

1. Record Nr.	UNINA9910450448703321
Autore	Susskind Leonard
Titolo	An Introduction to Black Holes, Information and the String Theory Revolution [[electronic resource]] : The Holographic Universe
Pubbl/distr/stampa	Singapore, : World Scientific Publishing Company, 2004
ISBN	1-281-87673-9 9786611876739 981-256-309-1
Descrizione fisica	1 online resource (196 p.)
Altri autori (Persone)	LindesayJames
Disciplina	523.8875
Soggetti	Black holes (Astronomy) Holography String models Astronomy & Astrophysics Physical Sciences & Mathematics Astrophysics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 179) and index.
Nota di contenuto	Preface; Contents; The Schwarzschild Black Hole; Scalar Wave Equation in a Schwarzschild Background; Quantum Fields in Rindler Space; Entropy of the Free Quantum Field in Rindler Space; Thermodynamics of Black Holes; Charged Black Holes; The Stretched Horizon; The Laws of Nature; The Puzzle of Information Conservation in Black Hole Environments; Horizons and the UV/IR Connection; Entropy Bounds; The Holographic Principle and Anti de Sitter Space; Black Holes in a Box; Strings; Entropy of Strings and Black Holes; Conclusions; Bibliography; Index
Sommario/riassunto	Over the last decade the physics of black holes has been revolutionized by developments that grew out of Jacob Bekenstein's realization that black holes have entropy. Steven Hawking raised profound issues concerning the loss of information in black hole evaporation and the consistency of quantum mechanics in a world with gravity.

2. Record Nr.	UNINA9910585954203321
Autore	Micklitz Hans-W
Titolo	Constitutional challenges in the algorithmic society // edited by Hans Wolfgang Micklitz, Oreste Pollicino, Amnon Reichman, Andrea Simoncini, Giovanni Sartor, Giovanni De Gregorio [[electronic resource]]
Pubbl/distr/stampa	Cambridge University Press, 2021 Cambridge : , : Cambridge University Press, , 2022
ISBN	1-108-90692-3 1-108-91079-3 1-108-91485-3
Descrizione fisica	1 online resource (x, 330 pages) : digital, PDF file(s)
Collana	Social Sciences
Disciplina	342
Soggetti	Constitutional law - Decision making Algorithms - Social aspects Judicial process Legislation Artificial intelligence - Law and legislation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 01 Nov 2021).
Nota di contenuto	Oreste Pollicino and Giovanni De Gregorio, Constitutional law in the algorithmic society -- Andrea Simoncini and Erik Longo, Fundamental rights and the rule of law in the algorithmic society by law? -- Celine Castest-Renard, Human rights and algorithmic impact assessment for predictive policing -- Francesca Galli, Law enforcement and data-driven predictions at the national and EU level : a challenge to the presumption of innocence and reasonable suspicion? -- Amnon Reichman and Giovanni Sartor, Algorithms and regulation -- Angela Daly, Thilo Hagendorff, Li Hui, Monique Mann, Vidushi Marda, Ben Wagner, Wayne Wei Wang, Artificial Intelligence, governance and ethics : global perspectives -- Pieter Vancleynenbreugel, EU by-design regulation in the algorithmic society : promising way forward or constitutional nightmare in-the-making? -- Henrik Palmer Olsen, Jacob Livingston Slosser and Thomas Troels Hildebrandt, What's in the box? The legal requirement of explainability in computationally, eided

decision-making in public administration -- Yaiza Cabedo, The international regulatory race for protecting investors from crypto-finance risks -- Hans W. Micklitz and Anne Aurelie Villanueva, Responsibilities of companies in the algorithmic society -- Serge Gijrath, Consumer law as a tool to regulate adverse consequences of AI output -- Federica Casarosa, When the algorithm is not fully reliable : the collaboration between technology and humans in the fight against hate speech -- Pietro Sirena and Francesco Paolo Patti, Smart contracts and automation of private relationships.

Sommario/riassunto

New technologies have always challenged the social, economic, legal, and ideological status quo. Constitutional law is no less impacted by such technologically driven transformations, as the state must formulate a legal response to new technologies and their market applications, as well as the state's own use of new technology. In particular, the development of data collection, data mining, and algorithmic analysis by public and private actors present unique challenges to public law at the doctrinal as well as the theoretical level. This collection, aimed at legal scholars and practitioners, describes the constitutional challenges created by the algorithmic society. It offers an important synthesis of the state of play in law and technology studies, addressing the challenges for fundamental rights and democracy, the role of policy and regulation, and the responsibilities of private actors. This title is also available as Open Access on Cambridge Core.
