

# CONTENTS

<i>Acknowledgments</i>	<i>xiii</i>
<i>Preface</i>	<i>xvii</i>
Introduction	1
<i>The Turing test and after</i>	5
<i>From self-driving cars to space robots: disruptive technology     and the digital universe</i>	10
<i>The arguments of this book</i>	15
1 The digital universe	23
<i>Complex digital systems</i>	26
<i>Digital life: theoretical perspectives</i>	40
2 The rise of robotics	52
<i>Technology and automation</i>	54
<i>The fourth industrial revolution: the sceptics and     their critics</i>	55
<i>Globalization and offshoring</i>	66
<i>Robotics and jobs: where we stand</i>	73
3 Digital life and the self	78
<i>The self as information system</i>	80
<i>Turkle: narcissism and the new solitude</i>	84
<i>Critical remarks</i>	86
<i>Containment, storage and digital keys</i>	94

4	Digital technologies and social interaction	106
	<i>The institutional organization of social interaction: face-to-face and digitally mediated action frameworks</i>	107
	<i>Bots, talk and co-presence</i>	118
	<i>Dimensions of the digital revolution: portals, desynchronization, instantaneity</i>	126
	<i>Digital noise: silence is golden?</i>	130
5	Modern societies, mobility and artificial intelligence	133
	<i>Automated automobility: the Google car</i>	135
	<i>New wars, drones and killer robots</i>	141
6	AI and social futures	156
	<i>Robot intimacy</i>	160
	<i>Healthcare after AI</i>	170
	<i>Democracy beyond AI</i>	180
	<i>AI futures and public policy</i>	195
	Notes	202
	Index	238