

## Human–Robot Interaction

The role of robots in society keeps expanding and diversifying, bringing with it a host of issues surrounding the relationship between robots and humans. This introduction to human–robot interaction (HRI) by leading researchers in this developing field is the first to provide a broad overview of the multidisciplinary topics central to modern HRI research. Written for students and researchers from robotics, artificial intelligence, psychology, sociology, and design, it presents the basics of how robots work, how to design them, and how to evaluate their performance. Self-contained chapters discuss a wide range of topics, including speech and language, nonverbal communication, and processing emotions, plus an array of applications and the ethical issues surrounding them.

This revised and expanded second edition includes a new chapter on how people perceive robots; coverage of recent developments in robotic hardware, software, and artificial intelligence; and exercises for readers to test their knowledge.

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## An Introduction

Second Edition

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Contents

<b>1</b>	<b>Introduction</b>	<i>page</i> 1
1.1	About this book	1
1.2	Christoph Bartneck	2
1.3	Tony Belpaeme	3
1.4	Friederike Eyssel	3
1.5	Takayuki Kanda	4
1.6	Merel Keijsers	4
1.7	Selma Šabanović	4
1.8	Notes on second edition	5
<b>2</b>	<b>What Is Human–Robot Interaction?</b>	6
2.1	The focus of this book	9
2.2	HRI as an interdisciplinary endeavor	9
2.3	The evolution of social robots and HRI	12
2.4	Exercises	19
<b>3</b>	<b>How a Robot Works</b>	21
3.1	The making of a robot	22
3.2	Robot types	23
3.3	System architecture	25
3.4	Sensors	27
3.5	Actuators	32
3.6	Middleware	35
3.7	Applications	37
3.8	Artificial intelligence and machine learning	42
3.9	Limitations of robotics for HRI	50
3.10	Conclusion	53
3.11	Exercises	54
<b>4</b>	<b>Design</b>	57
4.1	Design in HRI	59
4.2	Anthropomorphization in HRI design	64

vi		<i>Contents</i>
4.3	Design methods	70
4.4	Prototyping tools	74
4.5	Culture in HRI design	76
4.6	From machines to people—and the in between	77
4.7	Conclusion	79
4.8	Exercises	80
<b>5</b>	<b>Spatial Interaction</b>	82
5.1	Use of space in human interaction	83
5.2	Spatial interaction for robots	86
5.3	Conclusion	92
5.4	Exercises	93
<b>6</b>	<b>Nonverbal Interaction</b>	95
6.1	Functions of nonverbal cues in interaction	96
6.2	Types of nonverbal interaction	98
6.3	Nonverbal interaction in robots	106
6.4	Conclusion	109
6.5	Exercises	110
<b>7</b>	<b>Verbal Interaction</b>	112
7.1	Human–human verbal interaction	113
7.2	Speech recognition	115
7.3	Interacting using language	119
7.4	Turn-taking in HRI	128
7.5	Speech production	129
7.6	Conclusion	131
7.7	Exercises	131
<b>8</b>	<b>How People Perceive Robots</b>	134
8.1	Impression formation	135
8.2	Anthropomorphism	136
8.3	Measuring anthropomorphization	139
8.4	Consequences of anthropomorphism	142
8.5	Conclusion	145
8.6	Exercises	146
<b>9</b>	<b>Emotion</b>	148
9.1	What are emotions, mood, and affect?	148
9.2	When emotions go wrong	151
9.3	Emotions for robots	152
9.4	Challenges in affective HRI	156
9.5	Conclusion	158
9.6	Exercises	159

<i>Contents</i>	vii
<b>10 Research Methods</b>	161
10.1 Defining a research question and approach	163
10.2 Choosing among qualitative, quantitative, and mixed methods	166
10.3 Selecting research participants and study designs	176
10.4 Defining the context of interaction	178
10.5 Choosing a robot for your study	181
10.6 Setting up the mode of interaction	182
10.7 Selecting appropriate HRI measures	184
10.8 Standards for statistical analysis	185
10.9 Ethical considerations in HRI studies	191
10.10 Conclusion	192
10.11 Exercises	194
<b>11 Applications</b>	198
11.1 Customer-facing robots	200
11.2 Robots for learning	202
11.3 Robots for entertainment	204
11.4 Robots in healthcare and therapy	206
11.5 Robots as personal assistants	210
11.6 Service robots	211
11.7 Security robots	213
11.8 Collaborative robots	214
11.9 Self-driving cars	214
11.10 Remotely operated robots	218
11.11 Future applications	221
11.12 Problems for robot application	222
11.13 Conclusion	226
11.14 Exercises	226
<b>12 Robots in Society</b>	229
12.1 Robots in popular media	230
12.2 Ethics in HRI	236
12.3 Conclusion	246
12.4 Exercises	247
<b>13 The Future</b>	250
13.1 The nature of human–robot relationships	252
13.2 The technology of HRI	254
13.3 Crystal ball problems	255
13.4 Exercises	257
<i>Appendix: Answers</i>	259
<i>References</i>	263
<i>Index</i>	310