availability of very large data sets and the increase in computing power to process them has led to a renewed intensity in corporate and governmental use of Artificial Intelligence (AI) technologies. This groundbreaking book, the first devoted entirely to the growing presence of AI in the legal profession, responds to the necessity of building up a discipline that due to its novelty requires the pooling of knowledge and experiences of well-respected experts in the AI field, taking into account the impact of AI on the law and legal practice. Essays by internationally known expert authors introduce the essentials of AI in a straightforward and intelligible style, offering jurists as many practical examples and business cases as possible so that they are able to understand the real application of this technology and its impact on their jobs and lives. Elements of the analysis include the following: crucial terms: natural language processing, machine learning and deep learning; regulations in force in major jurisdictions; ethical and social issues; labour and employment issues, including the impact that robots have on employment; prediction of outcome in the legal field (judicial proceedings, patent granting, etc.); massive analysis of documents and identification of patterns from which to derive conclusions; AI and taxation; issues of competition and intellectual property; liability and responsibility of intelligent systems; AI and cybersecurity; AI and data protection; impact on state tax revenues; use of autonomous killer robots in the military; challenges related to privacy; the need to embrace transparency and sustainability; pressure brought by clients on prices; minority languages and AI; danger that the existing gap between large and small businesses will further increase; how to avoid algorithmic biases when AI decides; AI application to due diligence; AI and non-disclosure agreements; and the role of chatbots. Interviews with pioneers in the field are included, so readers get insights into the issues that people are dealing with in day-to-day actualities. Whether conceiving AI as a transformative technology of the labour market
and training or an economic and business sector in need of legal advice, this introduction to AI will help practitioners in tax law, labour law, competition law and intellectual property law understand what AI is, what it serves, what is the state of the art and the potential of this technology, how they can benefit from its advantages and what are the risks it presents. As the global economy continues to suffer the repercussions of a framework that was previously fundamentally self-regulatory, policymakers will recognize the urgent need to formulate rules to properly manage the future of AI.

Research Handbook on the Law of Artificial Intelligence This collection critically explores the use of financial technology (FinTech) and artificial intelligence (AI) in the financial sector and discusses effective regulation and the prevention of crime. Focusing on crypto-assets, InsureTech and the digitisation of financial dispute resolution, the book examines the strategic and ethical aspects of incorporating AI into the financial sector. The volume adopts a comparative legal approach to: critically evaluate the strategic and ethical benefits and challenges of AI in the financial sector; critically analyse the role, values and challenges of FinTech in society; make recommendations on protecting vulnerable customers without restricting financial innovation; and to make recommendations on effective regulation and prevention of crime in these areas. The book will be of interest to teachers and students of banking and financial regulation related modules, researchers in computer science, corporate governance, and business and economics. It will also be a valuable resource for policy makers including government departments, law enforcement agencies, financial regulatory agencies, people employed within the financial services sector, and professional services such as law, and technology.

Economics and Law of Artificial Intelligence "How will the law change to accommodate the role of artificial intelligence in society and how much of that change has occurred already? When machines make their own decisions with financial impact, who receives credit or blame? This new guide provides an examination of how artificial intelligence has evolved, how it will affect the legal profession, and how the law will be reformed to meet the new realities created by AI. Written by high-level industry experts, this guide discusses a wide-range of AI topics including a history and introduction, healthcare regulation, entertainment, labor laws, aviation, military applications,
cybernetics and biorobotics, copyright law, cybersecurity issues, product liability, AI and the transactional law practice, the future of AI, and more."--

Artificial Intelligence Ethics and International Law This volume presents new research in artificial intelligence (AI) and Law with special reference to criminal justice. It brings together leading international experts including computer scientists, lawyers, judges and cyber-psychologists. The book examines some of the core problems that technology raises for criminal law ranging from privacy and data protection, to cyber-warfare, through to the theft of virtual property. Focusing on the West and China, the work considers the issue of AI and the Law in a comparative context presenting the research from a cross-jurisdictional and cross-disciplinary approach. As China becomes a global leader in AI and technology, the book provides an essential in-depth understanding of domestic laws in both Western jurisdictions and China on criminal liability for cybercrime. As such, it will be a valuable resource for academics and researchers working in the areas of AI, technology and criminal justice.

