1.	Record Nr.	UNINA9910886097203321
	Autore	Kempt Hendrik
	Titolo	(Un)explainable Technology / / by Hendrik Kempt
	Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Palgrave Macmillan, , 2024
	ISBN	9783031680984
		3031680987
	Edizione	[1st ed. 2024.]
	Descrizione fisica	1 online resource (137 pages)
	Disciplina	601
	Soggetti	Science - Social aspects
		Communication in science
		Rhetoric
		Technology
		Science
		Science - Philosophy
		Science - Moral and ethical aspects
		Artificial intelligence
		Science and Technology Studies
		Rhetoric of Science and Technology
		Philosophy of Science
		Science Ethics
		Artificial Intelligence
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Chapter 1: Introduction -- Chapter 2: Conceptual Clarification -- Chapter 3: Epistemological Conditions -- Chapter 4: The Ethics of Explainability -- Chapter 5: Applied Cases -- Chapter 6: Explainability Debunked? -- Chapter 7: Conclusions.
	Sommario/riassunto	This book explores the issue of (un)explainable technology. As we face technologies, mostly autonomous, machine-learned algorithms (AI) that elude a seamless explanation on how they work ("black boxes"), several issues both from an epistemological as well as ethical perspectives emerge. It is thus not surprising that there are plenty of

technological attempts in illuminating the black box as well as philosophical efforts in conceptualizing and re- assessing our concepts of an explanation and understanding, as well emerging ethical questions on how to deal with this unexplainable technology. This book thus offers a succinct and comprehensive, opinionated but fair view on the emerging ethical debate on explainability of AI and its relevance for using AI for different more or less sensitive decision-making procedures. As a short book, the goal is to introduce the reader to the issues at hand while also offering normative arguments from different sides that motivate, complicate, and resolve these issues. Hendrik Kempt is a Postdoctoral Researcher at the Applied Ethics Group, RWTH Aachen University, where he received his PhD in 2023. His work focuses mainly on questions of the ethics of human-machine interaction, of artificial intelligence and other emerging technologies, and of technology in general. He has previously published the monographs "Chatbots and the Domestication of AI" (2020) as well as "Synthetic Friends - A Philosophy of Human-Machine Friendship" (2022), edited a book with Megan Volpert on "RuPaul's Drag Race and Philosophy", and has written several journal articles and book chapters on the issues of ethics of technology.