Contents

	of figures	viii
	of tables	1X
	of contributors	x xviii
	word	XVIII
Curu Prefe	is E.A. Karnow	xxiv
	nowledgements	xxviii
AUNI	iomeagements	7171 1111
PAR	T I INTRODUCTION TO LAW AND ARTIFICIAL INTELLIGENCE	
1.	Towards a law of artificial intelligence Woodrow Barfield	2
2.	Accelerating AI John O. McGinnis	40
3.	Finding the right balance in artificial intelligence and law <i>L. Thorne McCarty</i>	55
4.	Learning algorithms and discrimination Nizan Geslevich Packin and Yafit Lev-Aretz	88
5.	The principal Japanese AI and robot strategy toward establishing basic principles Fumio Shimpo	114
PAR	T II REGULATION OF ARTIFICIAL INTELLIGENCE	
6.	Artificial intelligence and private law Shawn Bayern	144
7.	Regulation of artificial intelligence in the United States John Frank Weaver	155
8.	Legal personhood in the age of artificially intelligent robots Robert van den Hoven van Genderen	213
9.	Autonomous driving: regulatory challenges raised by artificial decision-making and tragic choices Antie von Ungern-Sternberg	251

PART III FUNDAMENTAL RIGHTS AND CONSTITUTIONAL LAW ISSUES

10.	Artificial intelligence and privacy—AI enters the house through the Cloud Ronald Leenes and Silvia De Conca	280
11.	Future privacy: A real right to privacy for artificial intelligence S.J. Blodgett-Ford	307
12.	Artificial intelligence and the First Amendment Toni M. Massaro and Helen Norton	353
13.	Data algorithms and privacy in surveillance: on stages, numbers and the human factor <i>Arno R. Lodder and Ronald P. Loui</i>	375
14.	The impact of AI on criminal law, and its twofold procedures <i>Ugo Pagallo and Serena Quattrocolo</i>	385
PAR	T IV INTELLECTUAL PROPERTY	
15.	The law of intellectual property created by artificial intelligence Jeremy A. Cubert and Richard G.A. Bone	411
16.	Kinematically abstract claims in surgical robotics patents Andrew Chin	428
17.	Artificial intelligence and the patent system: can a new tool render a once patentable idea obvious? William Samore	471
18.	Thinking machines and patent law Liza Vertinsky	489
19.	Artificial intelligence and the creative industry: new challenges for the EU paradigm for art and technology by autonomous creation <i>Madeleine de Cock Buning</i>	511
PAR	T V APPLICATIONS OF ARTIFICIAL INTELLIGENCE	
20.	Free movement of algorithms: artificially intelligent persons conquer the European Union's internal market <i>Thomas Burri</i>	537
21.	The artificially intelligent Internet of Things and Article 2 of the Uniform Commercial Code Stacy-Ann Elvy	560
22.	Artificial intelligence and robotics, the workplace, and workplace-related law <i>Isabelle Wildhaber</i>	577

		Contents	vii
23.	Robot Law 1.0: on social system design for artificial intelligence <i>Yueh-Hsuan Weng</i>		609
24.	Antitrust, algorithmic pricing and tacit collusion Maurice E. Stucke and Ariel Ezrachi		624
25.	Robots in the boardroom: artificial intelligence and corporate law Florian Möslein		649
Inde.	x		671