1.	Record Nr.	UNISA996216674003316
	Titolo	Science & education
	Pubbl/distr/stampa	[Dordrecht], : Kluwer Academic Publishers
		[Dordrecht], : Springer Netherlands
	ISSN	1573-1901
	Descrizione fisica	1 online resource (volumes)
	Disciplina	507.1
	Soggetti	Science - Study and teaching
		Mathematics - Study and teaching
		Science - History - Study and teaching
		Science - Philosophy - Study and teaching
		Science - Social aspects - Study and teaching
		Sciences - Étude et enseignement - Périodiques
		Mathématiques - Étude et enseignement - Périodiques
		Sciences - Histoire - Étude et enseignement - Périodiques
		Sciences - Philosophie - Étude et enseignement - Périodiques
		Sciences - Aspect social - Étude et enseignement - Périodiques
		History
		Periodicals.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Periodico
	Note generali	Refereed/Peer-reviewed
		"Contributions from history, philosophy, and sociology of science and mathematics."

2.	Record Nr.	UNINA9910299663203321
	Titolo	Machine Medical Ethics / / edited by Simon Peter van Rysewyk, Matthijs Pontier
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
	ISBN	9783319081083 331908108X
	Edizione	[1st ed. 2015.]
	Descrizione fisica	1 online resource (371 p.)
	Collana	Intelligent Systems, Control and Automation: Science and Engineering, , 2213-8986 ; ; 74
	Disciplina	006.3 170 612.8 616.89
	Soggetti	Robotics Automation Ethics Artificial intelligence Clinical health psychology Neurosciences Robotics and Automation Artificial Intelligence Health Psychology
	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.
	Nota di contenuto	Preface -- Part I Theoretical Foundations of Machine Medical Ethics -- An Overview of Machine Medical Ethics -- Surgical, Therapeutic, Nursing and Sex Robots in Machine and Information Ethics -- Good Healthcare Is in the "How": The Quality of Care, the Role of Machines, and the Need for New Skills -- Implementation Fundamentals for Ethical Medical Agents -- Towards a Principle-Based Healthcare Agent -- Do Machines Have Prima Facie Duties? -- A Hybrid Bottom-Up and Top-Down Approach to Machine Medical Ethics: Theory and Data --

Moral Ecology Approaches to Machine Ethics -- Part II Contemporary Challenges in Machine Medical Ethics: Justice, Rights and the Law -- Opportunity Costs: Scarcity and Complex Medical Machines -- The Rights of Machines: Caring for Robotic Care-Givers -- Machine Medical Ethics and Robot Law: Legal Necessity or Science Fiction? -- Part III Contemporary Challenges in Machine Medical Ethics: Decision-Making, Responsibility and Care -- Having the Final Say: Machine Support of Ethical Decisions of Doctors -- Ethics of Robotic Assisted Dying -- Automating Medicine the Ethical Way -- Machine Medical Ethics: When a Human Is Delusive but the Machine Has Its Wits About Him -- Part IV Contemporary Challenges in Machine Medical Ethics: Medical Machine Technologies and Models -- ELIZA Fifty Years Later: An Automatic Therapist Using Bottom–Up and Top-Down Approaches -- Models of the Patient–Machine–Clinician Relationship in Closed-Loop Machine Neuromodulation -- Modelling Consciousness-Dependent Expertise in Machine Medical Moral Agents -- Emotion and Disposition Detection in Medical Machines: Chances and Challenges -- Ethical and Technical Aspects of Emotions to Create Empathy in Medical Machines -- Epilogue.

| Sommario/riassunto | The essays in this book, written by researchers from both humanities and sciences, describe various theoretical and experimental approaches to adding medical ethics to a machine in medical settings. Medical machines are in close proximity with human beings, and getting closer: with patients who are in vulnerable states of health, who have disabilities of various kinds, with the very young or very old, and with medical professionals. In such contexts, machines are undertaking important medical tasks that require emotional sensitivity, knowledge of medical codes, human dignity, and privacy. As machine technology advances, ethical concerns become more urgent: should medical machines be programmed to follow a code of medical ethics? What theory or theories should constrain medical machine conduct? What design features are required? Should machines share responsibility with humans for the ethical consequences of medical actions? How ought clinical relationships involving machines to be modeled? Is a capacity for empathy and emotion detection necessary? What about consciousness? This collection is the first book to address these 21st-century concerns. |