Artificial Intelligence and Legal Analytics Exploring potential scenarios of artificial intelligence regulation which prevent automated reality harming individual human rights or social values, this book reviews current debates surrounding AI regulation in the context of the emerging risks and accountabilities. Considering varying regulatory methodologies, it focuses mostly on EU’s regulation in light of the comprehensive policy making process taking place at the supranational level. Taking an ethics and humancentric approach towards artificial intelligence as the bedrock of future laws in this field, it analyses the relations between fundamental rights impacted by the development of artificial intelligence and ethical standards governing it. It contains a detailed and critical analysis of the EU’s Ethic Guidelines for Trustworthy AI, pointing at its practical applicability by the interested parties. Attempting to identify the most transparent and efficient regulatory tools that can assure social trust towards AI technologies, the book provides an overview of horizontal and sectoral regulatory approaches, as well as legally binding measures stemming from industries’ self-regulations and internal policies.

Contracting and Contract Law in the Age of Artificial Intelligence Assessing the legal and practical questions posed
by the use of artificial intelligence in national security matters. The increasing use of artificial intelligence poses challenges and opportunities for nearly all aspects of society, including the military and other elements of the national security establishment. This book addresses how national security law can and should be applied to artificial intelligence, which enables a wide range of decisions and actions not contemplated by current law. James Baker, an expert in national security law and process, adopts a realistic approach in assessing how the law—even when not directly addressing artificial intelligence—can be used, or even misused, to regulate this new technology. His new book covers, among other topics, national security process, constitutional law, the law of armed conflict, arms control, and academic and corporate ethics. With his own background as a judge, he examines potential points of contention and litigation in an area where the law is still evolving and might not yet provide clear and certain answers. The Centaur’s Dilemma also analyzes potential risks associated with the use of artificial intelligence in the realm of national security—including the challenges of machine-human interface, operating (or not operating) the national-security decision-making process at machine speed, and the perils of a technology arms race. Written in plain English, The Centaur’s Dilemma will help guide policymakers, lawyers, and technology experts as they deal with the many legal questions that will arise when using artificial intelligence to plan and carry out the actions required for the nation’s defense.

An Introductory Guide to Artificial Intelligence for Legal Professionals. Woodrow Barfield and Ugo Pagallo present a succinct introduction to the legal issues related to the design and use of artificial intelligence (AI). Exploring human rights, constitutional law, data protection, criminal law, tort law, and intellectual property law, they consider the laws of a number of jurisdictions including the US, the European Union, Japan, and China, making reference to case law and statutes.

AI For Lawyers. This volume presents new research in artificial intelligence (AI) and Law with special reference to criminal justice. It brings together leading international experts including computer scientists, lawyers, judges and cyber-psychologists. The book examines some of the core problems that technology raises for criminal law ranging from privacy and data protection, to cyber-warfare, through to the theft of virtual property. Focusing on the West
and China, the work considers the issue of AI and the Law in a comparative context presenting the research from a cross-jurisdictional and cross-disciplinary approach. As China becomes a global leader in AI and technology, the book provides an essential in-depth understanding of domestic laws in both Western jurisdictions and China on criminal liability for cybercrime. As such, it will be a valuable resource for academics and researchers working in the areas of AI, technology and criminal justice.

Artificial Intelligence and Intellectual Property This book focuses on the legal regulation, mainly from an international law perspective, of autonomous artificial intelligence systems, of their creations, as well as of the interaction of human and artificial intelligence. It examines critical questions regarding both the ontology of autonomous AI systems and the legal implications: what constitutes an autonomous AI system and what are its unique characteristics? How do they interact with humans? What would be the implications of combined artificial and human intelligence? It also explores potentially the most important questions: what are the implications of these developments for collective security –from both a state-centered and a human perspective, as well as for legal systems? Why is international law better positioned to make such determinations and to create a universal framework for this new type of legal personality? How can the matrix of obligations and rights of this new legal personality be construed and what would be the repercussions for the international community? In order to address these questions, the book discusses cognitive aspects embedded in the framework of law, offering insights based on both de lege lata and de lege ferenda perspectives.

