

## **Preface**

*Steven L. Small, Garrison W. Cottrell, and Michael K. Tanenhaus . . . . . 3*

## **PART I: COMPUTER MODELS**

|   |                                                                                                                                     |     |
|---|-------------------------------------------------------------------------------------------------------------------------------------|-----|
| 1 | Word Expert Parsing Revisited in a Cognitive Science Perspective,<br><i>Geert Adriaens and Steven L. Small . . . . .</i>            | 13  |
| 2 | Lexical Ambiguity Resolution in a Deterministic Parser,<br><i>Robert Milne . . . . .</i>                                            | 45  |
| 3 | Resolving Lexical Ambiguity Computationally with Spreading<br>Activation and Polaroid Words, <i>Graeme Hirst . . . . .</i>          | 73  |
| 4 | Are Vague Words Ambiguous? <i>Steven L. Lytinen . . . . .</i>                                                                       | 109 |
| 5 | Disambiguation in a Lexically Based Sentence Understanding<br>System, <i>Domenico Parisi and Cristiano Castelfranchi. . . . .</i>   | 129 |
| 6 | An Account of Coherence, Semantic Relations, Metonymy,<br>and Lexical Ambiguity Resolution, <i>Dan Fass . . . . .</i>               | 151 |
| 7 | A Model of Lexical Access of Ambiguous Words,<br><i>Garrison W. Cottrell. . . . .</i>                                               | 179 |
| 8 | Distributed Representations of Ambiguous Words and Their<br>Resolution in a Connectionist Network, <i>Alan H. Kawamoto. . . . .</i> | 195 |
| 9 | Process Synchronization, Lexical Ambiguity Resolution,<br>and Aphasia, <i>Helen Gigley . . . . .</i>                                | 229 |

## **PART II: EMPIRICAL STUDIES**

|                                                                                                                                                                                    |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 10 Implications of Lexical Ambiguity Resolution for Word Recognition and Comprehension, <i>Greg B. Simpson and Curt Burgess</i> . . . . .                                          | 271 |
| 11 Lexical Processing and Ambiguity Resolution:<br>An Autonomous Process in an Interactive Box,<br><i>P. A. Prather and David A. Swinney</i> . . . . .                             | 289 |
| 12 Is Multiple Access an Artifact of Backward Priming?<br><i>Michael K. Tanenhaus, Curt Burgess, and Mark Seidenberg</i> . . . . .                                                 | 311 |
| 13 Sentential Context and Lexical Access, <i>Patrizia Tabossi</i> . . . . .                                                                                                        | 331 |
| 14 The Verb Mutability Effect: Studies of the Combinatorial Semantics of Nouns and Verbs, <i>Dedre Gentner and Ilene M. France</i> . . . . .                                       | 343 |
| 15 (Almost) Never Letting Go: Inference Retention during Text Understanding, <i>Jennifer K. Holbrook, Kurt P. Eiselt, Richard H. Granger, Jr., and Edward H. Matthei</i> . . . . . | 383 |
| 16 Neuropsychology of Lexical Ambiguity Resolution:<br>The Contribution of Divided Visual Field Studies,<br><i>Curt Burgess and Greg B. Simpson</i> . . . . .                      | 411 |
| 17 Tracking the Time Course of Meaning Activation,<br><i>Cyma Van Petten and Marta Kutas</i> . . . . .                                                                             | 431 |
| 18 Cognitive Topology and Lexical Networks,<br><i>Claudia Brugman and George Lakoff</i> . . . . .                                                                                  | 477 |
| <b>Index</b> . . . . .                                                                                                                                                             | 509 |