Contents

Prej	face	xii
Acknowledgements		xvii
List	t of most common acronyms	XX
List	t of figures	xxi
List	t of tables	xxii
Cha	apter 1—Ethics after the information revolution	1
	Summary	1
1.1	Introduction: the hyperhistorical predicament	3
1.2	The zettabyte era	5
1.3	ICTs as re-ontologizing technologies	6
1.4	The global infosphere, or how information is becoming our ecosystem	8
1.5	The metaphysics of the infosphere	10
1.6	The information turn as the fourth revolution	13
1.7	The evolution of inforgs	14
	Conclusion	17
Cha	apter 2—What is information ethics?	19
	Summary	19
2.1	Introduction: a unified model of information ethics	20
2.2	First stage: IE as an ethics of informational resources	21
2.3	Second stage: IE as an ethics of informational products	23
2.4	Third stage: IE as an ethics of the informational environment	24
2.5	Fourth stage: IE as a macroethics	25
	Conclusion	28
Cha	apter 3—The method of abstraction	29
	Summary	29
3.1	Introduction: on the very idea of levels of abstraction	30
3.2	The definition of a level of abstraction	31
3.3	Abstraction and ontological commitment	34
3.4	An application of the method of abstraction: telepresence	36
	3.4.1 Presence as epistemic failure	37
	3.4.2 Presence as successful observation	41
	3.4.3 Virtual pornography	44
	3.4.4 An objection against presence as successful observation	46

Floridi, Luciano Ethics of information 2013 digitalisiert durch: IDS Basel Bern

vi CONTENTS

	3.4.5 Informational privacy: from intrusion to abduction	49
	3.4.6 The method of abstraction and telepresence	51
	Conclusion	51
Cha	pter 4—Information ethics as e-nvironmental ethics	53
	Summary	53
4.1	Introduction: the foundationalist problem	54
	Classic macroethics and ICTs ethical problems	58
4.3	An informational model of macroethics	61
4.4	From computer ethics to information ethics	63
4.5	Information ethics as a patient-oriented and ontocentric theory	65
	4.5.1 Uniformity of Being	65
	4.5.2 Uniformity of nothingness, non-Being, or metaphysical entropy	65
	4.5.3 Uniformity of change	67
	4.5.4 The ontological equality principle	68
4.6	The normative aspect of information ethics: four ethical principles	70
	4.6.1 The non-monotonic nature of goodness and its resilience	72
4.7	Information ethics as a macroethics	74
	4.7.1 IE is a complete macroethics	74
	4.7.2 IE and other non-standard ethics	76
	4.7.3 IE and virtue ethics	77
	4.7.4 IE and deontologism	77
	4.7.5 IE and consequentialism	77
4.8	Case analysis: three examples	79
	4.8.1 Vandalism	80
	4.8.2 Bioengineering	82
	4.8.3 Death	82
	Conclusion	84
Ch	apter 5—Information ethics and the foundationalist debate	86
	Summary	86
5.1	Introduction: looking for the foundations of computer ethics	87
	The 'no resolution approach': CE as not a real discipline	88
	The professional approach: CE as a pedagogical methodology	90
	Theoretical CE and the uniqueness debate	92
	The radical approach: CE as a unique discipline	93
	The conservative approach: CE as applied ethics	94
	The innovative approach: information ethics as the foundation of CE	97
	Conclusion	99

Ch	apter 6—The intrinsic value of the infosphere	102
	Summary	102
6.1	Introduction: an object-oriented model of moral action	103
	The role of information in ethics	109
6.3	An axiological analysis of information	112
	6.3.1 A critique of Kantian axiology	114
	6.3.2 A patient-oriented approach to axiology	115
	6.3.3 IE's axiological ecumenism	122
6.4	Five objections	124
	6.4.1 The need for an ontology	124
	6.4.2 How can an informational entity have 'a good of its own'?	125
	6.4.3 What happened to Evil?	128
	6.4.4 Is there a communication problem?	130
	6.4.5 Right but irrelevant?	132
	Conclusion	133
Cha	apter 7—The morality of artificial agents	134
	Summary	134
7.1	Introduction: standard vs. non-standard theories of agents and patients	135
	What is an agent?	138
	7.2.1 An effective characterization of agents	140
	7.2.2 Examples	141
7.3	What is a moral agent?	146
	Mindless morality	148
	7.4.1 The teleological objection	148
	7.4.2 The intentional objection	149
	7.4.3 The freedom objection	149
	7.4.4 The responsibility objection	150
7.5	The morality threshold	152
	A concrete application	153
	7.6.1 Codes of ethics	155
	7.6.2 Censorship	156
7.7	The advantage of extending the class of moral agents	157
	Conclusion	159
Cha	apter 8—The constructionist values of homo poieticus	161
	Summary	161
8.1	Introduction: reactive and proactive macroethics	162
	The scope and limits of virtue ethics as a constructionist ethics	164
	Why information ethics cannot be based on virtue ethics	166
	Francieris	168