Regulating Artificial Intelligence The availability of very large data sets and the increase in computing power to process them has led to a renewed intensity in corporate and governmental use of Artificial Intelligence (AI) technologies. This groundbreaking book, the first devoted entirely to the growing presence of AI in the legal profession, responds to the necessity of building up a discipline that due to its novelty requires the pooling of knowledge and experiences of well-respected experts in the AI field, taking into account the impact of AI on the law and legal practice. Essays by internationally known expert authors introduce the essentials of AI in a straightforward and intelligible style, offering jurists as many practical examples and business cases as possible so that they are able
to understand the real application of this technology and its impact on their jobs and lives. Elements of the analysis include the following: crucial terms: natural language processing, machine learning and deep learning; regulations in force in major jurisdictions; ethical and social issues; labour and employment issues, including the impact that robots have on employment; prediction of outcome in the legal field (judicial proceedings, patent granting, etc.); massive analysis of documents and identification of patterns from which to derive conclusions; AI and taxation; issues of competition and intellectual property; liability and responsibility of intelligent systems; AI and cybersecurity; AI and data protection; impact on state tax revenues; use of autonomous killer robots in the military; challenges related to privacy; the need to embrace transparency and sustainability; pressure brought by clients on prices; minority languages and AI; danger that the existing gap between large and small businesses will further increase; how to avoid algorithmic biases when AI decides; AI application to due diligence; AI and non-disclosure agreements; and the role of chatbots. Interviews with pioneers in the field are included, so readers get insights into the issues that people are dealing with in day-to-day actualities. Whether conceiving AI as a transformative technology of the labour market and training or an economic and business sector in need of legal advice, this introduction to AI will help practitioners in tax law, labour law, competition law and intellectual property law understand what AI is, what it serves, what is the state of the art and the potential of this technology, how they can benefit from its advantages and what are the risks it presents. As the global economy continues to suffer the repercussions of a framework that was previously fundamentally self-regulatory, policymakers will recognize the urgent need to formulate rules to properly manage the future of AI.

Book Review Digest

Robots in Law The Future of Copyright in the Age of Artificial Intelligence offers an extensive analysis of intellectual property and authorship theories and explores the possible impact artificial intelligence (AI) might have on those theories. The author makes compelling arguments via the exploration of authorship, ownership and artificial intelligence.
Rights for Robots Artificial Intelligence (AI) has become omnipresent in today's business environment: from chatbots to healthcare services to various ways of creating useful information. While AI has been increasingly used to optimize various creative and innovative processes, the integration of AI into products, services, and other operational procedures raises significant concerns across virtually all areas of intellectual property (IP) law. While AI has drawn extensive attention from IP experts globally, this is the first book providing a broad and comprehensive picture from the perspectives of the very nature of AI technology, its commercial implications, its interaction with different kinds of IP, IP administration, software and data, its social and economic impact on the innovation policy, and ultimately AI's eligibility as a legal entity.

Advanced Introduction to Law and Artificial Intelligence Artificial Intelligence is a rapidly evolving technology which is surrounded by hype, misinformation and hysteria. This book will guide you through the implications and structure of existing AI technologies and provide a practical and easily digestible path to the real issues that you need to consider as a legal practitioner.

Decisive Essays On AI And Law How are new technologies changing the practice of law? With examples and explanations drawn from the UK, US, Canada, Australia and other common law countries, as well as from China and Europe, this book considers the opportunities and implications for lawyers as artificial intelligence systems become commonplace in legal service delivery. It examines what lawyers do in the practice of law and where AI will impact this work. It also explains the important continuing role of the lawyer in an AI world. This book is divided into three parts: Part A provides an accessible explanation of AI, including diagrams, and contrasts this with the role and work of lawyers. Part B focuses on six different aspects of legal work (litigation, transactional, dispute resolution, regulation and compliance, criminal law and legal advice and strategy) where AI is making a considerable impact and looks at how this is occurring. Part C discusses how lawyers and law firms can best utilise the promise of AI, while also acknowledging its limitations. It also discusses ethical and regulatory issues, including the lawyer's role in upholding the rule of law.
An Introductory Guide to Artificial Intelligence for Legal Professionals Explains how artificial intelligence is pushing the limits of the law and how we must respond.

The Reasonable Robot Argues that treating people and artificial intelligence differently under the law results in unexpected and harmful outcomes for social welfare.

FinTech, Artificial Intelligence and the Law This book provides original, diverse, and timely insights into the nature, scope, and implications of Artificial Intelligence (AI), especially machine learning and natural language processing, in relation to contracting practices and contract law. The chapters feature unique, critical, and in-depth analysis of a range of topical issues, including how the use of AI in contracting affects key principles of contract law (from formation to remedies), the implications for autonomy, consent, and information asymmetries in contracting, and how AI is shaping contracting practices and the laws relating to specific types of contracts and sectors. The contributors represent an interdisciplinary team of lawyers, computer scientists, economists, political scientists, and linguists from academia, legal practice, policy, and the technology sector. The chapters not only engage with salient theories from different disciplines, but also examine current and potential real-world applications and implications of AI in contracting and explore feasible legal, policy, and technological responses to address the challenges presented by AI in this field. The book covers major common and civil law jurisdictions, including the EU, Italy, Germany, UK, US, and China. It should be read by anyone interested in the complex and fast-evolving relationship between AI, contract law, and related areas of law such as business, commercial, consumer, competition, and data protection laws.

