

Contents

Preface	xi
Acknowledgments	xv
Sources	xvii
1 The Vision of Sociable Robots	1
2 Robot in Society: A Question of Interface	15
3 Insights from Developmental Psychology	27
4 Designing Sociable Robots	39
5 The Physical Robot	51
6 The Vision System	61
7 The Auditory System	81
8 The Motivation System	105
9 The Behavior System	127
10 Facial Animation and Expression	157
11 Expressive Vocalization System	185
12 Social Constraints on Animate Vision	211
13 Grand Challenges of Building Sociable Robots	229
References	243
Index	253