1. Record Nr. UNINA9910433249103321

Autore	Gellers Joshua C.
Titolo	Rights for robots : artificial intelligence, animal, and environmental law / / Joshua C. Gellers
Pubbl/distr/stampa	Routledge, 2020 Abingdon, Oxford ; ; New York : , : Taylor & Francis : , : imprint : Routledge, , 2021 ©2021
ISBN	9780429288159 0429288158 9781000264579 1000264572 9781000264593 1000264599 9781000264586 1000264580 9780367211745 0367211742
Edizione	[1 ed.]
Descrizione fisica	1 online resource (xi, 177 pages) : illustrations; digital file(s)
Disciplina	343.0999
Soggetti	Robotics - Law and legislation Artificial intelligence - Law and legislation Animal rights Environmental law
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Rights for robots : making sense of the machine question -- Getting to rights : personhoods, statuses, and incidents -- The rights of animals : in search of humanity -- The rights of nature : ethics, law, and the anthropocene -- Rights for robots in a posthuman ecology.
Sommario/riassunto	"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" -- publisher.

2. Record Nr. UNINA9910830838303321

Autore	Demoly Frederic
Titolo	4d printing 2 / / Frederic Demoly, Jean-Claude Andre
Pubbl/distr/stampa	Hoboken, New Jersey : , : ISTE Ltd / John Wiley & Sons Inc, , [2022] ©2022
ISBN	1-394-17152-8 1-394-17150-1
Descrizione fisica	1 online resource (321 pages)
Collana	Systems and industrial engineering series
Disciplina	929.374
Soggetti	Additive manufacturing Three-dimensional printing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Who hasn't dreamed of seeing matter transformed in a way that suits you? This is the goal of 4D printing, using materials that can change in terms of shape and property under the effect of energy stimulation. From the description of the actions and actuators, the authors show the weaknesses that limit the industrialization of 4D printing processes; these are the modes of energy stimulation. To prepare for the future, two chapters are introduced: "Material-Process Duality in Industrial 4D Printing" and "How to Approach 4D Printing in Design". If the capture and reuse of 4D printing knowledge is necessary for this objective, the conclusion leaves the existing myth around the 4D printing theme and proposes a "draft" roadmap that should be the subject of reflection and scientific debate on a concept that is still immature, but full of promise.