## Contents

Se	ries Foreword 1X
Pı	eface and Acknowledgments xi
1 A	Focus on Infrastructure 1
100	Part of the state
2 P1	imate Intentional Communication 13
2.	Vocal Displays 15
	2 Gestural Signals 20
	3 Communication with Humans 34
2.	Intentionality in Ape Communication 43
	Conclusion 53
3 H	uman Cooperative Communication 57
	Pointing and Pantomiming 60
	2 The Cooperation Model 72
	3 Communicative Conventions 99
	4 Conclusion 107
4 0	ntogenetic Origins 109
	1 Infant Pointing 111
	2 Sources of Infant Pointing 135
	3 Early Pantomiming 145

viii Contents

	<ul><li>4.4 Shared Intentionality and Early Language</li><li>4.5 Conclusion</li><li>165</li></ul>
5	Phylogenetic Origins 169
	5.1 The Emergence of Collaboration 172
	5.2 The Emergence of Cooperative
	Communication 191
	5.3 The Emergence of Conventional
	Communication 218
	5.4 Conclusion 237
_	
6	The Grammatical Dimension 243
	6.1 The Grammar of Requesting 246
	6.2 The Grammar of Informing 270
	6.3 The Grammar of Sharing and Narrative 282
	6.4 The Conventionalization of Linguistic
	Constructions 295
	6.5 Conclusion 316
_	Francisco Continuos to Harmon Language 210
/	From Ape Gestures to Human Language 319
	7.1 Summary of the Argument 320
	7.2 Hypotheses and Problems 327 7.3 Language as Shared Intentionality 342
	7.3 Language as Shared Intentionality 342
	References 347
	Author Index 373
	Subject Index 379