viii CONTENTS

8.5 Poiesis in the infosphere	169
8.5.1 Interfaces	169
8.5.2 Open source	170
8.5.3 Digital arts	172
8.5.4 The construction of the self	173
8.5.5 Virtual communities	174
8.5.6 Constructionism on the web	175
8.6 Homo poieticus	175
Conclusion	177
Chapter 9—Artificial evil	180
Summary	180
9.1 Introduction: the nature of evil	180
9.2 Nonsubstantialism: a deflatory interpretation of the existence of evil	183
9.3 The evolution of evil and the theodicean problem	185
9.4 Artificial evil	187
Conclusion	191
Chapter 10—The tragedy of the Good Will	194
Summary	194
10.1 Introduction: modelling a Good Will	194
10.2 The tragic and the scandalous	197
10.3 The IT-heodicean problem	200
10.4 Cassandra's predicament	201
10.5 Escaping the tragic condition	204
10.5.1 The Copenhagen Consensus: using information to cope	
with information	206
Conclusion	208
Chapter 11—The informational nature of selves	210
Summary	210
11.1 Introduction: Plato and the problem of the chariot	211
11.2 Egology and its two branches	213
11.3 Egology as synchronic individualization	215
11.4 A reconciling hypothesis: the three membranes model	217
11.4.1 Phase one: the corporeal membrane and the organism	219
11.4.2 Phase two: the cognitive membrane and the intelligent animal	220
11.4.3 Phase three: the consciousness membrane and the	
self-conscious mind	220

11.5	ICTs as technologies of the self	221
	11.5.1 Embodiment: from dualism to polarism	221
	11.5.2 Space: the detachment between location and presence	222
	11.5.3 Time: the detachment between outdating and ageing	222
	11.5.4 Memories and interactions: fixing the self	223
	11.5.5 Perception: the digital gaze	223
11.6	The logic of realization	225
	From the egology to the ecology of the self	226
	Conclusion	227
Chap	pter 12—The ontological interpretation of informational privacy	228
	Summary	228
12.1	Introduction: the dearest of our possessions	229
	Informational privacy and computer ethics	229
	Informational privacy as a function of ontological friction	231
12.4	Ontological friction and the difference between old and new ICTs	232
12.5	Informational privacy in the re-ontologized infosphere	235
	12.5.1 Empowering the information agent	236
	12.5.2 The return of the (digital) community	236
	12.5.3 Assessing theories of privacy	240
	12.5.4 The ontological interpretation of informational privacy	
	and its value	242
12.6	Informational privacy, personal identity, and biometrics	246
12.7	Four challenges for a theory of informational privacy	249
	12.7.1 Non-Western approaches to informational privacy	249
	12.7.2 Individualism and the anthropology of informational privacy	251
	12.7.3 The scope and limits of informational privacy	253
	12.7.4 Public, passive, and active informational privacy	256
12.8	Non-informational privacies	257
	Conclusion	258
Chap	oter 13—Distributed morality	261
	Summary	261
13.1	Introduction: the basic idea of distributed morality	262
13.2	The old ethical scenario without distributed morality	263
13.3	The new ethical scenario with distributed morality	265
13.4	Some examples of distributed morality	267
	13.4.1 The shopping Samaritan: (RED)	268
	13.4.2 Plastic fidelity: the Co-operative Bank	268
	13.4.3 The power of giving: JustGiving	268
	13.4.4 Socially oriented capitalism: peer-to-peer lending	269

X CONTENTS

13.5	The big challenge: harnessing the power of DM	269
13.6	Distributed morality and the enabling infraethics	272
	Conclusion	274
Chap	ter 14—Information business ethics	277
	Summary	277
14.1	Introduction: from information ethics to business ethics	279
14.2	The informational analysis of business	280
14.3	The WHI ethical questions: what, how, and impact	284
14.4	Normative pressure points	285
14.5	The ethical business	287
	Conclusion	29 0
Chap	oter 15—Global information ethics	292
	Summary	292
15.1	Introduction: from globalization to information ethics	293
	15.1.1 Contraction	293
	15.1.2 Expansion	294
	15.1.3 Porosity	294
	15.1.4 Telepresence	295
	15.1.5 Synchronization	295
	15.1.6 Correlation	295
15.2	Globalizing ethics	296
15.3	Global-communication ethics vs. global-information ethics	296
15.4	Global-information ethics and the problem of the lion	297
15.5	Global information-ethics and its advantages	299
15.6	The cost of a global-information ethics: postulating the ontic trust	300
	Conclusion	303
Chap	pter 16—In defence of information ethics	306
	Summary	306
16.1	Introduction: addressing the sceptic	306
16.2	IE is an ethics of news	307
16.3	IE is too reductivist	308
16.4	IE fails to indicate what information constitutes an individual	309
16.5	IE's de-anthropocentrization of the ethical discourse is mistaken	312
16.6	IE is inapplicable	313
16.7	IE is supererogatory	314
16.8	IE is hypermoralistic	316
16.9	IE's measure of intrinsic moral value is insufficiently clear and specific	317

16.10	IE's inference from moral value to moral respect is incorrect	317
16.11	IE's negative argument for the intrinsic moral goodness of	
	Being is incorrect	319
16.12	IE's claim to be universal is unclear and possibly contradictory	320
16.13	IE's egalitarianism is untenable	322
16.14	IE commits the naturalistic fallacy	323
16.15	IE's account of intrinsic value is incorrect	324
16.16	IE is counterintuitive	325
16.17	IE's adoption of LoA is mistaken	326
16.18	IE's interpretation of artificial agents as autonomous moral	
	agents is mistaken	327
16.19	IE is too conservationist	327
16.20	IE is pantheistic or panpsychistic	328
	Conclusion	329
Epilog	gue	331
Referei	rues	334
Index		353