Artificial Intelligence And Law

Research Handbook on the Law of Artificial Intelligence-Woodrow Barfield 2018-12-28 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.

Artificial Intelligence and Legal Analytics-Kevin Ashley 2017-07-31 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 - The Practical Legal Issues-John Buyers 2018 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.

AI For Lawyers-Noah Waisberg 2021-02-03 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.

An Introductory Guide to Artificial Intelligence for Legal Professionals-Juan Pavón 2020-05-14 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.

**Law, Computer Science, and Artificial Intelligence**-Ajit Narayanan 1998 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.

**Advanced Introduction to Law and Artificial Intelligence**-Woodrow Barfield 2020-10-30 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.

**Artificial intelligence and the law**- 2021

**The Reasonable Robot**-Ryan Abbott 2020-06-25 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.

**Artificial Intelligence and the Law**-Dennis J. Baker 2021 Emerging technologies and the criminal law / Dennis J. Baker and Paul H. Robinson -- Financial technology : opportunities and challenges to law and regulation / the Right Hon. Lord Hodge P.C. -- Between prevention and enforcement : the role of 'disruption' in confronting cybercrime / Jonathan Clough -- Preventive cybercrime and...
cybercrime by omission in China / He Ronggong and Jinglijia -- Criminal law protection of virtual property / Zhang Mingkai and Wang Wenjing -- Criminalising cybercrime facilitation by omission and its remote harm form in China / Liang Genlin and Dennis J. Baker -- Rethinking personal data protection in the criminal law of China / Lao Dongyan -- Using conspiracy and complicity for criminalising cyber-fraud in China: lessons from the common law / Li lifeng, Tianhong Zhao and Dennis J. Baker -- Sadie Creese -- AI v IP: criminal liability for intellectual property offences of artificial intelligence entities / Gabriel Hallevy -- Do not panic: artificial intelligence and criminal law 101 / Mark Dsouza.

LAW OF ARTIFICIAL INTELLIGENCE.--MATT. LAVY HERVEY (DR MATTHEW.) 2020

Robotics, AI and the Future of Law--Marcelo Corrales 2018-11-02 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.

Economics and Law of Artificial Intelligence--Georgios Zekos 2021-02-05 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.

**Semantic Processing of Legal Texts**-Enrico Francesconi 2010-05-06 Recent years have seen much new research on the interface between artificial intelligence and law, looking at issues such as automated legal reasoning. This collection of papers represents the state of the art in this fascinating and highly topical field.

**International Conference on Artificial Intelligence and Law**- 1987

**Fintech, Artificial Intelligence and the Law**-Alison Lui 2021 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 digitization 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.

**Artificial intelligence and law**-Giovanni Sartor 1993

**International Conference on Artificial Intelligence and Law ; 1**- 1987
Liability for Crimes Involving Artificial Intelligence Systems - Gabriel Hallevy 2014-11-06

The book develops a general legal theory concerning the liability for offenses involving artificial intelligence systems. The involvement of the artificial intelligence systems in these offenses may be as perpetrators, accomplices or mere instruments. The general legal theory proposed in this book is based on the current criminal law in most modern legal systems. In most modern countries, unmanned vehicles, sophisticated surgical systems, industrial computing systems, trading algorithms and other artificial intelligence systems are commonly used for both industrial and personal purposes. The question of legal liability arises when something goes wrong, e.g. the unmanned vehicle is involved in a car accident, the surgical system is involved in a surgical error or the trading algorithm is involved in fraud, etc. Who is to be held liable for these offenses: the manufacturer, the programmer, the user, or, perhaps, the artificial intelligence system itself? The concept of liability for crimes involving artificial intelligence systems has not yet been widely researched. Advanced technologies are forcing society to face new challenges, both technical and legal. The idea of liability in the specific context of artificial intelligence systems is one such challenge that should be thoroughly explored.

Essays on Law and Artificial Intelligence - Richard E. Susskind 1993

International Conference on Artificial Intelligence and Law; 3- 1991

Proceedings of the 3rd International Conference on Artificial Intelligence and Law - International Conference on Artificial Intelligence and Law 1991

International Conference on Artificial Intelligence and Law; 2- 1989

Artificial Intelligence and Law - Jon Bing 1999

Artificial intelligence and law [electronic journal] - 1992
Modelling the Legal Decision Process for Information Technology Applications in Law

Georgios Yannopoulos 1998-01-01

In this book, Georgios N. Yannopoulos appropriately relates the developing field of knowledge based systems in law with the basis in classic philosophy, explicating relations which too often are not properly understood. The decision model developed by the author is important, as it integrates and explains arguments which often have been seen as incompatible. The use of the theoretical foundation in describing and in giving a critical analysis of the construction of real knowledge bases systems becomes therefore very valuable.