Artificial Intelligence and the Law The field of artificial intelligence (AI) and the law is on the cusp of a revolution that began with text analytic programs like IBM's Watson and Debater and the open-source information management architectures on which they are based. Today, new legal applications are beginning to appear and this book - designed to explain computational processes to non-programmers - describes how they will change the practice of law, specifically by connecting computational models of legal reasoning directly with legal text, generating arguments for and against particular outcomes, predicting outcomes and explaining these predictions with reasons that legal
professionals will be able to evaluate for themselves. These legal applications will support conceptual legal information retrieval and allow cognitive computing, enabling a collaboration between humans and computers in which each does what it can do best. Anyone interested in how AI is changing the practice of law should read this illuminating work.

Argumentation Methods for Artificial Intelligence in Law Artificial Intelligence may be the disruptive tech to influence our lives, but in the end, it has its own species to grow, so let us not take it as something we use and leave. DESCRIPTION The book enters with its first chapter providing a simple and legal backdrop of the idea behind AI Ethics and International Law, its references and some important analogies and conceptual ideas. Also, the first chapter introduces some problems and questions regarding AI for contemplation in the field of jurisprudence. The second chapter vividly focuses on the deeper aspect of Artificial Intelligence, and goes to the principled developments of pure international law, with special analysis of the conceptions of sovereignty, self-determination and human rights. The chapter explores the catchy world of design and technology and covers with the diversity of issues revolving Artificial Intelligence Ethics. The third chapter gets specific with International Law and paves on ways towards the idea of the Privacy Doctrine conceived by the author. The chapter also explores the conceptual propositions in the field of Artificial Intelligence and International Law and renders about the scope of culture as a part of the social ecosystem to affect artificial intelligence. The chapter also lays the origination of the idea of an AI as an Entity, with special examples. The fourth chapter is centric towards human rights, making the debate beyond the legal literature and pragmatizing about the corporate idea of innovation and customer experience in various tech companies and institutions. The final chapter digs deeper into the principles and realms of cosmopolitanism and globalization, giving ways to discover and embark upon the role of human empathy and understanding to solve the issues that disruptive technology renders in its canvas. KEY FEATURES ● The book gives a lucid introduction to the idea of AI Ethics and its geopolitical implications. ● The book is insightful for an academic understanding of AI Ethics in the concept of Legal Personality meant for every person, including professionals in the field of Law, Social Sciences and Technology Studies. ● The book provides a special understanding and renders curiosity for readers to establish newer ideas and understand Artificial Intelligence from a sociocultural scenario. ● The book gives a cogent aspect of the relationship
between Artificial Intelligence and International Law. The book presents about an innovative and dimensional idea of Privacy with respect to AI in Legal Theory. WHAT WILL YOU LEARN The reader will learn about artificial intelligence in the eyes of a social animal, beyond the technical aspect of it. It enables the reader to challenge the conventional understanding of artificial intelligence and gives a motivation to understand the deep connect that AI is capable to create with humans in its social, economic and cultural scenarios rendered. It also poses a sense of curiosity and humility for people to understand the legal and social role of disrupting tech whether they are in a developed country or a developing one. WHO THIS BOOK IS FOR This book is based for students, academicians, educationists, professionals and policy researchers in the field of law, social sciences, management and technology to understand and get a special insight of artificial intelligence for mankind. It is also a good read for a layman audience to get into the idea of artificial intelligence ethics for their understanding and awareness. Table of Contents 1. Introduction to Artificial intelligence and International law 2. The Basic Relationship: The Pragmatism 3. Legal visibility: DOCTRINE and Concept for AI 4. Beyond the Human Rights Discourse: A New Vision 5. Student Devices Legal and Ethical Challenges of Artificial Intelligence from an International Law Perspective The field of artificial intelligence (AI) has made tremendous advances in the last two decades, but as smart as AI is now, it is getting smarter and becoming more autonomous. This raises a host of challenges to current legal doctrine, including whether AI/algorithms should count as ‘speech’, whether AI should be regulated under antitrust and criminal law statutes, and whether AI should be considered as an agent under agency law or be held responsible for injuries under tort law. This book contains chapters from US and international law scholars on the role of law in an age of increasingly smart AI, addressing these and other issues that are critical to the evolution of the field.

