Contents

Preface	1	page vii
Symposi	um participants	x
	Part I. Challenging problems	
1	Critical challenges for natural language processing Madeleine Bates, Robert J. Bobrow, and Ralph M. Weischedel	3
	Part II. Building a lexicon	
2	The contribution of lexicography B. T. Sue Atkins	37
3	The contribution of linguistics BETH LEVIN	76
4	The contribution of computational lexicography Branimir K. Boguraev	99
	Part III. Semantics and knowledge representation	
5	Events, situations, and adverbs ROBERT C. MOORE	135
6	Natural language, knowledge representation, and logical form \ensuremath{JAMES} F. Allen	146
	Part IV. Discourse	
7	Getting and keeping the center of attention REBECCA J. PASSONNEAU	179
8	Surface structure, intonation, and discourse meaning MARK STEEDMAN	228
	Part V. Spoken language systems	
9	Prosody, intonation, and speech technology JANET PIERREHUMBERT	257

vi Contents

Part VI. Conclusion

10	The future of computational linguistics MADELEINE BATES and RALPH M. WEISCHEDEL	283
Author	index	289
Subject index		292