

# Contents

<i>Introduction</i> Paul Chilton	1
<b>Part I: Perception and space</b>	19
1 <i>The perceptual basis of spatial representation</i> Vyvyan Evans	21
<b>Part II: The interaction between language and spatial cognition</b>	49
2 <i>Language and space: momentary interactions</i> Barbara Landau, Banchiamlack Dessalegn and Ariel Micah Goldberg	51
3 <i>Language and inner space</i> Benjamin Bergen, Carl Polley and Kathryn Wheeler	79
<b>Part III: Typological, psycholinguistic and neurolinguistic approaches to spatial representation</b>	93
4 <i>Inside <b>in</b> and <b>on</b>: typological and psycholinguistic perspectives</i> Michele I. Feist	95
5 <i>Parsing space around objects</i> Laura Carlson	115
6 <i>A neuroscientific perspective on the linguistic encoding of categorical spatial relations</i> David Kemmerer	139
<b>Part IV: Theoretical approaches to spatial representation in language</b>	169
7 <i>Genesis of spatial terms</i> Claude Vandeloise	171
8 <i>Forceful prepositions</i> Joost Zwarts	193
9 <i>From the spatial to the non-spatial: the 'state' lexical concepts of <b>in</b>, <b>on</b> and <b>at</b></i> Vyvyan Evans	215

<b>Part V: Spatial representation in specific languages</b>	249
10 <i>Static topological relations in Basque</i> Iraide Ibarretxe-Antuñano	251
11 <i>Taking the Principled Polysemy Model of spatial particles beyond English: the case of Russian <b>za</b></i> Darya Shakhova and Andrea Tyler	267
12 <i>Frames of reference, effects of motion, and lexical meanings of Japanese front/back terms</i> Kazuko Shinohara and Yoshihiro Matsunaka	293
<b>Part VI: Space in sign-language and gesture</b>	317
13 <i>How spoken language and signed language structure space differently</i> Leonard Talmy	319
14 <i>Geometric and image-schematic patterns in gesture space</i> Irene Mittelberg	351
<b>Part VII: Motion</b>	387
15 <i>Translocation, language and the categorization of experience</i> Jordan Zlatev, Johan Blomberg and Caroline David	389
16 <i>Motion: a conceptual typology</i> Stéphanie Pourcel	419
<b>Part VIII: The relation between space, time and modality</b>	451
17 <i>Space for thinking</i> Daniel Casasanto	453
18 <i>Temporal frames of reference</i> Jörg Zinken	479
19 <i>From mind to grammar: coordinate systems, prepositions, constructions</i> Paul Chilton	499
Index	515