The Future of Copyright in the Age of Artificial Intelligence "Although 2016 has been the breakthrough year for artificial intelligence (AI) in legal services in terms of market awareness and significant take-up, legal AI represents evolution rather than revolution. Since the first "robot lawyers" started receiving mainstream press coverage, many law firms, other legal service providers and law colleges are being asked what they are doing about AI. Ark Group's Robots in Law: How Artificial Intelligence is Transforming Legal Services is designed to provide a starting point in
the form of an independent primer for anyone looking to get up to speed on AI in legal services [] Along with the emergence of New Law and the burgeoning lawtech start-up economy, AI is part of a new dynamic in legal technology and it is here to stay. The question now is whether AI will find its place as a facilitator of legal services delivery, or whether it will initiate a shift in the value chain that will transform the legal business model."

Robotics, AI and the Future of Law This book assesses the normative and practical challenges for artificial intelligence (AI) regulation, offers comprehensive information on the laws that currently shape or restrict the design or use of AI, and develops policy recommendations for those areas in which regulation is most urgently needed. By gathering contributions from scholars who are experts in their respective fields of legal research, it demonstrates that AI regulation is not a specialized sub-discipline, but affects the entire legal system and thus concerns all lawyers. Machine learning-based technology, which lies at the heart of what is commonly referred to as AI, is increasingly being employed to make policy and business decisions with broad social impacts, and therefore runs the risk of causing wide-scale damage. At the same time, AI technology is becoming more and more complex and difficult to understand, making it harder to determine whether or not it is being used in accordance with the law. In light of this situation, even tech enthusiasts are calling for stricter regulation of AI. Legislators, too, are stepping in and have begun to pass AI laws, including the prohibition of automated decision-making systems in Article 22 of the General Data Protection Regulation, the New York City AI transparency bill, and the 2017 amendments to the German Cartel Act and German Administrative Procedure Act. While the belief that something needs to be done is widely shared, there is far less clarity about what exactly can or should be done, or what effective regulation might look like. The book is divided into two major parts, the first of which focuses on features common to most AI systems, and explores how they relate to the legal framework for data-driven technologies, which already exists in the form of (national and supra-national) constitutional law, EU data protection and competition law, and anti-discrimination law. In the second part, the book examines in detail a number of relevant sectors in which AI is increasingly shaping decision-making processes, ranging from the notorious social media and the legal, financial and healthcare industries, to fields like law enforcement and tax law, in which we can observe how regulation by AI is becoming a reality.
An Artificial Intelligence Approach to Legal Reasoning This interdisciplinary and international handbook captures and shapes much needed reflection on normative frameworks for the production, application, and use of artificial intelligence in all spheres of individual, commercial, social, and public life.

Artificial Intelligence and the Legal Profession Artificial intelligence (AI) is becoming increasingly more prevalent in our daily social and professional lives. Although AI systems and robots bring many benefits, they present several challenges as well. The autonomous and opaque nature of AI systems implies that their commercialisation will affect the legal and regulatory framework. In this comprehensive book, scholars critically examine how AI systems may impact Belgian law. It contains contributions on consumer protection, contract law, liability, data protection, procedural law, insurance, health, intellectual property, arbitration, lethal autonomous weapons, tax law, employment law, ethics,?While specific topics of Belgian private and public law are thoroughly addressed, the book also provides a general overview of a number of regulatory and ethical AI evolutions and tendencies in the European Union. Therefore, it is a must-read for legal scholars, practitioners and government officials as well as for anyone with an interest in law and AI.

Artificial Intelligence: Robot Law, Policy and Ethics This book presents a comprehensive analysis of the alterations and problems caused by new technologies in all fields of the global digital economy. The impact of artificial intelligence (AI) not only on law but also on economics is examined. In the first part, the economics of AI are explored, including topics such as e-globalization and digital economy, corporate governance, risk management, and risk development, followed by a quantitative econometric analysis which utilizes regressions stipulating the scale of the impact. In the second part, the author presents the law of AI, covering topics such as the law of electronic technology, legal issues, AI and intellectual property rights, and legalizing AI. Case studies from different countries are presented, as well as a specific analysis of international law and common law. This book is a must-read for scholars and students of law, economics, and business, as well as policy-makers and practitioners, interested in a better understanding of legal and economic aspects and issues of AI and how to deal with them.
Artificial Intelligence - The Practical Legal Issues

