# Contents

<table>
<thead>
<tr>
<th>List of figures</th>
<th>page</th>
<th>ix</th>
</tr>
</thead>
<tbody>
<tr>
<td>List of tables</td>
<td></td>
<td>xi</td>
</tr>
<tr>
<td>List of contributors</td>
<td></td>
<td>xiv</td>
</tr>
<tr>
<td>Preface</td>
<td></td>
<td>xv</td>
</tr>
</tbody>
</table>

1 The background to the study of the language of space 1

**STEPHEN C. LEVINSON AND DAVID P. WILKINS**

1.1 Spatial language and cognition 1
1.2 Nature of this book 2
1.3 The language sample 6
1.4 Controlled comparison: the stimuli 8
1.5 Patterns of variation 15
1.6 Conclusion 22

2 Towards an Arrernte grammar of space 24

**DAVID P. WILKINS**

2.1 The language and its speakers 24
2.2 Brief overview of the main features of Arrernte grammar 25
2.3 Topological relations 29
2.4 Motion 39
2.5 Frames of reference 52
2.6 Conclusion 60

3 Sketch of a Jaminjung grammar of space 63

**EVA SCHULTZE-BERNDT**

3.1 Introduction 63
3.2 The language and its speakers 63
3.3 Grammatical and lexical resources for spatial description 64
3.4 Topological relations 72
3.5 Motion 83
3.6 Frames of reference 103
3.7 Summary 112

4 Prolegomenon to a Warrwa grammar of space 115

**WILLIAM B. MC GREGOR**

4.1 The Warrwa language and its speakers 115
4.2 Overview of Warrwa grammar 117
Contents

9.4 Motion 339
9.5 Frames of reference 350
9.6 Conclusion 358

10 Elements of the grammar of space in Ewe 359
FELIX K. AMEKA AND JAMES ESSEGBEY
10.1 The language and its relevance for spatial language research 359
10.2 Grammatical overview 360
10.3 Topological relations 370
10.4 Frames of reference 382
10.5 Motion 387
10.6 Conclusion 398

11 Spatial language in Tamil 400
ERIC PEDERSON
11.1 Tamil and Tamils 400
11.2 Grammatical sketch 401
11.3 Topological relations 404
11.4 Motion events 415
11.5 Deixis and frames of reference 425
11.6 Conclusions 434

12 A grammar of space in Japanese 437
SOTARO KITA
12.1 Introduction 437
12.2 Very brief grammatical overview of the language 437
12.3 Location 438
12.4 Motion 449
12.5 Contextual factors for the choice of frames of reference 470
12.6 Conclusions 473

13 Some properties of spatial description in Dutch 475
MIRIAM VAN STADEN, MELISSA BOWERMAN AND MARIET VERHELST
13.1 Introduction 475
13.2 Dutch: the language and its speakers 475
13.3 Grammatical background to spatial descriptions in Dutch 477
13.4 Topological relations 485
13.5 Motion descriptions 500
13.6 Conclusion 506
13.7 Discussion 510

14 Patterns in the data: towards a semantic typology of spatial description 512
STEPHEN C. LEVINSON AND DAVID P. WILKINS
14.1 Universals and particulars: variation and its limits in semantic typology 512