Jon Bing, Norwegian Research Center for Computers and Law and

Expert systems in law have not been as easily achieved as was originally envisaged, because too many thought the task to be trivial and ignored the complex issues involved. Yannopoulos's work is valuable because he attempts to detail these issues and overcome them.

Philip Leith, Queen's University of Belfast and

Yannopoulos's book addresses some of the most crucial problems in the field of information technology and law. The development of more advanced IT solutions for the legal sector will always be closely related to our ability to model and understand the legal reasoning process. In his analysis Yannopoulos elegantly integrates knowledge from many different areas, and in this respect the book reflects an all too seldom seen broadness.

Pete Wahlgren, The Swedish Law and Informatics Research Institute (IRI) and

There has been an abundance of recent research on developing intelligent support systems. Dr Yannopoulos's work is especially significant because it examines the necessary legal background for building such systems. It will be an essential reference for the prospective builders of intelligent legal support systems.

John Zeleznikow, La Trobe University, Bundoora, Australia

Mind, Machine, and Metaphor

Alexander E. Silverman 2019-06-07

In this provocative essay, Alexander E. Silverman explores the relationship between artificial intelligence (AI) and the law from the point of view of the legal theorist. Beginning with an overview of AI technology, he provides the necessary background review of classical, connectionist, fuzzy, and interactionist approaches to AI, as well as of legal expert systems. He then applies the lessons from this research to a number of jurisprudential topics, including the concepts of indeterminacy, open texture, and essential vagueness; Kuhnian paradigm shifts and the nature of theory; and the production of new metaphors of law. He concludes with a discussion of the lessons of AI research for our understanding of human legal reasoning. Mind, Machine, and Metaphor is a rich, original, and wide-ranging view of legal theory in the context of AI research. It is essential reading for legal theorists and for legal scholars and students of AI with an interest in each other's fields.

Artificial Intelligence and Judicial Modernization

Yadong Cui 2019-09-19

This book comprehensively describes the status quo of
artificial intelligence technology applications in the judicial field in China. Written by Cui Yadong, the former President of Shanghai Senior People's Court, it is divided into three parts: the first part focuses mainly on the theoretical issues related to artificial intelligence and judicial applications. The second part highlights practical aspects, discussing the research and development process, the implementation of the "206 system" and the major breakthroughs. The third part then addresses lessons learned and the thinking, particularly the thinking on "building the future rule of law of artificial intelligence", a new topic that responds to people's concerns about the risks and challenges of the development of artificial intelligence. In this context, the book argues that the judicial task is twofold: On the one hand, it should actively promote the integration and application of AI in the judiciary, judicial intelligence, and judicial modernization. On the other hand, it should encourage the construction of a future rule of law system of artificial intelligence, highlight the role of the judiciary in dealing with future risks and challenges, bring the development of artificial intelligence into line with the rule of law, and use the rule of law to promote, standardize and guarantee the safe, reliable and controllable development of artificial intelligence.

**Argument in Artificial Intelligence and Law**- Trevor J. M. Bench-Capon 1997

**The Law of Artificial Intelligence and Smart Machines**- Ted Claypoole 2019 "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."--

**Regulating Artificial Intelligence**- Thomas Wischmeyer 2019-11-29 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.

Artificial Intelligence and Law- 1991

Artificial Intelligence- 2020

Eleventh International Conference on Artificial Intelligence and Law- 2007

Compelling Essays On AI And Law-Lance Eliot 2021-03-18 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 ecosystem, machine readability of judicial decisions, when AI is evidentiary, agile AI, law as code, lawyers as coders, echo chambers, and much more.

Is Law Computable?-Simon Deakin 2022-05-26 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.

**ICAIL 2005**-Paul E. Dunne 2005

**Argumentation Methods for Artificial Intelligence in Law**-Douglas Walton 2005-12-05 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.

**Of Artificial Intelligence and Legal Reasoning**-Cass R. Sunstein 2001
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