Machines and computers are becoming increasingly sophisticated and self-sustaining. As we integrate such technologies into our daily lives, questions concerning moral integrity and best practices arise. A changing world requires renegotiating our current set of standards. Without best practices to guide interaction and use with these complex machines, interaction with them will turn disastrous. Machine Law, Ethics, and Morality in the Age of Artificial Intelligence is a collection of innovative research that presents holistic and transdisciplinary approaches to the field of machine ethics and morality and offers up-to-date and state-of-the-art perspectives on the advancement of definitions, terms, policies, philosophies, and relevant determinants related to human-machine ethics. The book encompasses theory and practice sections for each topical component of important areas of human-machine ethics both in existence today and prospective for the future. While highlighting a broad range of topics including facial recognition, health and medicine, and privacy and security, this book is ideally designed for ethicists, philosophers, scientists, lawyers, politicians, government lawmakers, researchers, academicians, and students. It is of special interest to decision- and policy-makers concerned with the identification and adoption of human-machine ethics initiatives, leading to needed policy adoption and reform for human-machine entities, their technologies, and their societal and legal obligations.

LAW OF ARTIFICIAL INTELLIGENCE. This text examines the interaction between the disciplines of law, computer science and artificial intelligence. The chapters are grouped into theory, implications and applications sections, in an attempt to identify separate, but interrelated methodological stances.

The Law of Artificial Intelligence and Smart Machines Artificial intelligence (AI) technologies are transforming economies, societies, and geopolitics. Enabled by the exponential increase of data that is collected, transmitted, and processed transnationally, these changes have important implications for international economic law (IEL). This volume examines the dynamic interplay between AI and IEL by addressing an array of critical new questions, including: How to conceptualize, categorize, and analyze AI for purposes of IEL? How is AI affecting established concepts and rubrics of IEL? Is there a need to reconfigure IEL, and if so, how? Contributors also respond to other cross-cutting issues, including digital inequality, data protection, algorithms and ethics, the regulation of AI-use cases...
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(autonomous vehicles), and systemic shifts in e-commerce (digital trade) and industrial production (fourth industrial revolution). This title is also available as Open Access on Cambridge Core.

Regulating Artificial Intelligence Today, artificial intelligence (AI) and people do not compete on a level playing field. From a safety perspective, AI may be the best choice for driving a vehicle, but laws often prohibit driverless vehicles. At the same time, a person may be better at packing boxes at a warehouse, but a business may automate because AI receives preferential tax treatment. Or, AI may be better at helping businesses to innovate, but these same businesses may not want to use AI if doing so restricts future intellectual property rights. In The Reasonable Robot, Ryan Abbott argues that the law should not discriminate between people and AI when they are performing the same tasks, a legal standard that will help to eliminate market distortions and to ensure that decisions are made on the basis of efficiency. This work should be read by anyone interested in the rapidly evolving relationship between AI and the law.

Machine Law, Ethics, and Morality in the Age of Artificial Intelligence A vital book by industry thought leader and global AI expert, Dr. Lance Eliot, and based on his popular AI Insider series and podcasts, this fascinating book provides pioneering advances for the field of AI and Law. Included are keen insights about the practical application of Artificial Intelligence (AI) and law, ranging from introductory material to more advanced perspectives. Topics include the fundamentals of AI and law, legal micro-directives, legal singularity, legal argumentation, robo-lawyers, robo-judges, AI adjudication, legal sentiment analysis, legal opinion mining, and much more.

Artificial Intelligence and the Law Artificial intelligence and related technologies are changing both the law and the legal profession. In particular, technological advances in fields ranging from machine learning to more advanced robots, including sensors, virtual realities, algorithms, bots, drones, self-driving cars, and more sophisticated “human-like” robots are creating new and previously unimagined challenges for regulators. These advances also give rise to new opportunities for legal professionals to make efficiency gains in the delivery of legal services. With the exponential growth of such technologies, radical disruption seems likely to accelerate in the near future. This
collection brings together a series of contributions by leading scholars in the newly emerging field of artificial intelligence, robotics, and the law. The aim of the book is to enrich legal debates on the social meaning and impact of this type of technology. The distinctive feature of the contributions presented in this edition is that they address the impact of these technological developments in a number of different fields of law and from the perspective of diverse jurisdictions. Moreover, the authors utilize insights from multiple related disciplines, in particular social theory and philosophy, in order to better understand and address the legal challenges created by AI. Therefore, the book will contribute to interdisciplinary debates on disruptive new AI technologies and the law.

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